



ANNUAL ACHIEVEMENTS REPORT

2022-2024

Office of Pediatric Surgical Evaluation and Innovation



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Welcome Message

OPSEI Academic Achievements Report, 2022 - 2024

Dear Colleagues:

We are very pleased to share with you the OPSEI Annual Achievements Report for the years 2022-2024. In this report, you will see the academic contributions of the Department of Pediatric Surgery members organized by each division and department. This report highlights teaching, research, leadership, and patient advocacy work of our faculty, trainees, and staff.

As you will read, the areas of clinical research are quite diverse in Pediatric Surgery, yet we share one common goal — to improve and advance the surgical care of children in need of high-quality and timely access to surgery. Please join us in celebrating these contributions of our caring and committed pediatric surgical team at BC Children's Hospital.

This past two years has allowed for many new and vital recruitments to the department. These new colleagues bring exciting ideas and new areas of clinical research focus in pediatric surgery. Moreover, we are very proud that we continue to offer worldclass training opportunities across the pediatric surgical subspecialties which attract excellent clinical fellows from around the globe.

We would especially like to honour and acknowledge our undergraduate science and medical students who bring enormous energy and curiosity to our academic mission. Whether the Surgery and Society students serving up healthy breakfasts to children and mothers on the Vancouver Downtown Eastside or observing in the operating room conducting instrument utilization studies, these students have earned a very important place within the research enterprise of our team. Thank you most warmly.

We would like to also extend our sincerest thanks and gratitude to BC Children's Hospital Foundation, BC Children's Hospital Research Institute, and the University of British Columbia for their longstanding and generous support of our academic work.

With your support, we are able to continue research, train a pediatric surgical workforce, and advocate for the surgical care of children in British Columbia, Canada, and globally.

Yours sincerely,

Damian J. Duffy Executive Director, OPSEI BC Children's Hospital University of British Columbia Dr. Erik D. Skarsgard Chief of Pediatric Surgery BC Children's Hospital University of British Columbia









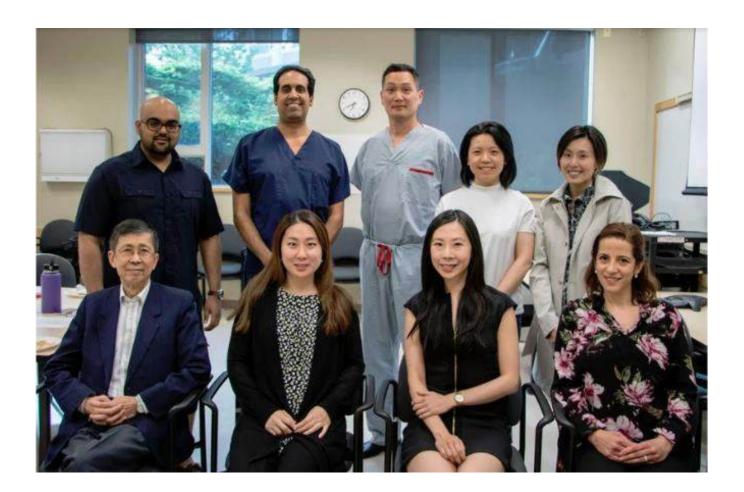
BREAKDOWN OF DONATIONS

Amount Raised Per Year



DIVISION OF PEDIATRIC DENTISTRY

2022-2024



FACULTY: PEDIATRIC DENTISTS



Dr. Jennifer Park Chief of Dentistry Clinical Assistant Professor, UBC



Dr. Serena Kassam Clinical Assistant Professor, UBC & NYU



Dr. Joy Richman
Program Director Graduate
Pediatric Dentistry, UBC
Clinical Professor, UBC



Dr. Pheobe Tsang Clinical Assistant Professor, UBC



Dr. Winnie Zhao Clinical Assistant Professor, UBC



Dr. Amanda Suh Clinical Assistant Professor, UBC



Dr. Kunal Chander Clinical Assistant Professor, UBC



Dr. Amy Bellamy Clinical Assistant Professor, UBC



Dr. Randa Soussou Clinical Assistant Professor, UBC

FACULTY: ORAL MAXILLOFACIAL SURGEONS



Dr. Ray Grewal BCCH Division Head Clinical Assistant Professor, UBC



Dr. Ben Kang Clinical Assistant Professor, UBC



Dr. Jason Choi Clinical Assistant Professor, UBC



Dr. Graham Grabowski Clinical Assistant Professor, UBC



Dr. Chris Olynik Clinical Assistant professor, UBC

FACULTY: ORTHODONTISTS & ENDODONTIST



Dr. Angelina Loo Clinical Associate Professor, UBC



Dr. Dorothy Sonya
Oral Radiologist
Clinical Assistant Professor, UBC



Dr. Travis Gibson Clinical Assistant Professor, UBC



Dr. Paul Helpard Clinical Assistant Professor, UBC



Dr. Ahmed Hieawy, Endodontist
Program Director Graduate Endodontics, UBC
Associate Professor, UBC

STAFF

Certified Dental Assistants (CDA)

Pat Coons (team lead)
Cindy Singh
Benny Orilido-Acosta
Alice Mak
Christy Lam
Nilda Jose
Rechilda Cochrane
Navtejender Sangha
Ramandeep Saran

Clerical

Leah Wilson Debbie Huang Chris Cheng Malinda Person Tina Yu

Kayla Ragosin Miller – Dental Hygienist Charity Champagne – Social Worker Rajanpreet Shinger – Social Worker



Highlights and Achievements

Name	Highlights/Achievements
Dr. Joy Richman	CRC Tier 1 in Craniofacial and dental development (Jan/2023 – Dec/2029)
Dr. Serena Kassam	Bethune Surgical Global Health - Developing a Sustainable NasoAlveolar Molding Program in Outreach Settings: A Ten-year Follow-Up (poster) - Best Abstract winner 2022 (awarded from UBC branch of global surgical care) June 13-16, 2022 (Virtual)
Dr. Angelina Loo	American Association of Orthodontists Humanitarian Award, 2022.
Dr. Phoebe Tsang	BC Dental Association Distinguished Service Award



Teaching Activities

Fellows Supervised

Name	Country of Origin	Dates Supervised
Mandeep Gill	Canada	April - Aug 2022
Michelle Li	Canada	April – Aug 2022
Neeraja Ramadurai	Canada	April 2022 – Aug 2023
Muhammadqays Dewji	Canada	April 2022 – Dec 2023
Kevin Amaniampong	Canada	April 2022-March 2023
Smita Kumar	Canada	April 2022-March 2023
Mayhay Ho	Canada	April 2022-March 2023
Michael Wong	Canada	April 2022-March 2023
Sankriti Amanthamurthy	Canada/India	April 2023-March 2024
Shamira Naik	Canada/India	April 2023-March 2024
Dyar Bikey	Canada	April 2023-March 2024
Atyaf Saleh	Canada	April 2023-March 2024
Sharat Pani	Canada/India	June 2023-March 2024



Residents Supervised

Name	Year	Dates Supervised
D. a. D. alb	Consideration Desired	A: 11 /N A 2022
Ryan Booth	General Practice Resident	April/May 2022
Taylor Ruether	General Practice Resident	May/June 2022
Casi Sutherland	General Practice Resident	Feb/Mar 2023
Danny Kim	General Practice Resident	Mar/April 2023
Kathryn O'Donnell	GPR	April/May 2023
Varada Saha	GPR	May/June 2023
Evan Wynne	GPR	Feb/Mar 2024
Adam Babul	GPR	Mar/April 2024

Students Supervised

Name	Student Type	Dates Supervised
Kevin Amaniampong	MSc, Craniofacial Science	April 2022 – Mar 2023
Smita Kumar	MSc, Craniofacial Science	April 2022 – Mar 2023
Mayhay Ho	MSc, Craniofacial Science	April 2022 – Mar 2023
Sankriti Ananthamurthy	MSc, Craniofacial Science	April 2023 – March 2024
Dyar Bikey	MSc, Craniofacial Science	April 2023 – March 2024

Scholarly & Professional Activities

Presentations/Lectures

Dr. Joy Richman

"Evolutionarily conserved waves of tooth replacement in the gecko are dependent on local signaling."

Tooth Morphogenesis and Differentiation meeting. Prague, Czech Republic, June 26-30, 2022.

"The Secrets of Indefinite Tooth Replacement in a Novel Animal Model – the Gecko. First in-person talk for the cross-department seminar series."

Harvard School of Dental Medicine. April 2022

"Experimental studies on tooth replacement using the leopard gecko as a novel animal model."

Pediatric Dentistry

2022-2024

	International Symposium on Morphological Sciences. Cape Town,
	South Africa, August 8, 2023.
	"Rare disease modeling in the mighty chicken embryo"
	LSI joint seminar series. October 20, 2023
Dr. Angelina Loo	Course Coordinator for the Cleft and Craniofacial Program seminar series for the Graduate Orthodontic and Pediatric dental programs.
	Lecturer at the National Hospital of Odonto-Stomatology Annual
	Congress, HoChiMinh City, Vietnam. Presentations: "Dental Implications in Orofacial Clefting" and "Secondary Alveolar bone Grafting for the Cleft Patient" (2022,2023).
	Speaker at 2nd HO Chi Minh City International Dental exhibition
	and congress on "Orthodontic Considerations in the surgical
	treatment planning of the cleft patient" (2023)
Dr. Phoebe Tsang	Vancouver & District Dental Society. January 2023.
	Pacific Dental Conference. March 2024.
Dr. Travis Gibson	Orthodontic Management of Cleft Lip/Palate.
	MyFace Transforming Lives Webinar Series, October 24, 2023.
	Cleft and Craniofacial Orthodontics for the Community
	Practitioner. BC Society of Orthodoptists, Fobruary 6, 2024
Dr. Serena Kassam	BC Society of Orthodontists, February 6, 2024. 4th International Comprehensive Cleft Care Workshop: Surgical,
Dr. Serena Kassani	Dental, Speech Pathology, Psychosocial, Global Smile Foundation
	Curriculum committee
	"Pediatric Dentistry and the Importance of Oral Health"
	"Pre-Surgical Orthopedics: A Model of Care"
	"World Cleft Coalition- Next Steps"
	Rio de Janeiro, Rio de Janeiro, Brazil, October 11-14, 2022.
	14 th International Cleft Congress
	- Aesthetic Outcomes of Patients With Unilateral Cleft Lip and
	Palate Following NasoAlveolar Molding Therapy in an Outreach (Oral)
	- Developing a Sustainable NasoAlveolar Molding Program in
	Outreach Settings: A Ten year Follow-Up (poster)
	- Perioperative Caries Prevention and Oral Hygiene Instruction

- Implementation of a cleft and craniofacial curriculum in an Advanced Education Program in Pediatric Dentistry (oral)
- World Cleft Coalition (oral)
- Chair: Telehealth Strategies for Augmenting Comprehensive Cleft Care (CoCP)
- "Cleft Without Caries Taskforce"

Edinburgh, Scotland, UK, July 11-15, 2022 (accepted)

The World Cleft Coalition: Creating International Treatment Guidelines (poster)

ACPA (American Cleft Palate- Craniofacial Association) 79th Annual Meeting

- Dental/ Ortho Session Co-Chair
- World Cleft Coalitions (panel) 60 mins
- Education and Taskforce Committee

Fort Worth, TX, USA, March 30-April 2, 2022

4th International Comprehensive Cleft Care Workshop: Surgical, Dental, Speech Pathology, Psychosocial, Global Smile Foundation *Curriculum committee*

"Pediatric Dental Care in the Management of Patients with Cleft"
"NasoAlveolar (NAM) 10 year follow up in an Outreach Setting"
"World Cleft Coalition"

Istanbul, Turkey, October 13-15, 2022

5th International Comprehensive Cleft Care Workshop: Surgical, Dental, Speech Pathology, Psychosocial, Global Smile Foundation Curriculum committee, Lecturer, Moderator "Pediatric Dentistry and the Importance of Oral Health" "Pre- Surgical Orthopedics: A Model of Care" "Global Health – Panel and moderator" Barcelona, Spain, Oct 10-13, 2023

CAPD/AAPD (Canadian Academy of Pediatric Dentistry & American Academy of Pediatric Dentistry) Joint Conference: Embracing Facial Differences by Harnessing the Power of Interdisciplinary Teams "Focus on Function: Nasoalveolar molding, speech-language evaluation and velopharyngeal dysfunction"
"Building an Inclusive Practice: Practical strategies to address the needs of the children in your community" - Panel Montreal, QC, Canada, Sept 21-23, 2023

25th International Conference on Oral and Maxillofacial Surgery "Global Health Panel- Models of Organizations"- representing Global Smile Foundation in conjunction with Operation Smile and World Cleft Coalition

Vancouver, BC, Canada, June 9, 2023

ACPA (American Cleft Palate- Craniofacial Association) 80th Annual Meeting

Pre- Conference symposium: Early Career Boot Camp-Comprehensive Cleft Care

- Curriculum planning
- Pediatric Dentistry and Importance of Oral Health (lecture)
- World Cleft Coalitions (poster) Raleigh, NC, May 1-6, 2023



Grants/Funding Received

Granting Agency	Title	СОМР	\$ Per Year	Year	Principle Investigator	Co-Investigator(s)
CRC Tier 1	Chair in Craniofacial and Dental Development	С	\$200,000	Jan/202 3 to Dec/20 29	Dr. Joy Richman	
John Evans Leadership fund CFI	Multimodal slide scanning for dental research. Zeiss Axioscan slide scanner	С	\$285,000 plus mainten ance	Feb/20 24	Dr. Joy Richman	
NSERC	Reptilian tooth and jaw development	С	\$40,000	April/20 23 to March/ 2028	Dr. Joy Richman	
Australian Research Council		С	\$75,000	2024/2 025	Dr. Alistair Evans (Monash University)	Dr. Joy Richman Dr. Daniel Field (Cambridge)



Committee Participation

Dr. Jennifer Park

BC Dental Association – Dental Advisory Committee

BC Dental Association representative for Pediatric Dentistry in Medical Service Plan negotiations

Severe Oligodontia Funding Initiative (SOFI) - Chair

Community Dental Partners Program (CDPP) - Medical/Dental Lead

Royal College of Dentists of Canada - Examiner

Dr. Phoebe Tsang

MSDPR-BC Dental Association Research Project Steering Committee - Chair

BC Dental Association, Save a Smile Charity Dental Program - Committee Member

BC Dental Association, Member Education Program - Committee Member

University of Fraser Valley Certified Dental Assistant Program - Advisory Board

British Columbia Representative for Western Society of Pediatric Dentistry, USA

Royal College of Dentists of Canada - Examiner

Dr. Ray Grewal

Canadian Dental Association - Member of the Board of Directors

Canadian Association of Oral and Maxillofacial Surgeons – Treasurer

Dr. Angelina Loo

President and founder of the Spring for Kids BC Foundation, fundraising for the needs of children with cleft and craniofacial differences, Beneficiary the BCCH Cleft and Craniofacial Program.

BC Dental Association representative for the Orthodontic Cleft program in Medical Services Plan negotiations.

Dr. Serena Kassam

ACPA (American Cleft Palate- Craniofacial Association) - Education Chair Global Smile Foundation - Director Dental and Pre- Surgical division, Board Member

Publication Records

Dr. Joy Richmand Brink, I

Brink, K. S., Cytrynbaum, E., Grieco, T. M., Henriquez, J. I., Zhitnitsky, A., Richman, J. M., 2022. Evolutionarily conserved waves of tooth replacement in the gecko are dependent on local signaling. First two authors contributed equally. BioRxiv.org. BIORXIV/2022/513312.

Gignac, S. J., MacCharles, K., Fu, K., Bonaparte, K., Akarsu, G., Barrett, T. W., Verheyen, E. and Richman, J. M., 2023. Mechanistic studies in Drosophila and chicken give new insights into functions of DVL1 in

dominant Robinow Syndrome, *First two authors contributed equally. Diseases Models and Mechanisms. 16 (4)

Tophkhane, S.S., Fu, K., Verheyen, E.M. and Richman, J.M. 2024 Craniofacial studies in chicken embryos confirm the pathogenicity of Frizzled2 variants associated with Robinow syndrome. Diseases Models and Mechanisms, very minor revisions.

Tophkhane, S.J. and Richman, J.M. (2024). Tissues and signals with true organizer properties in craniofacial development. Part of a special issue on "Organizers in Development". Current Topics in Developmental Biology, vol. 157, 67-82.

Henriquez, J. I. and Richman, J.M. (2024). Resilience of the replacing dentition in adult reptiles, Developmental Biology, part of special issue on "Development and regeneration of ectodermal organs". Accepted.

Interdisciplinary Cleft Care: Global Perspectives (Plural publishing, Editors:

Hamdan, Rogers-Vizena, Vyas, Sommerlad, and Low. 2022)
 Barry H. Grayson, DDS, Mohammad M. Ahmed, DDS, MS, Serena
 N. Kassam DMD. "Pre-Surgical Dentofacial treatment: Nasoalveolar

 Serena N. Kassam DMD, Mohammad M. Ahmed, DDS, MS, Amr M Moursi, DDS, PhD. "Oral Health and Pediatric Dentistry in the Setting of Cleft Lip/Palate."

Molding (NAM)."

 Gareth Davies BA, Ruben Ayala MD, Pameela Sheeran BA, Erin Steiber, Jamie Perry PhD, Serena N. Kassam DMD, Usama Hamdan MD, FICS"Psychosocial considerations for outreach settings: Patient and Family Community Resources."

Chahine, Elsa MD, Ramly, Elie MD, Marston, Alexander MD, Teng, Sarena MD, Nader, Marie MD, Kassam, Serena; DMD, Kantar, Rami MD, MPH, Hamdan, Usama MD. (2022) "Quality Assurance Standards for Outreach Cleft Lip and Cleft Palate Repair Programs in Low-Resource Settings. Cleft Palate Craniofacial Journal. 60(6), 773–779

Cleft and Craniofacial Orthodontics (Wiley publishing, Editors: Shetye and Gibson. 2023)

Serena N. Kassam DMD., Mohammad M Ahmed, DDS, MS, Linda Rosenberg DDS. "Pediatric Dentistry in Patients with Cleft."
 Kantar, R. S., Esenlik, E., Al Abyad, O. S., Melhem, A., Younan, R. A., Haddad, M., Keith, K., Kassam, S., Annan, B., Vijayakumar, C., Picard, A., Padwa, B. L., Sommerlad, B., Raposo-Amaral, C. E., Forrest, C. R., Gillett, D. A., Steinbacher, D. M., Runyan, C. M., Tanikawa, D., Chong, D. K., ... Hamdan, U. S. (2023). "The First Hybrid International Educational Comprehensive Cleft Care Workshop." The Cleft palatecraniofacial journal.

Dr. Serena Kassam

OPSEI Annual Report

Dr. Phoebe Tsang

Tsang P, Ng S & Peng, J HPV-Associated Oral Epithelial Lesions: What Dentists Should Know, BCDA The Bridge, 2023.

Dr. Travis Gibson

Contributions to textbook:

- Shetye PR, Gibson TL (Ed). In Cleft and Craniofacial Orthodontics. John Wiley & Sons; Hoboken, USA. 2023. ISBN: 978-1-119-77834-9.
- Gibson TL, Shetye PR. Craniofacial team concept and the role of a craniofacial team. In Cleft and Craniofacial Orthodontics, edited by Shetye PR and Gibson TL; pp 8-17. John Wiley & Sons; Hoboken, USA. 2023.
- Gibson TL, Grayson BH. Evolution of craniofacial orthodontics as a subspecialty. In Cleft and Craniofacial Orthodontics, edited by Shetye PR and Gibson TL; pp 18-26. John Wiley & Sons; Hoboken, USA. 2023.
- Shetye PR, Gibson TL. Introduction to the clinical provision of nasoalveolar molding. In Cleft and Craniofacial Orthodontics, edited by Shetye PR and Gibson TL; pp 101-118. John Wiley & Sons; Hoboken, USA. 2023.
- Shetye PR, Gibson TL. Nasoalveolar molding in unilateral cleft lip and palate. In Cleft and Craniofacial Orthodontics, edited by Shetye PR and Gibson TL; pp 119-133. John Wiley & Sons; Hoboken, USA. 2023.
- Shetye PR, Gibson TL. Nasoalveolar molding in bilateral cleft lip and palate. In Cleft and Craniofacial Orthodontics, edited by Shetye PR and Gibson TL; pp 134-148. John Wiley & Sons; Hoboken, USA. 2023.
- Shetye PR, Gibson TL. Evaluation of patients with clefts for orthognathic surgery. In Cleft and Craniofacial Orthodontics, edited by Shetye PR and Gibson TL; pp 463-474. John Wiley & Sons; Hoboken, USA. 2023.
- Fisher E, Gibson TL, Loock C. Access issues and burden of care in patients with orofacial clefting. In Cleft and Craniofacial Orthodontics, edited by Shetye PR and Gibson TL; pp 630-637.
 John Wiley & Sons; Hoboken, USA. 2023.
- Shetye PR, Gibson TL. Orthodontic management in cleidocranial dysplasia. In Cleft and Craniofacial Orthodontics, edited by Shetye PR and Gibson TL; pp 690-701. John Wiley & Sons; Hoboken, USA. 2023.

Publications:

- Wells-Durand E, Buchel A, Bucevska M, Tuen YJ, Thompson R, Staples J, Gibson TL, Loo AYC, McClung B, Palm S, Arneja JA. What does cleft lip and palate care cost? The burden of care from birth to maturity. Plastic Surgery. 2023. Online ahead of print.
- Gibson TL, Grayson BH, Cutting CB, Shetye PR. Prevalence of Dental Anomalies in Patients with Unilateral Cleft Lip and Alveolus Treated with Gingivoperiosteoplasty. The Cleft Palate-Craniofacial Journal. 2022; 59(8):1017-1023.

Initiatives in Progress

Name Initiative

Dr. Angelina LooNasal symmetry following presurgical nasoalveolar moulding in cleft newborns - a

3D stereophotogrammetric comparison of newborns treated over a 10 year period

(2012-2022)

Family satisfaction associated with pre-surgical treatment of infants with cleft lip

and palate: a randomized study

Dr. Jennifer Park QI/QA project: What is the level of caregivers' satisfaction with the quality of dental

Dr. Joy Richman care of children with autism at BCCH?

Dr. Atyaf Saleh

(fellow)

Dr. Travis Gibson Physician Quality Improvement Program: Optimizing Intraoral Impression Scheduling

for Cleft Infants at BCCH.

Dr. Ahmed Hieawy Physician Quality Improvement Program: Assessing treatment consents utilized for

pediatric patients requiring endodontic services at BCCH.



Other Items

Name Initiative

Dr. Joy RichmanDr. Phoebe TsangBrighter Smiles Outreach Trip to provide dental care for indigenous children.Kitkatla, Dolphin Island, BC. April 2022; Oct 2022

Dr. Joy Richman Brighter Smiles Outreach Trip to provide dental care for indigenous children.

Kitkatla, Dolphin Island, BC. May 2023.

Dr. Serena Kassam Global Foundation Group Presentations

- Comprehensive Cleft Care Delivery in Developing Countries: Impact of Geographic and Demographic Factors

- Simulation-Based Comprehensive Cleft Care Workshops: AReproducible Model for Sustainable Education

- The First Hybrid International Educational Simulation-Based Comprehensive Cleft Care Workshop (poster)

Sustainable Cleft Care: A Comprehensive Model Based on the Global Smile

Foundation Experience (poster)

Dr. Serena Kassam Journal Reviewer:

Journal of Dentistry for Children (associated with American Academy of Pediatric

Dentistry)



DEPARTMENT OF PEDIATRIC OPHTHALMOLOGY

2022-2024



FACULTY MEMBERS (ON-SITE)



Dr. Maryam Aroichane Clinical Associate Professor



Dr. Jane Gardiner Department Head Clinical Professor



Dr. Christopher Lyons Professor



Dr. Conor Mulholland Clinical Assistant Professor

Faculty Members (Off-site)

David Albiani Clinical Assistant Professor, Division Head Retina

T. A. Demco Clinical Associate Professor

Peter Dolman Clinical Professor & Division Head Oculoplastics & Orbit

Kevin Gregory-Evans Professor

Deborah Giaschi Professor, Scientific and Research

Harald Gjerde Clinical Instructor

Alfonso Iovieno Clinical Associate Professor, Consulting

Ross Kennedy Clinical Assistant Professor
Femida Kherani Clinical Assistant Professor

Andrew Kirker Clinical Assistant Professor, Consulting

Ashley Ko Clinical Instructor

Patrick Ma Clinical Assistant Professor

David Maberley Professor

Paul Mackenzie Clinical Associate Professor, Consulting

Zaid Mammo Clinical Assistant Professor

Andrew Merkur Clinical Assistant Professor, Consulting Eduardo Navajas Clinical Assistant Professor, Consulting

Hugh Parsons Clinical Professor, Consulting

Katherine Paton Professor

Megan ReesClinical Associate ProfessorDavid RossmanClinical Assistant ProfessorSonia YeungAssociate Professor, ConsultingVivian YinClinical Associate Professor

Staff

Joan BaldosAdministrative SecretaryAnna ChenAdministrative SecretaryChloe Rose CormierRegistration Booking Clerk

Dioselyn Gelizon Clinic Aide

Christy GiligsonSenior Teaching OrthoptistChloe GreggAdministrative Coordinator

Grace Harradine Orthoptist
Alecia Howlett Orthoptist

Harsheel Harsheel Registration Booking Clerk
Brenda Jew Registration-Reception

Teresa Jolicoeur

Mathew Kirby Ocular Electrophysiology Technician

Daniela Lombardi Orthoptist

Minna Mckenzie Registration Clerk

Jenelle Merkley Administrative Secretary

Linn Moore Ocular Electrophysiology Technician

Vaishali Mehta Orthoptist
Andrea Quan Orthoptist
Belva See Orthoptist

Natalie Wong Registration Booking Clerk

Debbie Zylich Orthoptist



Highlights and Achievements

Name	Highlights/Achievements
Peter Dolman	Member of ATA/ETA Consensus Statement on Management of Thyroid Eye
	Disease
Peter Dolman	UBC Departmental Clinical Research Award
Peter Dolman	Singapore National Eye Institute Saving Eyesight Scholarship Lecturer 2023
Peter Dolman	Visiting Dr Sherif El-Defrawy Lecture, Rosen Symposium, Queen's University, Kingston CANADA
Jane A Gardiner	2022 UBC Clinical Faculty Award for Excellence in Clinical Teaching
Harald Gjerde	American Board of Ophthalmology Board Certification (Oct 2022)
Femida Kherani	Director- Orbis Canada Board of Directors
Femida Kherani	Board of Directors- Women in Ophthalmology
Femida Kherani	Healio-VLOG
Christopher John Lyons	UBC Department of Ophthalmology and Visual Sciences. Best Clinical Teacher award 2023 (Voted by Residents)
Sonia N. Yeung	UBC Distinguished Achievement Award for Overall Excellence (Faculty of Medicine, UBC)
Sonia N. Yeung	Associate Professor (Grant Tenure), UBC Dept O&VS
Hugh Parsons	 Developing ophthalmology residency training in Mongolia: Curriculum implemented, selection criteria for residents established, wet lab established, clinical teaching tool/diagnosticsOCT, FA, examination equipment, operating room improvements, teaching, Trained a vitreo-retina specialist and wet lab experience acquired. Establishing eye screening program for remote areas of Mongolia Teaching program at Ulaan Baatar Children's hospital for retinal surgery (Dr P Ma) Established observership program at UBC through the International Congress of Ophthalmology
Hugh Parsons	Vision Excellence Award from the International Agency for the Prevention of Blindness
Hugh Parsons	On September 26, 2023, the Minister for Foreign Affairs, B. Battsetseg, presented Dr. Parsons with the prestigious "Order of Polar Star", the highest state award of Mongolia, recognizing his exceptional contributions to the training of Mongolian ophthalmologists and specialists. This distinguished honor was conferred by Presidential Decree, highlighting Dr. Parsons' significant impact on the healthcare landscape in Mongolia.

Teaching Activities

Fellows Supervised

Name		

Kirk AJ Stephenson (Retina) Shanil R Dhanji (Retina) Tiki Ewing-Smith (Pediatrics) Natalia Correa-Vengas (Pediatrics) Dayra Hernandez-Marrero (Pediatrics) Radwan Junaidi (Pediatrics) Barbara Burgos-Blasco (Cornea) Sara Al-Zanki (Cornea) Licia Tan (Oculoplastic) Bryon McKay (Retina) Ebony Smith (Oculoplastics) Teresa Murphy (Pediatrics) Abdul-Raheem Abushanab (Pediatrics) Nicolas Kahuam-Lopez (Cornea) Niraj Mandal (Cornea) Muhammad Amir Bin Ismail (Cornea)

Country of Origin

Ireland July 2022-June 2023 Australia July 2023 - June 2024 Australia July 2023 to June 2024 Columbia July 2023 to June 2024 July 2022 to June 2023 Spain Palestinian State July 2022 to June 2023 Spain 2023-2024 Kuwait 2023-2024 Singapore Jul 2023- Jun 2024 Canada April 2022- June 2022 Australia April -Dec 2022 Ireland July 2021 to June 2022 Palestinian State July 2021 to June 2022 Mexico 2022-2023 **United Kingdom** 2021-2023

Dates Supervised

2022-2023



Singapore

Residents Supervised

Name	PGY	Dates Supervised
Steven Bae	PGY4/ PGY5	July 1, 2020 - June 30, 2024
Mahadev Bhalla	PGY2/PGY3	July 1, 2021 – June 30, 2024
Henry Chen	PGY5	July 1, 2019 - June 30, 2022
Natalie Doughty	PGY5	July 31, 2023- August 11, 2023
Maryam Eslami	PGY5	July 1, 2019 - June 30, 2023
Anastasia Faggioni	PGY2/PGY3	July 1, 2021 – June 30, 2024
Britta Gustavson	PGY1/PGY2	July 1, 2022-June 30, 2024
Lauren Hughes	PGY1/PGY2	July 1, 2021 – June 30, 2024
Amar Khiara	PGY1	July 1, 2022-June 30, 2023
Haaris Khaan	PGY1	July 1, 2023- June 30, 2024
Amar Khiara	PGY1	July 1, 2023-June 30, 2024
Dongho Lee	PGY4/PGY5	July 1, 2020 - June 30, 2024
Carter Lim	PGY2/PGY3	July 1, 2021 – June 30, 2024
Jennifer Ling	PGY1/PGY2	July 1, 2021 – June 30, 2024
Cameron Oliver	PGY4/PGY5	July 1, 2020 - June 30, 2024
Rob Pintwala	PGY5	July 1, 2019 - June 30, 2023
Lauren Sawatzky	PGY5	July 1, 2019 - June 30, 2022
Grace Qiao	PGY5	July 1, 2019 - June 30, 2022
Amanda Schlenker	PGY5	July 1, 2019 - June 30, 2023
Maheshver Shunmugam	PGY1	July 1, 2023 - June 30, 20224
Carol Tadrus	PGY5	July 1, 2019 - June 30, 2022
Sabrina Yu	PGY2	July 1, 2022-June 30, 2024
Shawn Yuan	PGY1	July 1, 2023- June 30, 2024

Students Supervised

Name	Student Type	Dates Supervised
Mahraz Parvand	MD	Two Week Elective September 25 to October 6, 2023
Natalie Doughty	MD	
Ajay Grewal	MD	Two Week Elective October 10 to 21, 2022
Michael Kryshtalskyj	MD	
Stuti Misty Tanya	MD	
Mary Zhao	MD	Two Week Elective November 7 to 18 th , 2022
Undergraduate Medical	MD	Daily teaching of clerkship medical students from
Student Teaching. Year		UBC's Faculty of Medicine program.
3 Clerkship Students		

Dr. Deborah Giaschi – Visual Neuroscience Lab Students

Name	Student Type	Dates Supervised
Akosua Asare	PhD	Sept 2020 - current
Zahra Kheradmandsaadi	PhD	Sept 2020-current
Alexander Cook	PhD	Sept 2021-current
Eddie Kim	BSc	Sept 2022-current
Constance Fung	BSc	Sept 2022-Aug 2023
April Hwang	BSc	May 2022 – Apr 2023

Name Please Specify

Harald Gjerde MEDD 412 Foundations of Medical Practice II: Small Group Session – Clinical

Skills- March 21, 2024

Harald Gjerde MEDD 412 Foundations of Medical Practice II: Small Group Session – Clinical

Skills-January 25, 2024

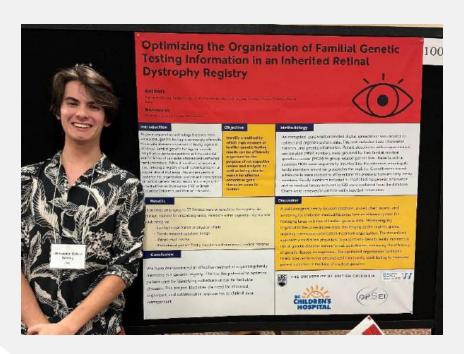
Harald Gjerde Resident/Fellow Teaching Lectures x3 -2022-2024

Harald Gjerde MEDD 412 Foundations of Medical Practice II: Small Group Session – Clinical

Skills- March 21, 2023

Patrick E. Ma Residents Teaching Program Mongolia. 28 Residents total to date

Hugh Parsons Residents Teaching Program Mongolia. 28 Residents total to date



Scholarly & Professional Activities

Dr. Peter Dolman

Thyroid orbitopathy assessment and Management, Columbia University Basic Teaching Course, USA, Mar 2022

Management of post enucleation socket syndrome, Asia Pacific Society of Oculoplastics and Reconstructive Surgery, INDONESIA, Apr 2022

The Value of CAS in TED, Chicago USA AAO, Sep 2022

New Therapies in TED, Seoul, KOREA, Nov 2022

Best methods for functional epiphora, Asia Pacific Academy of Ophthalmologists, Kuala Lumpur, MALAYSIA, Feb 2023

Chairman and Organizer, APAO, Kuala Lumpur, MALAYSIA, Feb 2023

Updates in Clinical Assessment of TED, Pan American AO, Buenos Aires, ARGENTINA, Mar23

Visiting Professor, 4 lectures, Rosen Symposium, Kingston CANADA Apr 2023

Singapore Saving Eyesight Lectureship Scholarship, Visiting Professor, 10 lectures, SINGAPORE May 2023

European Society of Oculoplastic and Reconstructive Surgeons, Naples ITALY Sep 2023

AAO ITEDS Teaching Course, San Francisco, USA Nov 2023

All India Ophthalmologic Society, Zoom Conference, Imaging in TED, Jan 2024, INDIA

Asia Pacific Ophthalmic Society: Session Coordinator and Invited speaker, Endonasal DCR, Bali INDONESIA, Feb 2024

Dr. Jane A Gardiner

Reach Community Health Centre, Slit Lamp Teaching - "Hands On", Nov 24, 2022

Reach Community Health Centre Rounds, Pediatric Eye Exam for Primary Care, October 26, 2022

UBC Dept of Ophthalmology Grand Rounds Inclusivity in the Learning Environment (with Erica Amari) September 16, 2022

University of Toronto, Hospital For Sick Children, Jack Crawford Day, "Laser After Avastin Debate, In Favour", April 22, 2022

Royal College of Physicians and Surgeons of Canada Fellowship examiner ophthalmology 2007-Present

Royal College Ophthalmology Exam Executive Committee

BCCH, Neonatology Fellows and Staff, Update on Retinopathy of Prematurity March 14, 2024

BCCH, Emergency Medicine Fellows and Residents, Ocular Emergencies January 11, 2024

Pediatric Aortopathy Connection Day BCCH, The Eye in Aortopathies, September 23, 2023

Vancouver Pediatric Ophthalmology Meeting

Invited Speaker, "Escalating Treatment in JIA related Uveitis", September 9, 2023

20th Annual Pediatric Emergency Medicine Update Approach to Ocular Emergency in ER, May 5, 2023

Dr. Deborah Giaschi

Insights from visual neuroscience on developmental dyslexia. Research Centre for SHARP Vision of The Hong Kong Polytechnic University, Zoom, March 2023

What we can learn about visual processing by studying developmental disorders. UBC Research Excellence Cluster in Vision, Zoom, December 2022

Mestre C, Neupane S, Bonnen K, Giaschi D, Wilcox LM, Candy TR. (2022) The effect of anisometropia on reflex vergence movement. Investigative Ophthalmology & Visual Science 63(7):2776. Association for Research in Vision and Ophthalmology poster presentation

Asare A, Meier K, Chang EC, Mulholland C, Lyons C, Wilcox L, Giaschi D. (2022) Coarse stereopsis prior to strabismus surgery is associated with post-surgical ocular alignment in children. Investigative Ophthalmology & Visual Science 63(7):3668. Association for Research in Vision and Ophthalmology poster presentation

Asare A, Chem N, Im HY, Giaschi D. (2022) Neural correlates of the motion-defined form deficit in the fellow eye of adults with amblyopia. Organization for Human Brain Mapping poster presentation

Kheradmandsaadi Z, Im HY, Partanen M, Siegel S, Giaschi D. (2022) Resting-state functional connectivity of language and dorsal visual regions in child poor readers. Organization for Human Brain Mapping poster presentation

Cook A, Aziz M, Zafar A, Giaschi D, Im HY. (2022) Visuomotor learning in children: a behavioural paradigm for pediatric neuroimaging research. Brain, Behaviour & Development Theme Research Day poster presentation

Kheradmandsaadi Z, Im HY, Partanen M, Giaschi D. (2022) Altered short- and long-range cortical functional connectivity in developmental dyslexia. Brain, Behaviour & Development Theme Research Day poster presentation

Asare A, Ho C, Im HY, Giaschi D. (2022) Assessing the efficacy of a binocular video game-based treatment for amblyopia. Brain, Behaviour & Development Theme Research Day poster presentation

Im HY, Kheradmandsaadi Z, Asare A, Giaschi D. (2023) Mapping whole-brain functional connectomes in amblyopia and dyslexia using resting-state fMRI. Organization for Human Brain Mapping poster presentation

Kim E, Kheradmandsaadi Z, Im HY, Giaschi D. (2024) A machine learning approach to classifying amblyopia and dyslexia based on functional connectivity patterns. Neuroscience Undergraduate Research Conference poster presentation

Dr. Harald Gjerde

Fraser Northwest Division of Family Practice (July 2023)- Ask the Expert Series Lecture-Ophthalmology

Ophthalmology for Emergency Physicians: A Seminar and Skills Course (Nov 2023) Canthotomy/Cantholysis

Fort St. John outreach clinic and OR (January 2023 and November 2023)

Dr. Christopher Lyons

FRCSC examiner, Neuro-ophthalmology, 2022

Associate Editor, Journal of the American Association for Pediatric Ophthalmology and Strabismus. (2017-present)

UCSF `Creig Hoyt Festschrift Day' June 2022: Inferior Oblique: Compliant wimp or under-estimated friend

UBC/UW/OHSU `Gained in Translation conference' Seattle November 2022

UCSF 'Creig Hoyt Festschrift Day' June 2022

UBC/BCSEPS Spring Clinical Day May 2022

Entretiens Ophtalmologiques de l'Université de Montréal (EOUM) Montréal May 2022

UBC Ophthalmology and Visual Sciences Research Day, April, 2022

American Association For Pediatric Ophthalmology and Strabismus (AAPOS) San Diego USA March 2023

Course organizer and chairman, program committee. UBC Vancouver Pediatric Ophthalmology and Strabismus conference 2023. UBC Robson Square

Session Chair, UBC Vancouver Pediatric Ophthalmology and Strabismus conference, 2023

Oxford Ophthalmological Congress, Oxford UK. July 2023

American Association for Pediatric Ophthalmology and Strabismus annual Conference: New York USA. 2023

Is inferior oblique myectomy sufficient to deal with downgaze incomitance of unilateral Superior Oblique Palsy?

Murphy T, Armarnik S, Lyons CJ. Poster Presentation

Pediatric Ophthalmology

2022-2024

UBC Department of ophthalmology and Visual Sciences Grand Rounds March 2024: Surgical Innovation in Glaucoma Surgery

UBC Department of Ophthalmology and visual Sciences Academic Half Day: 'congenital malformations in pediatric anterior segment surgery'

Grand Rounds March 2024: Surgical Innovation in Glaucoma Surgery

Invited Guest Lecturer UK Pediatric Glaucoma Society: Noel Rice Lecture 'On the shoulders of giants' a journey of recognition in pediatric glaucoma surgery

Dr. Femida Kherani

2023 American Academy of Ophthalmology: Women Leaders Panel

2023 American Academy of Ophthalmology: Lotions Potions Course Periocular Reconstruction Course & Lab

2023 WIO Summer Symposium: Innovations in Oculoplastic Surgery

2023 Vegas Cosmetic Surgery: Lower Eyelid Blepharoplasty

2023 ASOPRS Spring Meeting; Panel Moderator

2023 Hawaiian Eye Meeting: Oculoplastics Session

2022 WIO Summer Symposium; Oculoplastics Session Non invasive Rejuvenation

2022 Western Canadian Retina Retreat: Trauma Case Presentation

2022 American Academy of Ophthalmology: Lotions Potions

2022 American Academy of Ophthalmology: Periocular Reconstruction - Flaps/Grafts

2022 Hawaiian Eye Meeting: Oculoplastics Session

2023 American Academy of Ophthalmology: Women Leaders in Eye Health Panel

2023 American Academy of Ophthalmology: Lotions Potions Course

2023 American Academy of Ophthalmology: Periocular Rejuvenation Course & Lab

2023 WIO Summer Symposium: Innovations in Oculoplastic Surgery

2023 Vegas Cosmetic Surgery: Blepharoplasty

2023 ASOPRS Spring Meeting: Panel Moderator

Dr. Patrick E Ma

Western Canada Retina Retreat Oct 28-29, 2022 Vancouver, BC: "Useful OCT-A"

UBC's Ophthalmology for Emergency Physicians Seminar (UBC Eye Care Centre) Nov 17, 2023: Retinal Pathology

Dr. Conor Mulholland

Speaker All Ireland Pediatric Ophthalmology and Strabismus Meeting 16th Sept 2022 – Pediatric Orbital Tumors

Organizer & Speaker Biennial Pediatric Ophthalmology and Strabismus Meeting 2023 - Thyroid Eye Disease

Dr. Katherine Paton

Western Canada Retina Retreat – Vancouver, October 29, 2022 Chasing a Diagnosis, Chasing a Cure?

2022 West Coast Conference on Ageing – April 1 & 2, 2022

International Society of Ocular Oncology – Leiden, June 17-21, 2022 Unique case of discordant phenotype-genotype analysis in RB: Additional factors at play?

International Society of Ocular Oncology – Leiden, June 17-21, 2022 Regression of retinal astrocytic hamartoma on Everolimus (42-O-rapamycin) with anatomic restoration

11th Ocular Oncology Day – Siena, Italy December 7-9, 2023 Ethics, medicine, organizations & ocular oncology: how is this relevant to you in 2023?

2023 BC Cancer Skin Tumour Group Retreat – Friday January 20, 2023 Mucosal Melanoma and other Rare Subtypes Session: What is conjunctival melanoma?

2023 CSORN Symposium, Canadian Ophthalmological Society Meeting, June 17, 2023 Care of Patients with Dementia and Alzheimer's Disease (in the ophthalmology OR)

2023 West Coast Conference on Ageing – April 21 & 22, 2023 Panel: Reimagining Health Care for Seniors

Canadian Ophthalmologic Society - COPS 2023, June 15, 2023 Not exactly what it seems...

International Society of Ocular Oncology – ISOO Virtual, January 6-7, 2024 Ethics, medicine, organizations & ocular oncology: how is this relevant to you in 2024?

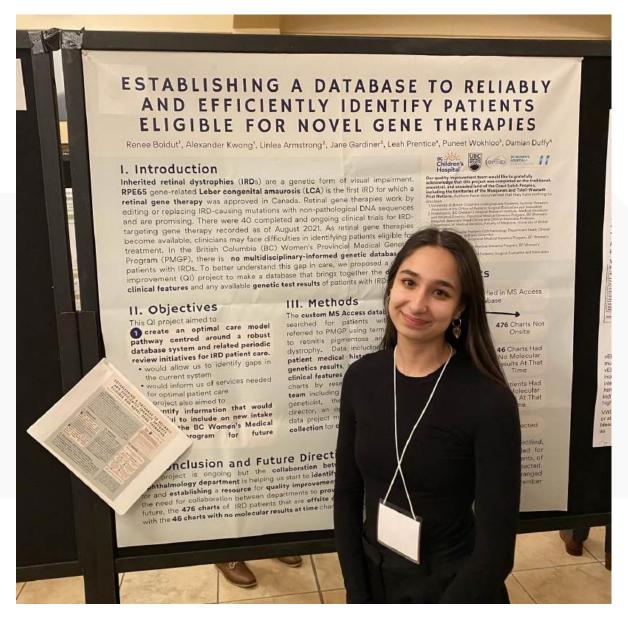
Dr. Vivian Yan

EyeCan Season 2, Episode 11-Global Ophthalmology

Dr. Sonia N Yeung

Cataract surgery in the setting of corneal disease. BC Doctor of Optometry Annual Meeting. Vancouver, BC. (Invited)

- 2023. Cataract Surgery in Irregular Corneas: Case Illustrations and Pearls. UBC Dept of Ophthalmology Grand Rounds. Vancouver, BC.
- 2023. SLK: the art of hiding in plain sight. B.C. Society of Eye Physicians and Surgeons Annual Meeting. Vancouver, B.C (Invited)
- 2023. Cataract surgery pearls and pitfalls. Mount St Joseph Nurses Education Day. Vancouver B.C. (Invited)
- 2022. SLK: The art of hiding in plain sight. Journees Ophtalmologiques Universitaires de Quebec, Quebec City, QC. (Invited)
- 2022. IOL Calculations in 2022 (KEYNOTE). Journees Ophtalmologiques Universitaires de Quebec, Quebec City, QC. (Invited)



Grants/Funding Received

Granting Agency	Title	СОМР	\$ Per Year	Year	Principle Investigator	Co-Investigator(s)
Vasaragen Pharmaceutical	Batoclimab trial	NC	\$30000	2022	P Dolman	
Sling Therapeutics	LIDS Trial	NC	\$30000	2023	P Dolman	
NSERC	Brain mechanisms underlying human motion perception	С	\$39,000	2017- 2023	Giaschi	
Canada First Research Excellence Fund	The role of coarse stereopsis in amblyopia treatment outcomes	С	\$25,000	2019- 2023	L. Wilcox	Giaschi
Brain, Behavior & Development (BB&D) Catalyst grant (BCCHR)	Visuomotor learning in children with amblyopia: Brain dynamics in action and at rest	С	\$20,000	2022- 2023	H. Y. Im	Giaschi
BB&D Trainee Boost Award (BCCHR)	Visual processing, memory and reasoning in children with dyslexia	С	\$5,000	2022- 2023	Giaschi	H. Y. Im Z. Kheradmandsaadi
Kickstart grant (UBC, Djavad Mowafaghian Centre for Brain Research)	Combining MEG and fMRI for multimodal functional neuroimaging in pediatric brain research	С	\$20,000	2022- 2023	H. Y. Im	D. Giaschi D. Palombo R. Todd
Health Innovation Funding Investment (HIFI) award (UBC)	Catalyzing multimodal magnetoencephalogr aphy (MEG) research on children's brain health and development	С	\$25,000	2022- 2023	H. Y. Im	L. Emberson R. Feldman D. Giaschi A. Herdman T. Vanderwal J. Werker
Grants For Catalyzing Research Clusters (UBC)	Vision Research: From Molecules to Behavior to Society	С	\$50,000	2022- 2024	J. Matsubara	D. Giaschi O. Moritz M. Spering S. Yeung
NSERC	Motion processing and binocular vision in the developing human brain	С	\$51,000	2023- 2028	D. Giaschi	

Kickstart grant (UBC, Djavad Mowafaghian Centre for Brain Research)	New magnetic resonance approaches to understanding developmental visual disorders	С	\$40,000	2023- 2024	D. Giaschi	A. Weber T. Vanderwal H.Y. Im M. Spering
BB&D Trainee Boost Award (BCCHR)	Neural Correlates of Attentive Tracking in Children with Amblyopia	С	\$5,000	12/23	D. Giaschi	H. Y. Im A. Cook
BCCHR Dragon's Den Competition	Straight from the heart: Effects of music listening on heart rate variability in youth with and without psychiatric disorders	С	\$1,000	12/23	T. Vanderwal	T. Gaertner Z. Kheradmandsaadi D. Giaschi
UBC Health Innovation Funding Investment Award	Automated detection of Alzheimer's Disease from retinal fundus images using deep learning	COMP	\$25,000	2022	Ipek Oruk	Sonia Yeung
UBC Collaborative Research Mobility Award	Ocular surface microbiome	COMP	\$5000 for 1 year	2022	Sepideh Pakpour	Sonia Yeung, Alfonso Iovieno
CIHR	Multiphoton photo- thermolysis based therapy	COMP	\$711,451 over 4 years	2019- 2023	Haishan Zeng	Sonia Yeung, Harvey Lui, Joanne Matsubara
DMCBH Kickstart Grant	Automated detection of Alzheimer's Disease from retinal fundus images using deep learning	COMP	\$30,000 for 1 year	2021- 2022	Ipek Oruk	Sonia Yeung
UBC Health Innovation Funding Investment Award	Identification of a conjunctival-gut microbiome axis in age-related dry eye diseases	COMP	\$25,000	2023	Sepideh Pakpour	Sonia Yeung
VCHRI Innovation & Translational Research Award	Preclinical studies for translation of novel drug for eye diseases	COMP	\$75,000 over 2 years	2023	Joanne Matsubara	Sonia Yeung

^{*}Indicate under COMP whether grants were obtained competitively (C) or non-competitively (NC)

Committee Participation

Dr. Peter Dolman

UBC Ophthalmology Residency Training Committee

UBC Ophthalmology Fellowship Committee

VGH Departmental Advisory

UBC Departmental Advisory

BC Promotions Committee

VCH Interim Department Head

VCH Oculoplastics Division Head

Dr. Jane Gardiner

Co-medical Director, Downtown Eastside Eye Clinic

UBC Clinical Faculty Awards Adjudication Panel 2023

UBC Faculty of Medicine, Undergraduate Medical Executive Committee (UGMEC), June 2018-present

UBC Ophthalmology and Vision Science, Executive Committee 2016-present

Residency Training Committee Member 2014 -present

UBC Faculty of Medicine Undergraduate Director for Ophthalmology and Vision Science, 2010 - present

BC Society of Eye Physicians and Surgeons,

Economics Committee 2020-present

Dr. Deborah Giaschi

Faculty Appointments, Re-appointments, Promotion, Tenure committee, UBC Faculty of Medicine, member

NSERC Undergraduate Student Research Awards, UBC Faculty of Medicine, coordinator

UBC High Field MRI Centre Protocol Review committee, member

BC Children's Hospital MRI Research Facility Protocol Review committee, member

UBC Ophthalmology Executive Advisory Committee, member

Residency Training Committee, UBC Ophthalmology, member

Resident Competence Committee, UBC Ophthalmology, member

Faculty Recognition Committee, UBC Psychology, member

Curriculum committee, UBC Psychology, co-chair

UBC Research Excellence Cluster in Vision Advisory committee, member

Head Joint Appointment committee, UBC Ophthalmology/SPPH, 1st reviewer

Faculty Search committee, UBC Psychology (Cog Sci area), member

Merit review, UBC Ophthalmology, member

Dr. Harald Gjerde

Canadian Orthoptic Council- Professional Practice Committee, Chair (July 2022 – Present)
UBC Dept of Ophthalmology- Residency Competence Committee (July 2023 – Present)

Dr. Femida Kherani

Canadian Ophthalmological Society: Equity, Diversity, Inclusion

American Academy of Ophthalmology: Council 2022

Burnaby Hospital: Minor OR Committee

Women In Ophthalmology USA: Education Committee & International Committee

American Society of Oculofacial Plastic Surgery: International Committee

Dr. Patrick Ma

Vancouver Coastal Health: Credentials Committee

Dr. Christopher Lyons

Head (Interim), UBC Department of Ophthalmology and Visual Sciences: April 2021-December 2022 Fellowship Director, UBC Pediatric Ophthalmology and Strabismus Fellowship: 1993-Present Chair, Promotion Committee. Applying for the appointment of Dr Neeru Gupta, Ophthalmology Department Chairman, to the rank of Professor with Tenure at the University of British Columbia Fund-raising to create an endowment in perpetuity in honour of Dr Duncan Anderson, to fund a UBC Fellowship in Neuro-Ophthalmology. Thanks to the generous donations of ex-students, residents and colleagues, and with matching from VGH Foundation, we reached the \$500,000 target.

Dr. Katherine Paton

VH Department of Ophthalmology & Visual Sciences Staff Wellness Committee - chair

VH Department of Ophthalmology Executive

BC Cancer Tumour Group Chairs' Council

UBC Department of Ophthalmology Faculty Retreat and Reengagement, part of Postgrad Review and

Renewal - concluded June 2023

Canadian Retinoblastoma Research Advisory Board

Canadian National Retinoblastoma Tumour Board & study club - chair

VH Comprehensive Ophthalmology Search Committee – Spring/Summer 2023

Dr. Sonia N Yeung

Member, Health Authority Medical Advisory Committee, VCH

Member, Health Authority Medical Advisory Committee Quality Subcommittee, VCH

Chair, Technical Subcommittee on Ocular Tissues, Canadian Standards Association

Member, Transplant Technical Committee, Canadian Standards Association

Co-Chair (Cataract), Canadian Ophthalmological Society Annual Meeting

Advisory Committee, The Vision Research Cluster: From molecules to behavior to society, Dept O&VS

Strategic Working Group, The Vision Research Cluster: From molecules to behavior to society, Dept O&VS

Member, Eye and Tissue Advisory Committee (ETAC), Canadian Blood Services

Member, Canadian Ophthalmological Society Annual Meeting Planning Committee

Member, Canadian Ophthalmological Society Eye Bank Committee

Member, Manpower Committee, Ophthalmology, Providence Health Care Experimental Medicine Executive Committee, Department of Medicine, UBC Experimental Medicine Admissions Committee, Department of Medicine, UBC Experimental Medicine Awards Committee, Department of Medicine, UBC Member, Residency Training Committee, UBC Dept O&VS Member, Clinical Research Ethics Board, UBC

Dr. Vivian Yin

Poster Awards Adjudicator- Canadian Ophthalmology Society Annual Meeting Program Committee Vice chair- Royal College of Physicians and Surgeons, Specialty Committee Engagement Working Group- Vancouver Physician Staff Association VCH Diversity Equity and Inclusion Committee

Dr. Kevin Gregory-Evans

Chairman, VCHRI Research Infrastructure Working Group (2011-present

Member, VCHRI Council (2011-present)

Member, VCHRI Council (2011-present)

Panel Member, Canadian Institutes of Health Research Team Grant Panel Chair and conference organizer: FFB-Canada National Vision Quest Patient

FFB-C Patient Registry Oversight Committee: 2012-present

Panel member: California Institute of Regenerative Medicine Panel, USA (2011-present).

Publication Records

Dr. Peter Dolman

Burch HB, Perros P, Bednarczuk T, Cooper DS, Dolman PJ et al. Management of thyroid eye disease: a Consensus Statement by the American Thyroid Association and the European Thyroid Association. Thyroid 2022; 32 (12): 1439-1470

HM Khan, M Wirth, PJ Dolman, S Yeung, A Iovieno. Long-term Outcomes of Rehabilitative Surgery in Ocular Cicatricial Pemphigoid and Drug-induced Pseudo-Pemphigoid. Investigative Ophthalmology & Visual Science 2022; 63 (7), 3989–A0269-3989–A0269

Nair AA, Ediriwickrema LS, Dolman PJ, Law G, AR Harrison et al. Predictive Modeling of New-Onset Postoperative Diplopia Following Orbital Decompression for Thyroid Eye Disease. Ophthalmic Plastic & Reconstructive Surgery 2022; 10.1097

Ming WH, Terry J, Zhao L, Dolman PJ. Orbital Teratoma: Case Report and Management Review. Ophthalmic Plastic and Reconstructive Surgery 2022

D'Alessandro,PR \ Lo AC, Spencer MH, Farinha P, Dolman PJ, Armstrong L et al. Primary cutaneous follicle center lymphoma of the medial canthus of the eye in an 11-year old. Pediatric Blood & Cancer, 2022; e29630-e29630

D'Alessandro P, Lo A, Spencer M, Farinha P, Armstrong L, Dolman PJ Comment on: Primary Cutaneous Lymphomas in Children and Adolescents Primary cutaneous follicle center lymphoma of the medial canthus of the eye in an eleven year old. Authorea Preprints 2022

Dolman PJ, Chung YHW. Pediatric Neurogenic Tumors Taylor and Hoyt's Pediatric Ophthalmology and Strabismus, E-Book, 252 2022

GJ Kahaly, PJ Dolman, J Wolf, BC Giers et al. Proof-of-Concept and Randomized, Placebo-Controlled Trials of an Fcrn Inhibitor, Batoclimab, for Thyroid Eye Disease. The Journal of Clinical Endocrinology & Metabolism 2023

North VS, Dolman PJ, Garrity JA, Kazim M. Disease Modulation Versus Modification: A Call for Revised Outcome Metrics in the Treatment of Thyroid Eye Disease. Ophthalmic Plastic & Reconstructive Surgery 40 (2), 156-160, 2024 Khan HM, Wirth MA, Dolman PJ, Yeung SN, Iovieno A. Long-term outcomes of fornix reconstruction and cicatricial entropion repair in ocular mucous membrane pemphigoid and drug-related secondary pemphigoid, CJO 2023

Dr. Jane Gardiner

Conference Proceedings

Renee Boldut, Alexander Kwong, Linlea Armstrong, Jane Gardiner, Leah Prentice, Puneet Wokhloo, Damian Duffy Establishing a Database to Reliably and Efficiently Identify Patients Eligible for Novel Gene Therapies. 2024 Western Medical Research Conference, Poster Presentation, January 18-20, 2024, Carmel, California

Alexander Kwong, Renee Voldut, Linlea Armstrong, Jane Gardiner, Leah Prentice, Puneet Wokhloo, Damian DuffyOptimizing the Organization of Familial Genetic Testing Information in an Inherited Retinal Dystrophy Registry. 2024 Western Medical Research Conference, Poster Presentation, January 18-20, 2024, Carmel, California

Roberta Berard, Hon Yan Ng, Andrea Human, David Piskin, Muhammed Dhalla, Chloe Gottlieb, Michelle Batthish, Gaëlle Chédeville, Christina Forest, Eric Fortin, Jane Gardiner, Kerstin Gerhold, Andre Jastrzebski, Bianca Lang, Paivi M.H. Miettunen, Sabrina Morgenstern, Marie-Paule Morin, Alan Rosenberg, Dax G. Rumsey, Carlos E. Solarte, Nasrin Tehrani, Karen Watanabe Duffy, Jordi Pardo Pardo, Glen S. Hazlewood and Deborah M. Levy.

Canadian Rheumatology Association Recommendations for the Screening, Monitoring, and Treatment of Juvenile Idiopathic Arthritis—Associated Uveitis. The Journal of Rheumatology, March 2023, 50 (3) 390-399

Podcast

August 2022 "Pediatric Ptosis", Peds Cases podcast, https://www.pedscases.com/pediatric-ptosis Developed with Arshdeep Singh Marwaha, 4th year medical student

Dr. Deborah Giaschi

Manning C, Meier K, Giaschi D. (2022) The reverse motion illusion in random dot motion displays and implications for understanding development. Journal of Illusion 3: 1-13; https://doi.org/10.47691/joi.v3.7916

Hou S, Zhang Y, Christian L, Niechwiej-Szwedo E, Giaschi D. (2022) Visuomotor control in children with amblyopia. Developmental Psychobiology 64:1-14.

Giaschi D, Asare A, Jost R, Kelly K, Birch E. (2024) Motion-defined form perception in deprivation amblyopia. Investigative Ophthalmology & Visual Science 65 (4): 13; https://doi.org/10.1167/iovs.65.4.13

Dr. Femida Kherani

Navigating personal and professional development through social media in ophthalmology B He, SM Tanya, F Costello, F Kherani, N Shame, D Zhu Clinical Ophthalmology, 2263-2274

Bridging gaps in access to ophthalmology mentorship with the virtual Canadian Ophthalmology Mentorship Program SM Tanya, AX Nguyen, DR Pur, M Nguyen, F Kherani, F Costello, R Kohly Eye 36 (9), 1848-1849

Review of eye injuries associated with dermatologic laser treatment L Flegel, F Kherani, V Richer Dermatologic Surgery 48 (5), 545-550

Response of five different hyaluronic acid gels to varying doses of recombinant human hyaluronidase P Mehta, C Ryu, K Park, F Kherani, S Zhang-Nunes Journal of Plastic, Reconstructive & Aesthetic Surgery 76, 298-300

Closing the Gender Gap Among Canadian Ophthalmology Societies M Parvand, M Eslami, N Doughty, SN Yeung, F Kherani Seminars in Ophthalmology 39 (2), 150-157

Practice approaches among Canadian ophthalmologists M Parvand, N Doughty, A Jaffer, E Sanders, F Kherani BMJ Open Ophthalmology 9 (Suppl 1)

Dr. Kevin Gregory-Evans

Gregory-Evans K, Kolawole OU, Molday RS, Gregory-Evans CY. Novel variants in ABCA4-related retinopathies with structural re-assessment of variants of uncertain significance. Acta Ophthalmologica 2024 In Press

Lammers MJW, Young E, Yanai A, Viringipurampeer I, Le TN, Straatman L, Westerberg BD, Gregory-Evans K. The neuroprotective effects of olfactory derived mesenchymal stem cells on auditory hair cells. Journal of Otolaryngology - Head & Neck Surgery. 2024 In Press.

Kolawole OU, Huang A, Gregory-Evans CY, Shunmugam M, Weaver T, Gregory-Evans K. Molecular genetic diagnostics for inherited retinal dystrophies in the clinical setting. Can J Ophthalmol. 5 Sep 2023, DOI: https://doi.org/10.1016/j.jcjo.2023.08.006

Kolawole OU, Gregory-Evans CY, Bikoo R, Huang AZ, Gregory-Evans K. Novel pathogenic variants in Tubulin Tyrosine Like 5 (TTLL5) associated with cone-dominant retinal dystrophies and an unusual optical coherence tomography phenotype. Mol Vis. 2023;29:329-337.

Dr. Christopher John Lyons

Complete resolution of iris Juvenile xanthogranuloma with topical corticosteroid only. Winter A(F), Lyons CJ Can J Ophthalmol 2022; S0008-418(21) 00166-6 PMID 34077746

Linkage Analysis identifies an isolated strabismus locus at 14q12 overlapping with FOXG1 syndrome region Ye XC, Roslin NM, Paterson AD, Lyons CJ, Pegado V, Ross, Giaschi D, Gregory Evans C, Wasserman W. J Med Genet 2022;59:46-55

Acute onset dacryoadenitis following immunisation with mRNA COVID 19 vaccine. Murphy T, Raheem Abu Shanab A, Kang K, Lyons CJ BMJ Case rep. 2022;15(3):e248441 PMID 35256374

Taylor and Hoyt 6th Edition. Pediatric Ophthalmology and Strabismus. Elsevier. London. 2022. Editors: Lyons CJ, Lambert S

Pediatric orbital lesions: ocular pathologies. Gerrie SK, Rajani H, Branson HM, Lyons CJ, Marie E, Frayn CS, Hughes ECM, Navarro OM. Pediatr Radiol. 2024 Feb 7. doi: 10.1007/s00247-024-05869-w. Online ahead of print. PMID: 38321238

Pediatric orbital lesions: non-neoplastic extraocular soft-tissue lesions. Gerrie SK, Rajani H, Navarro OM, Lyons CJ, Marie E, Frayn CS, Hughes ECM, Branson HM. Pediatr Radiol. 2024 Feb 28. doi: 10.1007/s00247-024-05892-x. Online ahead of print. PMID: 38413469

Pediatric orbital lesions: bony and traumatic lesions. Gerrie SK, Navarro OM, Lyons CJ, Marie E, Rajani H, Frayn CS, Hughes ECM, Branson HM. Pediatr Radiol. 2024 Feb 27. doi: 10.1007/s00247-024-05882-z. Online ahead of print. PMID: 38411665

Pediatric orbital lesions: neoplastic extraocular soft-tissue lesions. Gerrie SK, Branson HM, Lyons CJ, Marie E, Rajani H, Frayn CS, Hughes ECM, Navarro OM. Pediatr Radiol. 2024 Mar 14. doi: 10.1007/s00247-024-05891-y. Online ahead of print. PMID: 38480589

Outcomes of a Second Ahmed Glaucoma Implant with Mitomycin-C in Pediatric Glaucoma After Initial Valve Failure. Promelle V, Lyons CJ. J Glaucoma. 2024 May 10. doi: 10.1097/IJG.000000000002422. Online ahead of print. PMID: 38722198

Unilateral progressive anterior iris adhesions in Mowat-Wilson syndrome: a new ocular finding. Hernández-Marrero D, Junaidi RM, Lyons CJ. J AAPOS. 2024 Feb;28(1):103807. doi: 10.1016/j.jaapos.2023.11.010. Epub 2024 Jan 12. PMID: 38218547

Dr. Patrick E Ma

CANADIAN JOURNAL OF OPHTHALMOLOGY/JOURNAL CANADIEN D'OPHTALMOLOGIE

TITLE: TWO CASES OF OCULAR NEEDLE INJURY PRESENTING WITH ENDOPHTHALMITIS IN A CANADIAN INNER-CITY POPULATION CORRESPONDING AUTHOR: DR. AMANDA SCHLENKER

CO-AUTHORS: ANASTASIA FAGGIONI, MD; HEATHER O'DONNELL, MD, FRCSC; GREG MOLONEY, MBBS, MMED, FRANZCO, FRCSC; PATRICK MA, OD, MD, FRCSC MANUSCRIPT NUMBER: MARCH 31, 2023

Dr. Katherine Paton

Exceptional response to combination ipilimumab and nivolumab in metastatic uveal melanoma: Insights from genomic analysis. Yu IS, Wee K, Williamson L, Titmuss E, An J, Naderi-Azad S, Metcalf C, Yip S, Horst B, Jones SJM, Paton K, Nelson BH,

Pediatric Ophthalmology

2022-2024

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The Retinoblastoma Research Booklet: A Catalyst for Patient Involvement in Retinoblastoma Research. Ristevski I, Kiew J, Hendry M, Prunier M, Noronha R, Al-Hammadi M, Flegg K, Gallie BL, Paton K, Dimaras H; Canadian Retinoblastoma Research Advisory Board. Healthc Q. 2022 Apr;24(SP):61-68. doi: 10.12927/hcg.2022.26772.PMID: 35467513

Retinoblastoma Outcomes in the Americas: A Prospective Analysis of 491 Children With Retinoblastoma From 23 American Countries. Berry JL, Pike S, Rajagopalan A, Reid MW, Fabian ID; Global Retinoblastoma Study Group.Am J Ophthalmol. 2024 Apr;260:91-101. doi: 10.1016/j.ajo.2023.11.004. Epub 2023 Nov 10.PMID: 37949286

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Dr. Vivian Yin

Yin VT. Management of the blind eye and options for cosmesis. Canadian Eye Care Today 2023;2(3):5-9.

Dr. Sonia N Yeung

Bandara, N.A., Zhou, X.R., Kamiar, A., Iovieno, A., Matsubara, J.A., Yeung, S.N. (2023) The impact of vaping on the ocular surface: A Systematic review of the literature. Journal of Clinical Medicine. Accepted, in press.

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Ling, J., Yeung, S.N., Chan, C.C., Harissi-Dagher, M., Legare, M.E., Fava, M., Iovieno, A. (2023) Trends in Fungal Keratitis in Canada: a 20-year Retrospective Multicentric Study. American Journal of Ophthalmology. Online ahead of print.

Kahuam-Lopez, N., Yeung, S.N., Iovieno, A. (2023) Resolution of limbal stem cell deficiency with the use of a topical Rhokinase inhibitor. Canadian Journal Of Ophthalmology. Dec 11:S0008-4182(23)00369-1. doi: 10.1016/j.jcjo.2023.11.007. Online ahead of print.

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Ling, J. Qiao, G., Iovieno, A., Yeung, S.N. (2023) Visual Outcomes in Cataract Surgery in Keratoconus Patients. Journal of Refractive Surgery. May;39(5):319-325.

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Marwaha, A., Iovieno, A., Yeung, S.N. (2022) An Emergency Room Diagnosis: Pain and Acute Vision Loss Secondary to Microbial Keratitis: A Contact Lens-Related Complication. Journal of Emergency Medicine. Sept;63(3)417-419.

Bizrah, M., Ching, G., Yusuf, A.M., Din, N., Yeung, S.N., McCarthy, J.M., Iovieno, A., Holland, S.P. (2022) Local anesthesia as the standard of care for penetrating and lamellar keratoplasty? Eye Journal. Jul;36(7):1486-1493.

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Initiatives in Progress

Name Initiative

Jane A Gardiner Creation of an Inherited Retinal Disease Database in conjunction with the Genetics

Dept at C&W

Quality Improvement Project evaluating measures to improve pain control post

strabismus surgery

Vivian Yin Canadian Ophthalmology Society Foundation- Task Force on Access to care for rural

Canada

Femida Kherani UBC Residency Training Program: Mentorship Program

Women in Ophthalmology: Journal Club Series

Christopher John

Lyons

Fund-raising to create an endowment in perpetuity in honour of Dr Duncan Anderson, to fund a UBC Fellowship in Neuro-Ophthalmology. Thanks to the

generous donations of ex-students, residents, and colleagues, and with matching

from VGH Foundation, we reached the \$500,000 target.

Katherine Paton Patient and Family engagement in Retinoblastoma research and support

Retinoblastoma program renewal and development. Collaboration of Pathology,

Pediatric Oncology Interventional Radiology, Neuroradiology at BCCH

Retinoblastoma pathway of care: rapid referral system

BC Wide Retinoblastoma Genetic Analysis – database, consistent test protocols and

counselling – Hereditary Cancer Clinic, BC Cancer, with Medical Genetics, BCCH

Vitreoretinal Lymphoma pathology testing and diagnosis: with retina, BC Cancer and

ophthalmic pathology.

 $West\ Coast\ chapter\ of\ Canadian\ Retinobla stoma\ Symposium,\ and\ Canadian\ RB\ Family$

Association – demonstration meeting April 2024 concluded, next steps in process.

Provincial database for Retinoblastoma – with BC Cancer

Other News

Harald Gjerde - "My Shin Ramyun a poem published in The Instant Noodle Literary Review, Nov 2022; 2:24

Ross Kennedy - Co-Founder and Board Member of iScreen Vision Inc. Based in Memphis TN.

<u>www.iscreenvision.com</u> The company identifies tens of thousands of American children each year who have vision threatening diseases to help with timely identification and treatment.

Remarks

Ophthalmology continues to be one of the busiest clinics at BC Children's Hospital, servicing more than 15,000 patients a year. We have a dedicated team of ophthalmologists, orthoptists, technicians and an electrophysiologist and we work closely with our low vision staff to provide excellent care to the children of British Columbia and beyond. We were thrilled to have our electrophysiology services fully functional again, after a hiatus, and happy to add a photographer to our staff. We are planning for a renovation in 2025, to expand our space and be able to serve more patients in a timely fashion.

We remain an integral part of UBC's teaching mandate on all levels. We regularly teach medical students from UBC's Faculty of Medicine program, both during their regular 3rd year clerkship and during 4th year electives. Dr Jane Gardiner continues in her role as Director of Undergraduate Ophthalmology and Vision Science, and she makes sure that pediatric ophthalmology is well taught. We have residents who spend two, 2-month periods with us, learning about pediatric ophthalmology. We also offer experiences in Pediatric Ophthalmology to residents in other specialties such as genetics, pediatrics, pediatric emergency, neurology, and surgery. Dr Christopher Lyons continues to lead our fellowship program and we take a developing world and developed world fellow each year. During 2022-23, we trained two fellows with one from the West Bank and the other from Spain. In 2023-24 our fellows come from Australia and Columbia. Our fellowship program is thankful for the support from the BCCH Foundation as well as the John Pratt Johnson and Andrew McCormick Endowments. These endowments are in memory of the founding pediatric ophthalmologists at BC Children's Hospital.

Our staff are actively involved in further teaching on all levels. We assist with continuing medical education programs. We lecture locally, nationally, and internationally. Our department, under the stewardship of Drs Lyons and Mulholland, successfully hosted the 14th Biennial Pediatric Ophthalmology and Strabismus Meeting in September 2023. We were thankful to return to the in-person format after needing to pivot to a virtual format in 2021. We had speakers from Canada, the United States and Europe, with attendees from around the world. It was very well reviewed.

Dr Debbie Giaschi supports graduate students on her lab which is physically next to our clinic. This facilitates research opportunities in motion perception and amblyopia. Our patients are often involved in her projects. Research continues amongst many of our clinical staff, as evidenced by the breadth of publications.

Post pandemic, our outreach services were back to fully functional. We offer a wide coverage. Dr Gardiner works locally with the Downtown East Side Eye Clinic to serve some of our most disadvantaged pediatric patients. Further afield, Drs Ko and Gjerde service Ft St John and Drs Aroichane and Gardiner visit Prince George, Dr Gardiner also travels to Whitehorse. Dr Lyons provides care in Bella Coola and Nelson. Dr Lyons has recently added Pemberton to his outreach, and we are hoping to have a Terrace Clinic start this year. Cumulatively, we are saving hundreds of trips to BC Children's Hospital, and we can provide care closer to home.

DIVISION OF PEDIATRIC ORTHOPAEDIC SURGERY

2022-2024



FACULTY MEMBERS



Dr. Christopher W. Reilly Department Head Associate Professor



Dr. Christine M. Alvarez Clinical Associate Professor



Dr. Kishore Mulpuri Professor



Dr. Firoz Miyanji Clinical Professor



Dr. Anthony Cooper Clinical Associate Professor



Dr. Arvindera Ghag Clinical Assistant Professor

FACULTY MEMBERS



Dr. Lise Leveille Clinical Assistant Professor



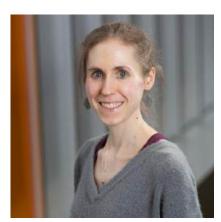
Dr. Jeff Pike Clinical Professor



Dr. Andrea Simmonds
Clinical Instructor



Dr. Paul Clarkson Clinical Professor



Dr. Emily Schaeffer Research Director Research Associate

Staff

Dr. Harpreet ChhinaResearch Associate (Cooper) **Kristen Adams**Administrative Coordinator

Dr. Bryn Zomar Postdoctoral Research Fellow, Hippy Lab

Ashley Munoz Research Coordinator, Hippy Lab

David Stephen-Tammuz Research Coordinator, Hippy Lab

Tamara Dudley Global Hip Health Coordinator, Hippy Lab

Joel SloanManaging Director, Hippy LabBrittany LimResearch Coordinator (Cooper)

Michele StarkMOA (Reilly)Marilyn TimbrellMOA (Alvarez)Brenda WhitworthMOA (Alavarez)Salima DamaniMOA (Mulpuri)Susan RamsicalMOA (Cooper)

Valerie Walsh MOA (Miyanji/Ghag)

Melissa HartMOA (Leveille)Dolly KhannaNurse ClinicianWendy KrishnaswamyNurse ClinicianAlyssa RobinsonClinic Nurse

Jennifer Dunlop Nurse Practitioner **Fidel Brooks** Cast Technician **Ricardo Botia** Cast Technician Shelina Kabani Orthopaedic Clinic **Manjit Bains** Orthopaedic Clinic **Stacey Miller** PT, CP Hip Surveillance **Maria Juricic** PT, Orthopaedic Clinic **Nandy Fajardo** PT, Orthopaedic Clinic Daphne O'Young OT, Orthopaedic Clinic

Sarah Pesticelli Nurse Clinician Farzana Jiwani Nurse Clinician

Marcella Paoletti PT, Orthopaedic Clinic

Jennifer Farr Hip Surveillance

Dates Supervised

Teaching Activities

Fellows Supervised

Name

Dr. Muwanis (May 1-Jun 30) Dr. Nassaazi (July 1-31) Dr. Bakkai (May 1-July 30) Dr. Bull (June 1-July 31) Dr. Shirley (Feb 1-July 31) Dr. Eren (May 1-July 31) Dr. Jandial (Aug 1-Mar 31)

Dr. Alotaibi (Aug 1- Mar 31) Dr. Aldahamsheh (Aug 1-Jan 31) Dr. Spurr (Aug 1- Mar 31) Dr. Hanna (Aug 1- Jan 31)

(September – Mar 31)

Dr. Murwanashyaka Dr. Bansal Oct 1- Mar 31 Dr. Alotaibi Apr 1 – Jul 31 Dr. Murwanashyaka Apr 1 - Jan 31 Dr. Hanna Feb 1 - Jul 31 Dr. Aldahamsheh Feb 1 - Jul 31 Dr. Spurr Apr 1 - Mar 31 Dr. Bansal Apr 1 – Jul 31 Dr. Jandial Apr 1 – April 7 Dr. Clarke Aug 1 - Mar 31 Dr. Stallard Aug 1 - Mar 31

Dr. Armit Aug 1 - Mar 31 Dr. Kantar Sept 11 - Apr 30 Dr. Al Ahmed Aug 20 - Apr 30 Dr. Eseonu Aug 1 - Mar 31 2021 - 2023 Dr. Zomar





Residents Supervised

Name	PGY	Dates Supervised
Dr. Gabrielle Levesque	PGY 2	July 1 – October 23
Dr. Arsh Sidhu	PGY 2	July 1 – August 28
Dr. Mary Sun	PGY 4	August 2 – October 23
Dr. Arashdeep Sidhu	PGY 2	August 2 – August 28
Dr. Mikaela Peters	PGY 4	October 24 – January 15
Dr. Yasir Al-Shehri	PGY 2	October 24 – January 15
Dr. Aly Alsaifan	PGY 5	December 19 – March 12
Dr. Abdul Almeshari	PGY 4	January 16 – March 12
Dr. Abdul Almeshari	PGY 4	March 13 – April 9
Dr. Arsh Sidhu	PGY 2	March 13 – April 9
Dr. Tanya MacDonell	PGY 4	April 10 – June 30
Dr. Wei-Ting Alice Wang	PGY 2	April 10 – June 30
Dr. Hannah Nazaroff	PGY 5	April 10 – June 30
Dr. Taylor Crown	PGY 4	July 1 – August 27

Dr. Naif Alanazi	PGY 2	July 1 – September 24
Dr. Yousif Murad	PGY 2	July 1 – July 30
Dr. Jenny He	PGY 2	July 31 – October 22
Dr. Al-Amoodi	PGY 2	September 25 – October 22
Dr. Chen	PGY 4	October 23 – December 17
Dr. Mohammad	PGY 2	October 23 – December 17

Students Supervised

Name Daniella D'Amici Joyce He	Student Type BASc BSc	Dates Supervised May 2022 – Aug 2023 May 2023- Aug 2024
Belvina Mao	MD	Mar 2022 – Present
Kat Zaraska	MD	Mar 2023 – Aug 2023
Alissa Zhang	MD	May 2021 – Nov 2023
Yu Chi Lin	BSc	May 2022 – Apr 2023
Caitlyn Sun	BSc, Work Learn	2020-2022
Jaimy Coates	BSc, Work Learn	2020-2022
Luke Wu	BSc, Work Learn	May 2022 - Aug 2022
Annie Li	BSc, Work Learn	May 2022 – Aug 2022
Daphne Tian	BSc, Work Learn	Sep 2022 – Apr 2023
Hari Ameja	BSc, Work Learn	May 2022 – Aug 2022
Duneesha De Silva	BSc, Work Learn	Aug 2022 – Apr 2023
Ashleen Khatra	BSc, Work Learn	Aug 2022 – Apr 2023
Ashleen Khatra	BSc; Co-op Student	2022
Sheila Lam	BSc; Co-op Student	May 2022 – Aug 2023
Sana Arora	BSc; Co-op Student	May 2022 – Apr 2023
Jack Hu	BSc; Co-op Student	Sep 2022 – Dec 2022
Natalie South	MD	2021- 2022
Mansi Potluri	MD	2021- 2022
Jay Attaluri	MD	2021 - 2023
Andrea Simmons	MHSc	2016-2022
Luke Johnson	MASc	2019 - Present
Arun Kumar	MASc	2019 -2022
Ammarah Kaderdina	MASc	2019 -2022
Jacqueline Li	MSc	2019 - Present
Richard Bresler	MSc	2022 -2023
Armin Nouri Zadeh	MSc	
Vanessa Sidhu	MD	2020 – 2023
Andrew Pauls	MD	2020 - 2022
Aayush Malholtra	MD	2020 – Present
Natalie South	MD	2021 – 2023
Mansi Potluri	MD	
Ajay Shanmugarja	MD	2021 -2023

Dalad David P	MD	2024 - Barrard
Bobak Rasouli	MD	2021 - Present
Judy So	MD	2021 – Present
Ethan Ponton	MD	2021 - Present
Miles Jaques	MD	2022 - Present
Lauren Bondi	MD	2022 - Present
Taylor Ricci	MD	2022 - Present
Annie Li	BSc; Work Learn	May 2022 – Aug 2022
Daphne Tian		Nov 2022 – Apr 2023
Hari Arneja		May 2022 – Aug 2022
Luke Wu		May 2022 – Aug 2022
Varun Nair	BSc	2021 – 2023
Ashleen Khatra	BSc	2021 - 2023
Sheila Lam	BSc; Co-op	2022 – 2023
Sana Arora	BSc; Co-op	2022 -2023
Tarini Bopari	BSc; Co-op	2022 – 2023
Trevor Fowler	BSc; Co-op	2022 – Present
Sophia Provenzamo	BSc; Co-op	2022
Jack Hu	BSc; Co-op	2022
Jason Kamelle	BSc; Co-op	2023
CaityIn Siu	BSc; Co-op	2020 – 2022
Duneesha DeSilva	BSc; Work Learn	2022 - 2023
Ryanne Uy	BSc, Co-op	May 2022 – Apr 2023
Thomas Thordarson	BSc, Co-op	Sep 2022 – Aug 2023
Josh Dyce	BSc, Co-op	May 2023 – Present
Hannah Locco	BSc, Co-op	Sep 2023 - Present
Brittany Lim	MSc, Directed Studies	Sep 2022 – Apr 2023
Cameron Leong	BSc, Directed Studies	Sep 2022 – Apr 2023
Renitha Reddibathuni	MD	June 2021 – Current
Varun Muddaluru	RCSI	May 2022 - Current
Noopur Ranganathan	MD	May 2022 - Present
Charlene Harasym	Engineering	May 2022 – Current
Cameron Leong	BSc, Integrated studies	Sep 2022 – Apr 2023
Britanny Lim	MSc, Thesis	Jan 2022 - Current
Tagdir Ali	Postdoctoral Fellow	Aug 2023- Current
Ryan Hocking	BSc, Work Learn	Aug 2022 – Present
Sukanya Sen	BSc, Work Learn	Nov 2023 - Present
Tarini Bopari	BSc; Co-op Student	May 2022 – Aug 2023
Trevor Fowler	BSc; Co-op Student	May 2022 – Apr 2023
Jason Kamelle	BSc; Co-op Student	Jan 2023- Aug 2024
Samantha Gee	BSc; Co-op Student	May 2023 – Aug 2024
Sharon Ho	BSc; Co-op Student	May 2023 – Oct 2023
Maneeta Janjua	BSc; Co-op Student	May 2023 – Apr 2024
Christie Yang	BSc; Co-op Student	May 2023 – Aug 2024
Olamide Olabiyi	BSc; Co-op Student	May 2023 – Aug 2024
Samantha Tang	BSc; Co-op Student	May 2023 – Aug 2024
Alex Kwong	BSc; Co-op	2023 - 2024
	/F	 .

Alice Duan	BSc; Co-op	2023 - 2024
Josh Zhang	BSc; Co-op	2023 - 2024
Renee Boldut	BSc; Co-op	2023 - 2024
Maria Bonta Jose Suarez	MASc	2022 – Present
Mehdi Nouri Zadeh	MASc	2022 – Present
Tony Hutchings	MASc	2022 – Present
Jacqueline Li	MSc	2019 -2023
Duneesha DeSilva	MSc	2023 - Present
Jordan Steveson	PhD	2022 - Present
Rory Trevorrow	MD	2023
Alissa Zhang	MD	2023
Armin Nouri Zadeh	MSc	2023 - Present
Serena Kassam	MSc	2023 - Present
Ben Stothers	MD	2023 - Present
Sana Arora	BSc; Work Learn	2023 - Present
Ryan Hocking	BSc; Work Learn	2023 – Present
Tarini Boparai	BSc; Work Learn	2023 – Present
Marianna Hsu	BSc; Co-op	2023
Ella Rowland	WiS Mentee	2023 – Present
Sammy Gee	BSc; Co-op	2023 – Present
Christie Yang	BSc; Co-op	2023 – Present
Maneeta Janjua	BSc; Co-op	2023 – Present
Sharon Ho	BSc; Co-op	2023 – Present
Olamide Olabiyi	BSc; Co-op	2023 – Present
Samantha Tang	BSc; Co-op	2023 – Present
Maiara Burgess	BSc; Co-op	2024 - Present
Marianna Hsu	BSc; Work Learn	2024 - Present



Scholarly & Professional Activities

Presentations/Lectures

Dr. Anthony Cooper

Chhina H, Fresen J, Vogt B, Rolfing J, Cooper AP. Translation and cultural adaptation of LIMB-Q Kids in German: A new patient reported outcome measure for children with lower limb deformities. Canadian Orthopaedic Association (COA) Annual Meeting, Quebec City, Canada, June, 2022.

Groenewoud R, Lim B, Chhina H, Sabharwal S, Lobst C, Bafor A, Cooper AP. Inter and intra-rater reliability of the Checketts grading system for pin site infections across all skin colours. Canadian Orthopaedic Association (COA) Annual Meeting, Quebec City, Canada, June, 2022. (Trainee Presentation)

Loh A, Bhatnagar T, Chhina H, Bone J, Lim B, Leveille L, Cooper AP. Comparing Different Methods of Measuring Leg Lengths in Pediatric Limb Length Discrepancy. Gait & Clinical Movement Analysis Society Annual Meeting (Virtual), June, 2022. (Trainee Presentation)

Bull C, Leong C, Cooper AP. Clinical application and outcomes of physeal bar resection using an intra- operative CT guided navigation system: A retrospective case series. LLRS 31 Annual Scientific Meeting, Portland, USA, July 2022. (Trainee Presentation)

Chhina H, Johnson L, Belthur M, Sabharwal S, Podeszwa D, Vogt B, Esparaza M, Iobst C, Kerrigan A, Wright J, Messner J, Fernandes J, Rolfing J, Bade D, Klassen A, Cooper AP. LIMB-Q Kids: A new patient reported outcome measure for lower limb differences. Pediatric Orthopaedic Society of North America (POSNA) Annual Meeting, Nashville, USA, April 2023.

Murad Y, Chhina H, Cooper AP. Fully Automated Analysis of The Anatomical and Mechanical Axes from Pediatric Standing Lower Limb Radiographs using Convolutional Neural Networks. Pediatric Orthopaedic Society of North America (POSNA) Annual Meeting, Nashville, USA, April 2023. (Trainee Presentation)

Chhina H, Fresen J, Vogt B, Rolfing J, Cooper AP. Translation and cultural adaptation of LIMB-Q Kids in German: A new patient reported outcome measure for children with lower limb deformities. Canadian Orthopaedic Association (COA) Annual Meeting, Quebec City, Canada, June, 2022.

Groenewoud R, Lim B, Chhina H, Sabharwal S, Lobst C, Bafor A, Cooper AP. Inter and intra-rater reliability of the Checketts grading system for pin site infections across all skin colours. Canadian Orthopaedic Association (COA) Annual Meeting, Quebec City, Canada, June, 2022. (Trainee Presentation)

O'Connor K, Zwicker J, Chhina H, Cooper AP. Discovering differences in health domains for children undergoing lower limb reconstruction with the hexapod frame. Canadian Orthopaedic Association (COA) Annual Meeting, Quebec City, Canada, June, 2022.

Gerges M, Messner J, Lim B, Chhina H, Cooper AP. Efficacy and safety of "sleeper plate" in temporary hemiepiphysiodesis and the observation of "tethering". Canadian Orthopaedic Association (COA) Annual Meeting, Quebec City, Canada, June, 2022. (Trainee Presentation)

Loh A, Bhatnagar T, Chhina H, Bone J, Lim B, Leveille L, Cooper AP. Comparing Different Methods of Measuring Leg Lengths in Pediatric Limb Length Discrepancy. Gait & Clinical Movement Analysis Society Annual Meeting (Virtual), June, 2022. (Trainee Presentation)

Murad Y, Chhina H, Cooper AP. Fully Automated Analysis of The Anatomical and Mechanical Axes from Pediatric Standing Lower Limb Radiographs using Convolutional Neural Networks. LLRS 31 Annual Scientific Meeting, Portland, USA, July 2022. (Trainee Award)

Bull C, Leong C, Cooper AP. Clinical application and outcomes of physeal bar resection using an intra- operative CT guided navigation system: A retrospective case series. LLRS 31 Annual Scientific Meeting, Portland, USA, July 2022. (Trainee Presentation)

Groenewoud R, Lim B, Chhina H, Sabharwal S, Lobst C, Bafor A, Cooper AP. Inter and intra-rater reliability of the Checketts grading system for pin site infections across all skin colours. LLRS 31 Annual Scientific Meeting, Portland, USA, July 2022. (Trainee Presentation)

Cooper AP, Chhina H, Ranade A. International Limb Differences Registry. POSICON 29 Annual Meeting, Bhubaneswar, India. February 2023. (E-Poster Presentation)

Chhina H, Klassen A, Cooper AP. Development, Translation and Cultural adaptations of LIMB-Q Kids into Hindi: A new patient reported outcome measure for children with lower limb differences. POSICON 29 Annual Meeting, Bhubaneswar, India. February 2023.

Chhina H, Klassen A, Johnson L, Belthur M, Sabharwal S, Podeszwa D, Vogt B, Esparaza M, Iobst C, Kerrigan A, Wright J, Messner J, Fernandes J, Rolfing J, Bade D, Cooper AP. International field test of LIMB-Q Kids: An internationally applicable PROM for lower limb differences. European Paediatric Orthopaedic Society (EPOS) Annual Meeting, Krakow, Poland, March-April 2023. (Best of Limb Deformity)

Murad Y, Chhina H, Cooper AP. Fully Automated Analysis of The Anatomical and Mechanical Axes from Pediatric Standing Lower Limb Radiographs using Convolutional Neural Networks. European Paediatric Orthopaedic Society (EPOS) Annual Meeting, Krakow, Poland, March-April 2023. (Best of Limb Deformity)

Chhina H, Johnson L, Belthur M, Sabharwal S, Podeszwa D, Vogt B, Esparaza M, Iobst C, Kerrigan A, Wright J, Messner J, Fernandes J, Rolfing J, Bade D, Klassen A, Cooper AP. LIMB-Q Kids: A new patient reported outcome measure for lower limb differences. Pediatric Orthopaedic Society of North America (POSNA) Annual Meeting, Nashville, USA, April 2023.

Murad Y, Chhina H, Cooper AP. Fully Automated Analysis of The Anatomical and Mechanical Axes from Pediatric Standing Lower Limb Radiographs using Convolutional Neural Networks. Pediatric Orthopaedic Society of North America (POSNA) Annual Meeting, Nashville, USA, April 2023. (Trainee Presentation)

Leong C, Han M, Muwanis M, Chhina H, Cooper AP. Physician burnout and wellness in North American orthopaedic surgeons: A systematic review. Canadian Orthopaedic Assocation 2023 Annual Meeting, Calgary, Canada, June 2023.

Levesque G, Reddi R, Chhina H, Elliott A, Bone J, Cooper AP. Frequency of Congenital Limb Reduction Defects in Canada 2010-2019. Canadian Orthopaedic Assocation 2023 Annual Meeting, Calgary, Canada, June 2023.

Chhina H, Klassen A, Rolfing J, Belthur M, Esparaza M, Bade D, Kerrigan A, Wright J, Ranade A, Vogt B, McMahon S, Podeszwa D, Fernandes J, Messner J, Muwanis M, Iobst C, Sabharwal S, Cooper AP.

LIMB-Q Kids: An internationally applicable patient reported outcome measure for lower limb differences. Canadian Orthopaedic Assocation 2023 Annual Meeting, Calgary, Canada, June 2023.

Leong C, Han M, Muwanis M, Chhina H, Cooper AP. Physician burnout and wellness in North American orthopaedic surgeons: A systematic review. Canadian Orthopaedic Assocation 2023 Annual Meeting, Calgary, Canada, June 2023.

Levesque G, Reddi R, Chhina H, Elliott A, Bone J, Cooper AP. Frequency of Congenital Limb Reduction Defects in Canada 2010-2019. Canadian Orthopaedic Assocation 2023 Annual Meeting, Calgary, Canada, June 2023.

Chhina H, Klassen A, Rolfing J, Belthur M, Esparaza M, Bade D, Kerrigan A, Wright J, Ranade A, Vogt B, McMahon S, Podeszwa D, Fernandes J, Messner J, Muwanis M, Iobst C, Sabharwal S, Cooper AP. LIMB-Q Kids: An internationally applicable patient reported outcome measure for lower limb differences. Canadian Orthopaedic Assocation 2023 Annual Meeting, Calgary, Canada, June 2023.

Chhina H, Klassen A, Rolfing J, Vogt B, Belthur M, Esparaza M, Bade D, Kerrigan A, Wright J, Ranade A, Johnson L, Podeszwa D, Fernandes J, Messner J, Iobst C, Sabharwal S, Repo J, Eylon S, Cooper AP. International Field Test of LIMB-Q Kids: A New Patient Reported Outcome Measure for Lower Limb Differences. LLRS 32nd Annual Scientific Meeting, Lake Tahoe, CA, July 14-15, 2023.

Gerges M, Chhina H, Cooper AP. Proximal TibioFibular joinT in Tibial Lengthening Osteotomy. LLRS 32nd Annual Scientific Meeting, Lake Tahoe, CA, July 14-15, 2023.

Rölfing J, Chhina H, Klassen A, Vogt B, Belthur M, Esparanza M, Bade D, Kerrigan A, Wright J, Ranade A, Johnson L, Podeszwa D, Fernandes J, Messner J, Iobst C, Sabharwal S, Repo J, Eylon S, Cooper AP. International Field Test of LIMB-Q Kids: a new patient reported outcome measure for lower limb differences. Danish Orthopaedic Society's Congress 2023, Copenhagen, Denmark. November 2023.

Wainstein T, Cook C, Assamad D, Heaton J, Randhawa M, Yeung D, Jennings L, Hayeems R, Chhina H, Cooper AP, GenCOUNSEL Study, Austin J, Elliott A. Insight and Strategies for Inclusive Adolescent and Young Adult Participation in Genetic Research. Annual Clinical Genetics Meeting 2024, Toronto, Canada. March 2024.

Cook C, Shen Y, Chhina H, Cooper AP, GenCOUNSEL Study, Elliott A. Evaluating family-centered care in Pediatric Orthopedics at BC Children's Hospital: parents'/caregivers' perspectives. Annual Clinical Genetics Meeting 2024, Toronto, Canada. March 2024.

Dr. Kishore Mulpuri

Principles of Pavlik harness management: Expert based consensus, Deborah Eastwood, Alex Aarvold, Federico Canavese, Kishore Mulpuri. Paediatric Orthopaedic Society of India (POSI) Mid-Year Meeting, Mumbai, India, July 16-17, 2022.

Decision-making in open reduction with or without femoral osteotomy: *Federico Canavese, Deborah Eastwood, Alex Aarvold, Kishore Mulpuri.* Paediatric Orthopaedic Society of India (POSI) Mid-Year Meeting, Mumbai, India, July 16-17, 2022.

Protocols for management of residual acetabular dysplasia: *Federico Canavese, Deborah Eastwood, Alex Aarvold, Pranai Buddhdev, Kishore Mulpuri.* Paediatric Orthopaedic Society of India (POSI) Mid-Year Meeting, Mumbai, India, July 16-17, 2022.

Hip Hope Network: opportunities for collaboration, *Kishore Mulpuri*. Paediatric Orthopaedic Society of India (POSI) Mid-Year Meeting, Mumbai, India, July 16-17, 2022.

Johnson L, Miller SD, Rosenbaum D, Wilson D, Mulpuri K. Digitally reconstructed radiographs to evaluate the effect of patient position on migration percentage. Australasia Academy of Cerebral Palsy and Developmental Medicine and the 3rd International Alliance of Academies of Childhood Disabilities Conference 'BETTER TOGETHER'. Virtual Meeting. March 1-5, 2022.

Wu J, Schaeffer EK. Mulpuri K. Level of Agreement in Final Diagnoses of Upper Extremity Injuries Among Orthopaedic Surgeons, Radiologists, and ED Physicians. American Academy of Orthopaedic Surgeons, Chicago, IL, United States, March 22-26, 2022.

Li J, Schaeffer EK, Miller S, Schreiber VM, Zaltz I, Hailer Y, Kim H, Mulpuri K. Surgeon Recommendations for Physical Activity in Patients with Pediatric Hip Disorders. Canadian Orthopaedic Association Annual Meeting. Quebec City, QC, June 8-11, 2022..

Coates J, Mulpuri K, Farr J, Miller S. Hip Surveillance for Children with What? The Conundrum of Diagnosis. Canadian Orthopaedic Association Annual Meeting. Quebec City, QC, June 8-11, 2022

Miller S, Juricic M, Farr J, Mulpuri K. The First North American Hip Surveillance Program: Enrollment after 5 Years. Canadian Orthopaedic Association Annual Meeting. Quebec City, QC, June 8-11, 2022.

Miller SD, Juricic M, Farr J, Mulpuri K. Hip Displacement in Children with Leukodystrophies: a case series Canadian Orthopaedic Association Annual Meeting. Quebec City, QC, June 2022.

Miller SD, Leveille L, Juricic M, Mulpuri K. Hip Displacement in Asymmetric Diplegia – Are All Gross Motor Function Classification System (GMFCS) IIs and IIIs the same? Canadian Orthopaedic Association Annual Meeting. Quebec City, QC, June 2022.

Johnson L, Miller S, Rosenbaum D, Mulpuri K, Wilson D. Digitally Reconstructed Radiographs to Evaluate the Effect of Patient Position on Migration Percentage. Canadian Orthopaedic Association Annual Meeting. Quebec City, QC, June 2022.

Mulpuri K. Review of various screening programmes globally: merits & demerits. Paediatric Orthopaedic Society of India (POSI) Mid-Year Meeting, Mumbai, India, July 16-17, 2022.

Miller S, Matthews C, Bone JN, Farr J, Mulpuri K. Evaluation of Alternate X-rays to Reduce Hip Surveillance Imaging in Children with Cerebral Palsy. American Academy of Cerebral Palsy and Developmental Medicine. Las Vegas, NV, September 2022.

Miller S, Juricic J, Farr J, Mulpuri K. Hip Displacement in Children with Leukodystrophies: a case series. American Academy of Cerebral Palsy and Developmental Medicine. Las Vegas, NV, September 2022.

Miller S, Juricic M, Farr J, Mulpuri K. The First North American Hip Surveillance Program: Enrollment after 5 Years. American Academy of Cerebral Palsy and Developmental Medicine. Las Vegas, NV, September 2022.

Mulpuri K. Screening guidelines for CP in India. Annual Conference of The Indian Orthopaedic Association (IOACON) 2022, Amritsar, India, November 28-December 3, 2022.

Mulpuri K. Screening guidelines for DDH in India (National guidelines). Annual Conference of The Indian Orthopaedic Association (IOACON) 2022, Amritsar, India, November 28-December 3, 2022.

Mulpuri K. Hip Dysplasia in Trisomy 21. International Pediatric Orthopedic Symposium, Orlando, FL, United States, December 6-10, 2022.

Mulpuri K. Diagnostic Advances in Infantile Developmental Dysplasia of the Hip (DDH). International Pediatric Orthopedic Symposium, Orlando, FL, United States, December 6-10, 2022.

Mulpuri K. Pseudoarthrosis of Neck and Coxa Vara. Pediatric Orthopaedic Society of India Annual Conference. February 11, 2023.

Mulpuri K. Identification of Predictors for the Development of Femoral Nerve Palsy in Brace Treatment for Developmental Dysplasia of the Hip, European Pediatric Orthopaedic Society Annual Meeting, Krakow, Poland. March 30, 2023

Mulpuri K. Predictors of Avascular Necrosis of the Femoral Head Following Closed or Open Reduction in the Treatment of Developmental Dysplasia of the Hip: Two-Year Update, European Pediatric Orthopaedic Society Annual Meeting, Krakow, Poland. March 30, 2023

Miller SD, Matthews C, Bone J, Farr J, Mulpuri K. Evaluation of Alternate X-rays to Reduce Hip Surveillance Imaging in Children with Cerebral Palsy. European Paediatric Orthopaedic Society Annual Meeting. Krakow, Poland, March 2023.

Mulpuri K. The Evidence is Inconclusive and Registry Data Will Give Us the Answer. Pediatric Orthopaedic Society of North America Annual Meeting. Nashville, TN, United States. April 26, 2023.

Schaeffer EK, Zomar B, Novais E, Bade D, Sankar W, Smit K, Bartley D, Loder R, Mulpuri K. Proportion of Obesity in Stable SCFE is Higher Than in Unstable SCFE: A Multicentre, International Prospective Registry Study. Pediatric Orthopaedic Society of North America Annual Meeting. Nashville, TN, United States. April 26, 2023.

Carsen S, MD; Schaeffer EK, Siu C, Mulpuri K, Reilly C. Outcomes in Operative vs. Non-Operative Management of Type 2 Pediatric Supracondylar Humerus Fractures: A Multi-Centre Prospective Cohort Trial. Pediatric Orthopaedic Society of North America Annual Meeting. Nashville, TN, United States. April 26, 2023.

Miller S; Farr J, Mulpuri K. The First North American Hip Surveillance Program: Enrollment after 5 Years. Pediatric Orthopaedic Society of North America Annual Meeting. Nashville, TN, United States. April 26, 2023.

Schaeffer EK, Hu J, Nguyen V, Sankar W, Kelley S, Mulpuri K. Identification of Predictors for the Development of Femoral Nerve Palsy in Brace Treatment for Developmental Dysplasia of the Hip. Pediatric Orthopaedic Society of North America Annual Meeting. Nashville, TN, United States. April 28, 2023.

Ponton E, Bone J, Sankar W, Mulpuri K, Schaeffer EK. Predictors of Avascular Necrosis of the Femoral Head Following Closed or Open Reduction in the Treatment of Developmental Dysplasia of the Hip: Two-Year Update. Pediatric Orthopaedic Society of North America Annual Meeting. Nashville, TN, United States. April 28, 2023.

Kiani S; Gornitzky A, Matheney T, Schaeffer EK, Mulpuri K, Shah HH, Yihua G, Upasani VS, Aroojis A, Krishnamoorthy V, Sankar W. A Prospective, Multicenter Study of Developmental Dysplasia of the Hip: What Can Patients Expect After Open Reduction? Pediatric Orthopaedic Society of North America Annual Meeting. Nashville, TN, United States. April 28, 2023.

Dr. Lise Leveille

Patella Instability and Osteochondral Fractures" Canadian Pediatric Orthopaedic Trauma Course

Passion Goals Work Repeat Keynote, Women in Orthopaedics (WORTH) Workshop

Cerebral Palsy Hip - Management and Challenges with Concomitant Spinal Deformity

Adolescent ACL Injuries – Consequences of a System Without Rapid Access. How can we come together to solve the problem?

Tibial Spine, Tibial Tubercle and Patellar Sleeve Fractures" Canadian Pediatric Orthopaedic Trauma Course

Validating the different methods of measuring leg lengths in paediatric limb length discrepancy, Canadian Orthopaedic Association Annual Meeting

Traction Apophysitis of the Olecranon: A Report of Two Cases in Rock Climbers and Review of the Literature, Canadian Academy of Sport and Exercise Medicine Annual Meeting

Comparing different methods of measuring leg lengths in pediatric leg length discrepancy, Gait & Clinical Movement Analysis Society

Dr. Emily Schaeffer

Hip Hope Network Inaugural Members Meeting. MC and Research Pillar lead. Hip Hope Network.

"Natural History of DDH." Pediatric Orthopaedic Society of India Mid-Year Meeting.

"IHDR India and Global Projects Report." Pediatric Orthopaedic Society of India Mid-Year Meeting.

"IHDR India and Global Projects Report." Pediatric Orthopaedic Society of India Mid-Year Meeting.

Li J, Schaeffer EK, Miller S, Schreiber VM, Zaltz I, Hailer Y, Kim H, Mulpuri K. Surgeon Recommendations for Physical Activity in Patients with Pediatric Hip Disorders. Podium. Canadian Orthopaedic Association Annual Meeting. Quebec City, QC, June 8-11, 2022.

Wu L, Gryzbowski G, Bliven E, Cesconetto AC, Mundy C, Krishnaswamy W, Schaeffer EK, Mulpuri K, Global Hip Dysplasia Registry KT Advisory Board. Assessing Caregiver Experiences using hip spica casts in children treated for developmental dysplasia of the hip. Podium. Canadian Orthopaedic Association Annual Meeting. Quebec City, QC, June 8-11, 2022.

Frysch C, Teo TL, Schaeffer EK, Mulpuri K. Assessing the need for orthopaedic follow-up in the management of pediatric clavicle fractures: a retrospective review. Podium. Canadian Orthopaedic Association Annual Meeting. Quebec City, QC, June 8-11, 2022.

Ponton E, Bone JN, Sankar WN, Price CT, Mulpuri K, IHD Study Group, Schaeffer EK. Podium. Canadian Orthopaedic Association Annual Meeting. Quebec City, QC, June 8-11, 2022.

Wu J, Schaeffer EK, Mulpuri K. Level of agreement in final diagnoses of upper extremity injuries among orthopaedic surgeons, radiologists and ED physicians. Podium. Canadian Orthopaedic Association Annual Meeting. Quebec City, QC, June 8-11, 2022.

Carsen S, Schaeffer EK, Siu C, Mulpuri K, Reilly C, CPOG. Outcomes in operative vs non-operative management of type 2 pediatric supracondylar humerus fractures: a multicentre prospective cohort trial. Podium. Canadian Orthopaedic Association Annual Meeting. Quebec City, QC, June 8-11, 2022.

Schaeffer EK, Hu J, Nguyen V, Sankar W, Kelley S, GHD Study Group, Mulpuri K (Presenter). Identification of Predictors for the Development of Femoral Nerve Palsy in Brace Treatment for Developmental Dysplasia of the Hip, Podium. European Pediatric Orthopaedic Society Annual Meeting, Krakow, Poland. March 30, 2023 Ponton E, Bone J, Sankar W, Price C, Mulpuri K (Presenter), GHD Study Group, Schaeffer EK.

Predictors of Avascular Necrosis of the Femoral Head Following Closed or Open Reduction in the Treatment of Developmental Dysplasia of the Hip: Two-Year Update, Podium. European Pediatric Orthopaedic Society Annual Meeting, Krakow, Poland. March 30, 2023

Schaeffer EK, Zomar B, Novais E, Bade D, Sankar W, Smit K, Bartley D, Loder R, Mulpuri K. Proportion of Obesity in Stable SCFE is Higher Than in Unstable SCFE: A Multicentre, International Prospective Registry Study. Podium. Pediatric Orthopaedic Society of North America Annual Meeting. Nashville, TN, United States. April 26, 2023.

Carsen S, MD; Schaeffer EK, Siu C, Mulpuri K, Reilly C. Outcomes in Operative vs. Non-Operative Management of Type 2 Pediatric Supracondylar Humerus Fractures: A Multi-Centre Prospective Cohort Trial. Podium. Pediatric Orthopaedic Society of North America Annual Meeting. Nashville, TN, United States.

Schaeffer EK, Hu J, Nguyen V, Sankar W, Kelley S, GHD Study Group, Mulpuri K. Identification of Predictors for the Development of Femoral Nerve Palsy in Brace Treatment for Developmental Dysplasia of the Hip. Podium. Pediatric Orthopaedic Society of North America Annual Meeting. Nashville, TN, United States. April 28, 2023.

Ponton E, Bone J, Sankar W, Mulpuri K, GHD Study Group, Schaeffer EK. Predictors of Avascular Necrosis of the Femoral Head Following Closed or Open Reduction in the Treatment of Developmental Dysplasia of the Hip: Two-Year Update. Podium. Pediatric Orthopaedic Society of North America Annual Meeting. Nashville, TN, United States.

Pediatric Orthopaedic Surgery

2022-2024

Kiani S; Gornitzky A, Matheney T, Schaeffer EK, Mulpuri K, Shah HH, Yihua G, Upasani VS, Aroojis A, Krishnamoorthy V, Sankar W. A Prospective, Multicenter Study of Developmental Dysplasia of the Hip: What Can Patients Expect After Open Reduction? Podium. Pediatric Orthopaedic Society of North America Annual Meeting.

Schaeffer EK, Zomar B, Novais E, Bade D, Sankar W, Smit K, Bartley D, Loder R, Mulpuri K. Proportion of Obesity in Stable SCFE is Higher Than in Unstable SCFE: A Multicentre, International Prospective Registry Study. Podium. Canadian Orthopaedic Association Annual Meeting. Calgary, AB, Canada. June 21-24, 2023.

Schaeffer EK, Hu J, Nguyen V, Sankar W, Kelley S, GHD Study Group, Mulpuri K. Identification of Predictors for the Development of Femoral Nerve Palsy in Brace Treatment for Developmental Dysplasia of the Hip. Podium. Canadian Orthopaedic Association Annual Meeting. Calgary, AB, Canada. June 21-24, 2023.

A Case-Control Study to Evaluate the Role of Swaddling in Developmental Dysplasia of the Hip. Zomar BO, Schaeffer EK, Khatra AK, Fowler T, Mulpuri K, Yaghoub Y, Smith AF. Poster. Canadian Orthopaedic Association Annual Meeting.

Hip Dysplasia: Risk Factors and their Associated Diagnostic Severity. Ricci T, Nguyen V, Mulpuri K, GHD Study Group, Schaeffer EK. Podium. Canadian Orthopaedic Association Annual Meeting.

Knowledge Translation Implementation. Pediatric Orthopaedic Society of India Mid-Year Meeting.

Screening Realities in 2022. NYU Langone International Hip Dysplasia Symposium.

"Introduction to Orthopaedic Research." BC Children's Hospital Pediatric Orthopaedic Fellows Research Series.

"Non-inferiority trial design methodology." BC Children's Hospital Pediatric Orthopaedic Fellows Research Series.

"Development of a DDH Care pathway in India." BC Children's Hospital Pediatric Orthopaedic Fellows Research Series.

"The Surgeon and the Scientist: Integrating Pediatric Orthopaedic Research and Clinical Care Locally and Globally." UBC Department of Orthopaedics Grand Rounds.

"Careers in Science and Medicine." Rockridge Secondary School Career Fair Invited Speaker.

Women in ORTHopaedics (WORTH) Inaugural Workshop. Organizer and Career Panelist.

WORTH Fall Workshop. Organizer and Career Panelist.

"The Surgeon and the Scientist: Integrating Pediatric Orthopaedic Research and Clinical Care Locally and Globally." UBC Department of Orthopaedics Division of Pediatric Orthopaedics Visiting Professor Day Invited Speaker.

Pediatric Orthopaedic Surgery

2022-2024

"Local-to-Global-to-Local in Pediatric Orthopaedics: The Power of Collaborative Partnerships." UBC Data Management Day Keynote Speaker.

"BC Children's Hospital Pediatric Orthopaedic Research Overview." UBC Department of Orthopaedics Research Retreat Invited Speaker.

Hippy Lab Open House. BC Children's Hospital.

Dr. Ravi Ghag

BC Orthopaedic Update – Hip Bone is attached to the Spine Bone International Meeting on Advanced Spinal Techniques 2022 Cradle to Grave Spine Deformity Course Vancouver BC

UBC Ortho Update Hip Vs Spine Neuromuscular Spine Deformity lecture 2023 BCCH Visiting Professor Day – Spine Program Update

Semi-annual BCCH Nursing Education Day Spine Surgery Teaching

Increased Physiotherapy Resource and AIS Postoperative Length of Stay - a QI Perspective. American College of Surgery Quality and Safety Conference

letcher N, Ghag R, Hedequist D, Imrie M, Bennett J, Glotzbecker M; POSNA QSVI Spine Committee. Perioperative Blood Pressure Management for Patients Undergoing Spinal Fusion for Pediatric Spinal Deformity: Current Concepts Review. JPOSNA 2023, 5.

Dr. Firoz Miyanji

Plachta S, Hwang SW, Samdani AF, Yang M, Shah SA, Miyanji F, Newton PO, Harms Study Group, Pahys JM. In Adolescent Idiopathic Scoliosis, Do All Instrumentation-Related Complications Require Revision Surgery? Scoliosis Research Society Annual Meeting, Stockholm; Sept 2022.

Miyanji F, Lonner BS, Eren A, Cahill PJ, Alanay A, Haber LL, Shah SA, Blakemore LC, Parent S, Neal KM, Harms Study Group, Newton PO. Major Complications Following Anterior Vertebral Body Tethering Surgery. Scoliosis Research Society Annual Meeting, Stockholm; Sept 2022.

Phan TN, Wren T, Miyanji F, Parent S, Welborn MC, Skaggs DL, Illingworth KD, Pediatric Spine Study Group, Andras LM, Heffernan MJ.Major Cobb Angle Did Not Decrease In 92% Of Patients After Vertebral Body Tethering Surgery Following First Erect Radiograph. Scoliosis Research Society Annual Meeting, Stockholm; Sept 2022.

Photopoulos G, Hurry JK, Bansal A, Miyanji F, Parent S, Murphy JS, El-Hawary R, Pediatric Spine Study Group. Differential Vertebral Growth Is Maintained 4 Years After Vertebral Body Tethering Surgery For Idiopathic Scoliosis. Scoliosis Research Society Annual Meeting, Stockholm; Sept 2022.

Lonner BS, Eaker LQ, Hoernschemeyer D, Zhang J, Elliot P, Fletcher ND, Alanay A, Yilgor C, Newton PO, Harms Study Group, Miyanji F.Double Major Curvature Treated With Vertebral Body Tethering Of Both Curves: How Do

Outcomes Compare To Posterior Spinal Fusion? Scoliosis Research Society Annual Meeting, Stockholm; Sept 2022.

Welborn MC, Larson N. Blakemore LC, Smith JT, Miyanji F, Pahys JM, Parent S, El-Hawary R, Pediatric Spine Study Group. Which Levels Should You Instrument In Lenke 1ar Vs 1ar Vbt Cases? Scoliosis Research Society Annual Meeting, Stockholm; Sept 2022.

Asma A, Gajewski N, Ulusalogu AC, Burton DA, Yorgova P, Sponseller PD, Jain A, Yaszay B, Samdani AF, Miyanji F, Shah SA, Harms Study Group. Modifiable Risk Factors For Perioperative Blood Transfusion During Posteririor Spinal Fusion In Patients With Cerebral Palsy. Scoliosis Research Society Annual Meeting, Stockholm; Sept 2022.

Dr. Firoz Alvarez

Senior Associate Clinical Scientist at Child and Family Health Research Institute

Dr. Christopher Reilly

Rare case of multiple skeletal Gaucheroma in patient with Gaucher Disease Type 3.Authors: Subramonian D, Levesque F, Lyons C, Bjornson B, Reilly C, Horvath G, Stockler S, Salvarinova R, Garrod Symposium, Quebec City May, 2023

Outcomes in Operative vs. Non-Operative Management of Type 2 Pediatric Supracondylar Humerus Fractures: A Multi-Centre Prospective Cohort Trial Sasha Carsen, MD; Emily Schaeffer, PhD; Caitlyn Siu; Kishore Mulpuri, MBBS, MHSc, FRCSC; Christopher Reilly, MD Pediatric Orthopaedci Society of North America, Nashville Tennessee, April 26, 2023

Orthopaedic Management of Spinal Muscular Atrophy. Chris Reilly, Cure SMA Canada 2023, Vancouver BC, Aug 18, 2023

Dr. Jeffrey Pike

Poster presentation, "Delivering Value for Patients with Shoulder Pain," Centre for Health Services and Policy Research (CHSPR) Annual Conference, March 9-10, 2023.

Host/ Emcee, PHSA Directors Forum 2023, November 8, 2023

Dr. Andrea Simmonds

Transitional Care: Paediatrics to Adult. Canadian Spine Society annual meeting.

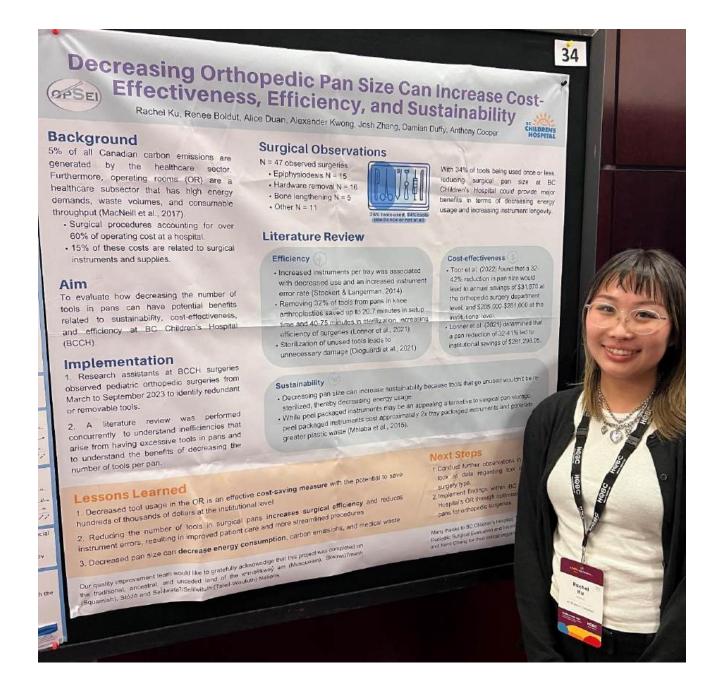
Canadian Spine Society Annual Scientific Conference Panel Member: Combined Paediatric / Adult Spinal Deformity: Transitioning from Paediatric to adult population

Canadian Spine Society Annual Scientific Conference Moderator Paediatric Deformity Podium Presentations Session

Canadian Paediatric Orthopaedic Trauma Course Moderator Upper Limb Instructional Interactive Practical Simulation Session

Moderator for 2023 COA Annual Meeting: Spine Research Sessions

BCCH Orthopaedic Fellows. BC Children's Orthopaedic Fellowship: Our surgical journeys and favourite cases
Orthopaedic Transitional Care: From Paediatrics to Adult. British Columbia Orthopaedic Update Conference.



Grants/Funding Received

Granting Agency	Title	СОМР	\$ Per Year	Year	Principle Investigator	Co-Investigator(s)
LEAP Award	GEMBA HLS	NC	5000	2022	A Cooper	
Canadian Orthopaedic Foundation	A prospective, international hip dysplasia registry with follow-up to skeletal maturity: An analysis of risk factors, screening practices and treatment outcomes	С	\$30,000	01/2018 to Present	K Mulpuri	
BC Children's Hospital Foundation	Digital Innovation Through mHealth	С	\$850,000	06/2019 to Present	M Ansermino G Durmont M Gorges K Mulpuri	BC Children's Hospital Foundation
AO Documentation and Publishing Foundation, Clinical Investigation And Documentation (AOCID)	PedORTHO: A prospective multicenter observational registry of orthopaedic trauma and health outcomes in skeletally immature children	С	\$1,360,000	11/2019 to 12/2025	K Mulpuri	E Schaeffer A Joeris
Canadian Institutes of Health Research	Long-Term Outcomes of Hip Interventions for Children	С	\$822,376	07/2019 to 07/2025	U Narayanan	D Fehlings K Graham P Gross R Hamdy K

	with Cerebral Palsy - An International Multi-Centre Prospective Comparative Cohort Study (CHOP-II)					Mulpuri M Park E Pullenayegum B Shore T Theologis
Canadian BC Children's Hospital Foundation	Peterson Fund for Global Hip Health	NC	\$500,000	06/2020 to 06/2023	K Mulpuri	E Schaeffer
British Columbia Orthopaedic Association	PedORTHO: A prospective multicenter observational registry of orthopaedic trauma and health outcomes in skeletally immature children	С	\$25,000	10/2020 to 12/2025	K Mulpuri	E Schaeffer A Joeris
³ BC Children's Hospital Research Institute	BCCHR Investigator Grant Award Program (IGAP)	С	\$95,000 per year	01/2020 to 12/2025	K Mulpuri	³ BC Children's Hospital Research Institute
Canadian Institutes of Health Research	Advanced MR Imaging of Perthes Disease to Improve Treatment	С	\$451, 352	/2019 to 07/2023		Cooper Rosenbaum E Schaeffer
Centre for International Child Health	China Care Pathway Development and Knowledge Exchange Project	С	\$40,000	08/2019 to Present	K Mulpuri	E Schaeffer
BioTalent Canada	Student Work Placement Program Contribution Agreement (Co- Op Student, Marie Keenan)	NC	\$7000	2023	A.Simmonds	

BC Children's Hospital Foundation	Limb Lengthening Research Program	С	160,000	06/2019- 06/2022	A Cooper	
Canadian Institute of Health Research	Advanced MR Imaging of Perthes Disease to Improve Treatment	С	450,000	07/2019- 07/2023	K Mulpuri	D Wilson, A Cooper, D Rosenbaum, E Schaeffer
E2i Seed Grant	Design and Fabrication of Patient-Specific 3D printed foot prosthesis for Patients with Fibular- Hemimelia - Pilot study	С	10,000	03/2021- 03/2023	A Cooper	
BC Children's Hospital Foundation	Foundation Limb Lengthening Research Program	С	290,000	03/2021- 03/2026	A Cooper	
BC Children's Hospital Foundation – CICH Global Health Seed Grant Award	Global Health Fellowship- Pediatric Orthopaedic Surgery: A joint initiative of the University of British Columbia, the University of Rwanda, the Centre for International Child Health and the Arrowsmith Global Health Partnership	С	40,000	2021- 2022	A Cooper	
BC Children's Hospital Foundation – Childhood Diseases 2022 Seed Grant	Evaluating family-centered care in specialty clinics at BC Children's Hospital:	С	25,000	02/2022- 02/2023	Alison M. Elliot	

POSNA Registry	parents', adolescent patients', and health care providers' perspectives International	С	148,900	06/2022-	A Cooper	
Grant	Limb Differences Registry		- 10,200	05/2025		
Canadian Orthopaedic Research Legacy (CORL) Grant	International Field Test and Translation and Cultural Adaptation of LIMB-Q Kids: A new patient reported outcome measure for children with lower limb deformities	С	20,000 (over 2 years)	05/2022- 05/2024	A Cooper	
The War Amps	Measuring what children like or dislike about their prosthesis	С	140,600 (over 5 years)	11/2022- 11/2027	A Cooper	
BC Children's Hospital - Evidence to Innovation Research Theme Seed Grant Award	Effect of fibular hemimelia and associated leg length discrepancy on hip alignment and knee mechanics: A pilot study	С	10,000	03/2023	A Cooper	
Canadian Institutes of Health Research	International Study to Field- Test a New Patient- Reported Outcome Measure for Children with Lower Limb Differences	С	100,000	04/2023- 03-2024	A Cooper	

OrthoPediatrics	Global Pediatric Orthopaedic Implant Safety & Efficacy	NC	500,000	01/2023- 01/2025	K Mulpuri	E Schaeffer
BC Children's Hospital Research Institute	Digital Health Accelerator Grant	С	50,000	03/2023- 09/2024	K Mulpuri	E Schaeffer A Hodgson
Canadian Institutes of Health Research	Comparing observation vs. bracing in radiologically dysplastic, stable hips in infants with developmental dysplasia of the hip. An International Multi-Centre Non-Inferiority Randomized Control Trial	С	1,090,000	04/2023- 03/2029	K Mulpuri	
Canadian Institutes of Health Research – IMHA Inclusive Research Excellence Prize – Team Science	Development of a Care Pathway for Developmental Dysplasia of the Hip in India: A study methodology to guide similar efforts in other countries and for other conditions	С	25,000	2023- 2024	K Mulpuri	E Schaeffer A Aroojis
Canadian Institutes of Health Research (CIHR)	Comparing observation vs. bracing in radiologically dysplastic, stable hips in infants with developmental dysplasia of the hip. An International	С	\$1,086,298	04/2023 to 03/2029	K Mulpuri	Schaeffer Zomar Bone Kelley

2	Multi-Centre Non- Inferiority Randomized Control Trial					
³ Michael Smith Health Research BC	2023 Convening and Collaborating Grant Total	С	\$15,000	10/2023 to 09/2024	K Mulpuri	
³ BCCH Division of Pediatric Orthopedics	For Children We Care Catalyst Grant	С	\$25,000	01/2024 to 12/2025	K Mulpuri	E Schaeffer, B Zomar, R Wilken, D De Silva
Evidence to Innovation (BCCHR) Seed Grant	An Assessment of Outcomes in the Operative and Non-operative Management of Pediatric Radial Neck Fractures — a single-centre prospective study	С	\$10,000	2024- 2026	J Pike	E Schaeffer L Leveille
OREF	Anatomical Studies of the Upper Extremity	С	\$5,000	2023	Dr. Pike	



Committee Participation

Dr. Anthony Cooper

Dept of Orthopedics Equity, Diversity and Inclusion committee (Member)

UBC Orthopaedic residency program curriculum committee (Member)

Department of Orthopaedics strategic planning committee (Member)

BC Children's Hospital BioBank Biospecimen Advisory Committee (Member)

Physician Representative BC Children's Hospital Medical Device Reprocessing Department Review (MDRD)

University of British Columbia's Pediatric Orthopaedic Fellowship (Fellowship Director)

Physician Lead Orthopaedic Clinic Redevelopment Project

Clinical Practice, Outcomes & Innovation, Evidence to Innovation (E2i),BC Children's Hospital Research Institute (Theme Co-lead)

European Paediatric Orthopaedic Society (EPOS) (Member)

Canadian Paediatric Orthopaedic Society (CPOS) (Vice President)

Pediatric Orthopaedic Society of North America (POSNA) International (Member)

Scientific Review Board Member, Canadian Orthopaedic Association (COA) National

Canadian Paediatric Orthopaedic Society (CPOS) National

Dr. Kishore Mulpuri

UBC Department of Orthopedics (Professor & Head)

Department of orthopedics (Department Head)

Research Committee on Child Restraint Seat Safety (Provincial)

Medical Staff Association BC Children's Hospital Redevelopment Committee

BC Children's Hospital Research Institute Research Leadership Council (Member)

Medical and Allied Staff Engagement Society (MASES)

Evidence to Innovation, BC Children's Hospital Research Institute

Evidence Informed Care for Children with Cerebral Palsy in British Columbia Advisory Committee (Provincial)

Cerebral Palsy Association of British Columbia Advisory Committee

Advocacy, Canadian Orthopaedic Association

POSNA Research Committee (Member)

Canadian Orthopaedic Association (President)

British Columbia Hip Surveillance Program for Children with Cerebral Palsy (Member)

International Perthes Study Group (Member)

International Hip Dysplasia Institute (Research Director)

American Academy for Cerebral Palsy and Developmental Medicine (Member)

Dr. Lise Leveille

UBC Orthopaedic Resident Interview Committee

Director Medical Undergraduate Education, Department of Orthopaedics

UBC Resident Peer Supporter

BCCH Pain and Comfort Committee (Member)

Female Physician Leadership Committee

Examiner & Item Developer, Royal College Orthopaedic Surgery Examination Board

PRISM Motion Analysis Research Interest Group (Member)

Gait and Clinical Movement Analysis Society

Canadian Academy of Sport and Exercise Medicine

Pediatric Research in Sports Medicine Society

Pediatric Orthopaedic Association of North America

Ruth Jackson Orthopaedic Society

Canadian Orthopaedic Association

British Columbia Medical Association

Canadian Medical Association

Dr. Ravi Ghag

UBC Department of Orthopaedics Residency Program and Curriculum Committees

Pediatric Orthopaedics Representative and BCCH Resident Site Director

UBC Department of Orthopaedics Continuing Education Committee

Canadian Orthopaedic Association

American Academy of Orthopaedic Surgeons

North American Spine Society

Scoliosis Research Society

Paediatric Orthopaedic Society of North America

College of Physicians & Surgeons of British Columbia

Royal College of Physicians and Surgeons of Canada

Medical Council of Canada

Canadian Medical Protective Association

British Columbia Medical Association

Scoliosis Research Society Safety & Value Committee

Scoliosis Research Society Education Committee

Pediatric Orthopaedic Society of North America Quality, Safety & Value Initiative

Spine Committee

Dr. Christopher Reilly

Orthopaedic Re-Design Committee

Member, Surgical Cabinet

Member, Surgical Services Advisory Committee (SSAC)

Member, The Department of Pediatric Surgery Surgical Cabinet

Member, Department Heads, Division Heads and Senior Medical Directors Committee

Member, CST Design Work for Ambulatory

Member, SSC Project TCON (Complex Orthopaedic) Committee

Member. Ambulatory Leadership Committee

Panel Member, Privileging Dictionary Refresh Project – Ortho Surgery

Member, Ortho Trauma VAT

Orthopaedic Re-Design Committee

Member, Surgical Cabinet

Member, Surgical Services Advisory Committee (SSAC)

Member, The Department of Pediatric Surgery Surgical Cabinet

Member, Department Heads, Division Heads and Senior Medical Directors Committee,

Member, CST Design Work for Ambulatory

Member, SSC Project TCON (Complex Orthopaedic) Committee

Member. Ambulatory Leadership Committee

Panel Member, Privileging Dictionary Refresh Project – Ortho Surgery

Member, Ortho Trauma VAT

Head, Department of Pediatric Orthopaedics, Section of Surgery

Dr. Jeffrey Pike

Physician Director, PHC Clinical Planning

Executive Medical Director, Medical Staff Development and Engagement Provincial Health Services Authority

Redevelopment Sub-committee Chair, PHC Facility Engagement

Dr. Andrea Simmonds

BCCH CST Cycle 3 design Process

BCCH Surgical Site Infection Prevention Task Force

BCCH Transitional Care & Emergency Appropriateness for Complex Patients

BCCH Department of Orthopaedics Quality Improvement and Quality Assurance

Medical Device Reprocessing Quality Council

Medical Staff Association: Women in Leadership Committee

Paediatric High Cervical Spinal Cord Injury Committee

Medical Allied Staff Engagement Society: Grant Recipient

COA Nominating Committee: BC/Yukon Representative

British Columbia Orthopaedic Association Executive (Member at Large)

Canadian Paediatric Orthopaedic Society

Fellow of the Royal College of Surgeons of Canada

Canadian Spine Society

Doctors of British Columbia

Canadian Medical Association

Canadian Medical Protective Agency

Canadian Orthopaedic Association

Dr. Christine Alvarez

Appointment, Reappointment, Promotion, Tenure (ARPT) Committee, Department of Orthopaedics, UBC Member, Computer Systems Transformation-Orthopaedic Provider Champion, BC Children's Hospital

Member, Canadian Medical Association

Member, Canadian Orthopaedic Association

Member, Paediatric Orthopaedics Society of North America

Member, BC College of Physicians and Surgeons

Member, Society of Specialists

Member, BC Orthopaedic Association

Member, BC Medical Association

Dr. Emily Schaeffer

UBC Women in Science Club (Mentor)

UBC Branch for Global Surgical Care Advisory Committee

UBC Global Orthopaedics (GO) Executive Committee (Member)

Golden Key International Honours Society (Member)

Pediatric Orthopaedic Society of North America (Member)

Canadian Pediatric Orthopaedic Society (Member)

Canadian Orthopaedic Association

Hip Hope Network (Co-founder and Research Pillar Lead)

Dr. Firoz Alvarez

Appointment, Reappointment, Promotion, Tenure (ARPT) Committee, Department of Orthopaedics, UBC Member, Computer Systems Transformation-Orthopaedic Provider Champion, BC Children's Hospital

Member, Canadian Medical Association

Member, Canadian Orthopaedic Association

Member, Paediatric Orthopaedics Society of North America

Member, BC College of Physicians and Surgeons

Member, Society of Specialists

Member, BC Orthopaedic Association

Member, BC Medical Association



Publication Records

Dr. Anthony Cooper

- 1. Chhina H, Klassen A, Bade D, Kopec J, Cooper AP. Establishing content validity of LIMB-Q Kids: A new patient-reported outcome measure for lower limb deformities. Qual Life Res. 2022;31(9):2805-2818. PMID: 35471486.
- 2. Ponton E, Bakkai A, Courtemanche D, Cooper AP. Late Ankle Reconstruction in a Child with Remote Traumatic Medical Malleolus Loss: Clinical and Radiographic Outcomes. Strategies Trauma Limb Reconstr. 2022;17(2):131-135. 35990179
- 3. Gerges M, Messner J, Lim B, Chhina H, Cooper AP. Efficacy and Safety of "Sleeper Plate" in Temporary Hemi-Epiphysiodesis and the Observation of "Tethering". J Pediatr Orthop. 2022;42(7):e762-e766. PMID: 35605208
- 4. Sharma M, Fu M, Lu H, ..., Cooper AP, Patel M, Turvey S. Human complete NFAT1 deficiency causes a triad of joint contractures, osteochondromas, and B cell malignancy. Blood. 2022;140(17):1858-1874. PMID: 35789258
- 5. Hoffer A, Chhina H, Mulpuri K, Cooper AP. Early investigation and bracing in DDH impacts maternal wellbeing and breastfeeding. J Pediatr Orthop. 2022 Oct 3. PMID: 36190923
- 6. Vogt B, Fresen J, Gosheger G, Chhina H, Brune CS, Toporowski G, Frommer A, Laufer A, Cooper AP, Roedl R, Rölfing JD. LIMB-Q Kids–German Translation and Cultural Adaptation. Children (Basel). 2022;9(9):1405. PMID: 36138714
- 7. Groenewoud R, Chhina H, Bone J, Sabharwal S, Iobst C, Bafor A, Cooper AP. Inter and Intra-Rater Reliability of the Checketts Grading System for Pin Site Infections across all Skin Colours. Strategies Trauma Limb Reconstr. 2023;18(1):2-6. DOI: 10.5005/jp-journals-10080-1581
- 8. Jønsson CE, Poulsen L, Rölfing JD, Chhina H, Cooper AP, Sørensen JA. Danish Linguistic Validation and Cultural Adaptation of the LIMB-Q Kids. Children (Basel). 2023;10(7): 1107. DOI:10.3390/children10071107
- 9. Murad Y, Chhina H, Cooper AP. Fully Automated Analysis of The Anatomical and Mechanical Axes from Pediatric Standing Lower Limb Radiographs using Convolutional Neural Networks. Journal of Pediatric Orthopaedics, 2024; 44(4):244-253. DOI: 10.1097/BPO.0000000000002611
- 10. Wang A, Chhina H, Cooper AP. Multimodal Analgesia for Patients Undergoing Lower Limb Reconstruction with External Fixators; A Prospective Case Series of Postoperative Pain and Functional Goals. Strategies in Trauma and Limb Reconstruction, 2023; 18 (3):140-147 Gholamian T, Chhina H, Stockler, S, Cooper AP. Morquio B Disease: A Case Report. Frontiers in Pediatrics, 2024. DOI: 10.3389/fped.2024.1285414

Dr. Kishore Mulpuri

- Schaeffer EK, Ponton E, Sankar WN, Kim HKW, Kelley SP, Cundy PJ, Price CT, Clarke NMP, Wedge JH, Mulpuri K; International Hip Dysplasia (IHD) Study Group. Interobserver and Intraobserver Reliability in the Salter Classification of Avascular Necrosis of the Femoral Head in Developmental Dysplasia of the Hip. J Pediatr Orthop. 2022 Jan 1;42(1):e59-e64. DOI: 10.1097/BPO.000000000001979. SA. Impact Factor 2.324.
- 2. Habib E, Krishnaswamy W, Wu JK, Schaeffer EK, Mulpuri K. Evaluating paediatric orthopaedic teleradiology services at a tertiary care centre. J Pediatr Orthop B. 2022 Jan 1;31(1):e69-e74. doi: 10.1097/BPB.000000000000850. SA. Impact Factor 2.324.
- 3. Ailabouni R, Zomar BO, Slobogean BL, Schaeffer EK, Joseph B, Mulpuri K. The Natural History of Non-operatively Managed Legg-Calvé-Perthes' Disease. Indian J Orthop. 2022 Jan 20;56(5):867-873. DOI: 10.1007/s43465-021-00543-x. SA. Impact Factor 1.3.
- 4. Sullivan ES, Jones C, Miller SD, Min Lee K, Seok Park M, Wilson DR, Mulpuri K, d'Entremont AG. Effect of positioning error on the Hilgenreiner epiphyseal angle and the head-shaft angle compared to the femoral neck-shaft angle in children with cerebral palsy. J Pediatr Orthop B. 2022 Mar 1;31(2):160-168. DOI: 10.1097/BPB.000000000000923. CA. Impact Factor 2.324.
- 5. Sanatani GE, Habib E, Bone JN, Sandhu A, Schaeffer EK, Mulpuri K. Variability in the Follow-up Management of Pediatric Femoral Fractures. J Am Acad Orthop Surg Glob Res Rev. 2022 Apr 1;6(4). DOI: 10.5435/JAAOSGlobal-D-20-00084. SA. Impact Factor 0.87.
- 6. Kannan A, Hodgson A, Mulpuri K, Garbi R. Correction to: Leveraging voxel-wise segmentation uncertainty to improve reliability in assessment of paediatric dysplasia of the hip. Int J Comput Assist Radiol Surg. 2022 Jun;17(6):1189. DOI: 10.1007/s11548-022-02594-3. Erratum for: Int J Comput Assist Radiol Surg. 2021 Jul;16(7):1121-1129. CA. Impact Factor 2.924.
- 7. Coates J, Mulpuri K, Farr J, Miller SD. Cerebral palsy diagnosis and the impact on hip surveillance enrollment. Dev Med Child Neurol. 2022 Jul;64(7):890-896. DOI: 10.1111/dmcn.15188. Epub 2022 Feb 25. CA. Impact Factor 5.449.
- 8. Fisher CG, Vaccaro AR, Mahtabfar A, Mulpuri K, Evanview N, Dea N, Makanji H, Whang PG, Heller JE. Evidence-based Recommendations for Spine Surgery. Spine (Phila Pa 1976). 2022 Jul 1;47(13):967-975. DOI: 10.1097/BRS.0000000000004350. Epub 2022 Mar 3. CA. Impact Factor 3.241.
- 9. Jin W, Farrell S, Habib E, Sandhu A, Bone JN, Schaeffer E, Mulpuri K. A Retrospective Study of Risk Factors and Outcomes in the Surgical Management of Slipped Capital Femoral Epiphysis. J Am Acad Orthop Surg Glob Res Rev. 2022 Jul 6;6(7):e21.00135. DOI: 10.5435/JAAOSGlobal-D-21-00135. SA. Impact Factor 0.87.
- 10. Taylor IK, Burlile JF, O'Brien K, Schaeffer EK, Mulpuri K, Shea KG. Developmental Dysplasia of the Hip: An Examination of Care Practices of Pediatricians. J Pediatr. 2022 Jul;246:179-183.e2. DOI: 10.1016/j.jpeds.2022.02.047. Epub 2022 Feb 26. CA. Impact Factor 4.406.

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- 12. Miller SD, Coates J, Bone JN, Farr J, Mulpuri K. A Review of Radiology Reports From Hip Surveillance Radiographs for Children With Cerebral Palsy. J Pediatr Orthop. 2022 Aug 1;42(7):e742-e746. DOI: 10.1097/BPO.00000000002183. Epub 2022 May 13. SA. Impact Factor 2.324.
- 13. Anne RP, Li J, Schaeffer E, Aroojis A, Mulpuri K, Murki S. Care Practices of Indian Pediatricians for the Screening and Diagnosis of Developmental Dysplasia of the Hip. Indian J Pediatr. 2022 Sep;89(9):911-915. DOI: 10.1007/s12098-022-04200-5. Epub 2022 Jun 22. CA. Impact Factor 1.3.
- 14. Miller S, Leveille L, Juricic M, Mulpuri K. Late Hip Displacement Identified in Children at Gross Motor Function Classification System II and III With Asymmetric Diplegia and Fixed Pelvic Obliquity. J Am Acad Orthop Surg Glob Res Rev. 2022 Sep 21;6(9):e20.00094. doi: 10.5435/JAAOSGlobal-D-20-00094. SA. Impact Factor 3.02.
- 15. Hoffer A, Chhina H, Mulpuri K, Cooper AP. Early Investigation and Bracing in DDH Impacts Maternal Wellbeing and Breastfeeding. J Pediatr Orthop. 2022 Oct 3. doi: 10.1097/BPO.0000000000002274. CA. Impact Factor 2.324.
- 16. Miller SD, Juricic M, Baraza N, Fajardo N, So J, Schaeffer EK, Shore BJ, Narayanan U, Mulpuri K. Unilateral versus bilateral reconstructive hip surgery in children with cerebral palsy: A survey of pediatric orthopedic surgery practice and decision-making. J Child Orthop. 2022 Oct;16(5):325-332. doi: 10.1177/18632521221121846. SA. Impact Factor 2.324.
- 17. Hoffer A, Chhina H, Mulpuri K, Cooper AP. Early Investigation and Bracing in DDH Impacts Maternal Wellbeing and Breastfeeding. J Pediatr Orthop. 2023 Jan 1;43(1):e30-e35. doi: 10.1097/BPO.00000000002274. CA. Impact Factor 2.324.
- 18. Siu C, Farrell S, Schaeffer EK, Doan Q, Dobbe A, Bone J, Reilly CW, Mulpuri K. Long-Arm Splinting Versus Above-Elbow Casting for Type 1 Supracondylar Fractures of the Humerus in Children: a Randomized Controlled Trial. SN Compr Clin Med. 2023 Feb 3;5(1):72. doi: 10.1007/s42399-023-01417-z. SA. Impact Factor 2.6.
- Grzybowski G, Bliven E, Wu L, Schaeffer EK, Gibbard M, Zomar BO, Casagrande Cesconetto A, Mundy C, Mulpuri K; International Hip Dysplasia Registry Knowledge Translation Advisory Board. Caregiver Experiences Using Orthotic Treatment Options for Developmental Dysplasia of the Hip in Children. J Pediatr Orthop. 2023 Feb 1;43(2):105-110. doi: 10.1097/BPO.000000000002312. SA. Impact Factor 2.324.
- 20. Johnson LG, Bortolussi-Courval S, Chehil A, Schaeffer EK, Pawliuk C, Wilson DR, Mulpuri K. Application of statistical shape modeling to the human hip joint: a scoping review. JBI Evid Synth. 2023 Mar 1;21(3):533-583. doi: 10.11124/JBIES-22-00175. SA. Impact Factor 1.67.

- 21. Kiani SN, Gornitzky AL, Matheney TH, Schaeffer EK, Mulpuri K, Shah HH, Yihua G, Upasani V, Aroojis A, Krishnamoorthy V, Sankar WN; Global Hip Dysplasia Registry. A Prospective, Multicenter Study of Developmental Dysplasia of the Hip: What Can Patients Expect After Open Reduction? J Pediatr Orthop. 2023 May-Jun 01;43(5):279-285. doi: 10.1097/BPO.00000000000002383. CA. Impact Factor 2.537.
- 22. Miller SD, Juricic M, Bone JN, Steinbok P, Mulpuri K. The Effect of Selective Dorsal Rhizotomy on Hip Displacement in Children With Cerebral Palsy: A Long-term Follow-up Study. J Pediatr Orthop. 2023 Oct 1;43(9):e701-e706. doi: 10.1097/BPO.0000000000002473. Epub 2023 Jul 24. PMID: 37493022; PMCID: PMC10481910. SA. Impact Factor 1.7.
- 23. Nguyen HB, Mulpuri N, Cook D, Greenberg M, Shrader MW, Sanborn R, Mulpuri K, Shore BJ. The Impact of COVID-19 on Multidisciplinary Care Delivery to Children with Cerebral Palsy and Other Neuromuscular Complex Chronic Conditions. Children (Basel). 2023 Sep 15;10(9):1555. doi: 10.3390/children10091555. PMID: 37761516; PMCID: PMC10529915. CA. Impact Factor 2.4.
- 24. Zomar BO, Chen M, Schaeffer EK, Mulpuri K, Joeris A; PedORTHO Study Group. Management of long bone fractures and traumatic hip dislocations in paediatric patients: study protocol for a prospective global multicentre observational cohort registry. BMJ Open. 2024 Mar 8;14(3):e079836. doi: 10.1136/bmjopen-2023-079836. PMID: 38458811; PMCID: PMC10928797. CA. Impact Factor 2.9.
- Nguyen, H. B., Mulpuri, N., Cook, D., Greenberg, M., Shrader, M. W., Sanborn, R., Mulpuri, K., & Shore, B. J. (2023). The Impact of COVID-19 on Multidisciplinary Care Delivery to Children with Cerebral Palsy and Other Neuromuscular Complex Chronic Conditions. Children (Basel, Switzerland), 10(9), 1555. https://doi.org/10.3390/children10091555
- 26. Miller, S. D., Juricic, M., Bone, J. N., Steinbok, P., & Mulpuri, K. (2023). The Effect of Selective Dorsal Rhizotomy on Hip Displacement in Children With Cerebral Palsy: A Long-term Follow-up Study. Journal of pediatric orthopedics, 43(9), e701–e706. https://doi.org/10.1097/BPO.00000000000000002473
- 27. England, P., Schaeffer, E., Price, C., Mulpuri, K., Global Hip Dysplasia Registry (GHDR), & Sankar, W. N. (2023). Proximal Femoral Growth Alterations Can Be Seen Prior to Treatment of Developmental Dysplasia of the Hip: A Multicenter Cohort Study: Original Research. Journal of the Pediatric Orthopaedic Society of North America, 5(3). https://doi.org/10.55275/JPOSNA-2023-669

Dr. Lise Leveille

- 1. Bhatnagar T, Azim FT, Behrouzian M, Davies K, Wickenheiser D, Jahren G, West N, Leveille L, Lauder GR. Assessing changes in range of motion in adolescent patients undergoing myoActivation® for chronic pain related to myofascial dysfunction: a feasibility study. Front Pain Res (Lausanne). 2023 Oct 25;4:1225088.
- 2. Rhodes J, Tagawa A, McCoy A, Bazett-Jones D, Skinner A, Leveille L, Franklin C, Chafetz R, Tulchin-Francis K. "Using Motion Analysis in the Evaluation, Treatment & Rehabilitation of Pediatric & Adolescent Knee Injuries: A Review of the Literature." Clinical Sports Medicine. 2022; 41(4):671-685.

- 3. Miller S, Leveille L, Juricic M, Mulpuri K. "Late hip displacement identified in children at gross motor function Classification system II and III with asymmetric diplegia and fixed pelvic obliquity." AAOS Global.2022;6(9).
- Provenzano, S., Hu, J., Young, M., Hsu, M., Keenan, M., Leveille, L., & Simmonds, A. (2023). The Impact of Institutional Clinical Care Guidelines on Treatment Outcomes in Pediatric Musculoskeletal Infection: A Systematic Review: Original Research. Journal of the Pediatric Orthopaedic Society of North America, 5(4). https://doi.org/10.55275/JPOSNA-2023-743

Dr. Emily Schaeffer

- 1. Schaeffer EK, Ponton E, Sankar WN, Kim HKW, Kelley SP, Cundy PJ, Price CT, Clarke NMP, Wedge JH, Mulpuri K; International Hip Dysplasia (IHD) Study Group. Interobserver and Intraobserver Reliability in the Salter Classification of Avascular Necrosis of the Femoral Head in Developmental Dysplasia of the Hip. J Pediatr Orthop. 2022 Jan 1;42(1):e59-e64. DOI: 10.1097/BPO.000000000001979.
- 2. Habib E, Krishnaswamy W, Wu JK, Schaeffer EK, Mulpuri K. Evaluating paediatric orthopaedic teleradiology services at a tertiary care centre. J Pediatr Orthop B. 2022 Jan 1;31(1):e69-e74. doi: 10.1097/BPB.000000000000850.
- 3. Ailabouni R, Zomar BO, Slobogean BL, Schaeffer EK, Joseph B, Mulpuri K. The Natural History of Non-operatively Managed Legg-Calvé-Perthes' Disease. Indian J Orthop. 2022 Jan 20;56(5):867-873. DOI: 10.1007/s43465-021-00543-x.
- 4. Sanatani GE, Habib E, Bone JN, Sandhu A, Schaeffer EK, Mulpuri K. Variability in the Follow-up Management of Pediatric Femoral Fractures. J Am Acad Orthop Surg Glob Res Rev. 2022 Apr 1;6(4). DOI: 10.5435/JAAOSGlobal-D-20-00084.
- 5. Jin W, Farrell S, Habib E, Sandhu A, Bone JN, Schaeffer E, Mulpuri K. A Retrospective Study of Risk Factors and Outcomes in the Surgical Management of Slipped Capital Femoral Epiphysis. J Am Acad Orthop Surg Glob Res Rev. 2022 Jul 6;6(7):e21.00135. DOI: 10.5435/JAAOSGlobal-D-21-00135.
- 6. Taylor IK, Burlile JF, O'Brien K, Schaeffer EK, Mulpuri K, Shea KG. Developmental Dysplasia of the Hip: An Examination of Care Practices of Pediatricians. J Pediatr. 2022 Jul;246:179-183.e2. DOI: 10.1016/j.jpeds.2022.02.047. Epub 2022 Feb 26.
- 7. Anne RP, Li J, Schaeffer E, Aroojis A, Mulpuri K, Murki S. Care Practices of Indian Pediatricians for the Screening and Diagnosis of Developmental Dysplasia of the Hip. Indian J Pediatr. 2022 Sep;89(9):911-915. DOI: 10.1007/s12098-022-04200-5. Epub 2022 Jun 22.
- 8. Miller SD, Juricic M, Baraza N, Fajardo N, So J, Schaeffer EK, Shore BJ, Narayanan U, Mulpuri K. Unilateral versus bilateral reconstructive hip surgery in children with cerebral palsy: A survey of pediatric

- orthopedic surgery practice and decision-making. J Child Orthop. 2022 Oct;16(5):325-332. doi: 10.1177/18632521221121846.
- Grzybowski G, Bliven E, Wu L, Schaeffer EK, Gibbard M, Zomar BO, Casagrande Cesconetto A, Mundy C, Mulpuri K; International Hip Dysplasia Registry Knowledge Translation Advisory Board. Caregiver Experiences Using Orthotic Treatment Options for Developmental Dysplasia of the Hip in Children. J Pediatr Orthop. 2023 Feb 1;43(2):105-110. doi: 10.1097/BPO.000000000002312.
- 10. Kiani SN, Gornitzky AL, Matheney TH, Schaeffer EK, Mulpuri K, Shah, HH, Yihua G, Upasani V, Aroojis A, Krishnamoorthy V, Global Hip Dysplasia Registry; Sankar WN. A Prospective, Multicenter Study of Developmental Dysplasia of the Hip: What Can Patients Expect After Open Reduction?. Journal of Pediatric Orthopaedics 43(5):p 279-285, May/June 2023. DOI: 10.1097/BPO.0000000000002383
- 11. Siu C, Farrell S, Schaeffer EK, Doan Q, Dobbe A, Bone J, Reilly CW, Mulpuri K. Long-arm splinting versus above-elbow casting for type 1 supracondylar fractures of the humerus in children: a randomized controlled trial. SN Compr Clin Med. 2023 5(1):72. DOI: 10.1007/s42399-023-01417-z.
- 12. Johnson LG, Bortolussi-Courval S, Chehil A, Schaeffer EK, Pawliuk C, Wilson DR, Mulpuri K. Application of statistical shape modeling to the human hip joint: a scoping review. JBI Evid Synth. 2023 Mar 1;21(3):533-583. doi: 10.11124/JBIES-22-00175. PMID: 36705052; PMCID: PMC9994808.

Dr. Ravi Ghag

1. Patel NM, Schmitz MR, Bastrom TP, Ghag R, Janicki JA, Kushare IV, Lewis R, Mistovich RJ, Nelson SE, Sawyer JR, Vanderhave KL, Wallace MJ, McKay SD. Interobserver and Intraobserver Agreement are Unsatisfactory When Determining Abstract Study Design and Level of Evidence. J Pediatr Orthop. 2022 Jul 1;42(6):e696-e700. doi: 10.1097/BPO.0000000000002136. Epub 2022 Mar 10. PMID: 35667059.

Dr. Christopher Reilly

 Vitale M, Roye B, Bloom Z, Junes J, Matsumoto H, Farrington D, Flynn J, Halanski M, Hasler C, Miladi L, Quijano-Roy A, Reilly C, Sponseller P, Yazici M, Snyder B. Best Practices for the Orthopaedic Care of Children with Spinal Muscualr Atrophy: A Consensus Statement from the European Neuromuscular Centre Standard of Care Working Group. Journal of POSNA, 2022:Vol 4, No 1

Dr. Jeffrey Pike

- 1. Daneshvar P, Gee A, Schemitsch EH, Pike J, Huang A, Jarvie G, Zdero R, Rasoulinejad P.
- 2. Proximal Ulna Osteotomy for Complex Fractures of the Distal Humerus: A 3-Dimensional Laser Analysis and Comparison With Olecranon Osteotomy. J Hand Surg Am. 2022 Apr;47(4):320-328.

3. Peters, M; Zarnett, O; Glaris, Z; Huang, A; Pike, J; Daneshvar, P; Goetz, T. Anteromedial coronoid fractures: technical description of an extensile surgical approach and outcomes from a small series using this technique. JSES Reviews, Reports, and Techniques. Feb 2023; DOI 10.1016/j.xrrt.2022.10.007

Dr. Firoz Miyanji

- 1. Meyers J, Eaker L, Samdani A, Miyanji F, Herrera M, Wilczek A, Alanay A, Yilgor C, Hoernschemeyer D, Shah S, Newton P, Lonner B. Anterior vertebral body tethering shows clinically comparable shoulder balance outcomes to posterior spinal fusion. Spine Deform. 2024 Mar 22. doi: 10.1007/s43390-024-00847-6. Epub ahead of print. PMID: 38517667.
- 2. Lonner B, Eaker L, Hoernschemeyer D, Zhang J, Wilczek A, Elliot P, Boeyer ME, Fletcher ND, Alanay A, Yilgor C, Newton P, Miyanji F; Harms Study Group. Double major curvature treated with vertebral body tethering of both curves: how do outcomes compare to posterior spinal fusion? Spine Deform. 2024 Jan 29. doi: 10.1007/s43390-023-00803-w. Epub ahead of print. PMID: 38285163.
- 3. Whitaker CM, Miyanji F, Samdani AF, Pahys JM, Sponseller PD, Bastrom TP, Newton PO, Hwang SW; Harms Study Group. Prospectively Collected Comparison of Outcomes Between Surgically and Conservatively Treated Patients with Adolescent Idiopathic Scoliosis. Spine 2024 Feb 2.
- 4. Lonner B, Eaker L, Hoernschemeyer D, Zhang J, Wilczek A, Elliot P, Boeyer ME, Fletcher ND, Alanay A, Yilgor C, Newton P, Miyanji F; Harms Study Group. Double major curvature treated with vertebral body tethering of both curves: how do outcomes compare to posterior spinal fusion? Spine Deform 2024 Jan 29.
- 5. Shaw KA, Miyanji F, Bryan T, Parent S, Newton PO, Murphy JS; Harms Study Group. Vertebral body tethering for Lenke 1A curves: the lumbar modifier predicts less optimal outcomes. Spine Deform 2024 Feb 10.
- 6. Shah SA, Kraft DB, Miyanji F. Anterior Vertebral Body Tethering: A Review of the Available Evidence. J Am Acad Orthop Surg. 2024 Jan 23.
- 7. Cahill PJ, Miyanji F, Lullo BR, Samdani AF, Lonner BS, Pahys JM, Hwang SW, Haber LL, Alanay A, Shah SA, Parent S, Blakemore LC, Hoernschemeyer DG, Neal KM, Newton PO; Harms Study Group. Incidence of Tether Breakage in Anterior Vertebral Body Tethering. J Pediatr Orthop 2024 Jan 22.
- 8. Farivar D, Parent S, Miyanji F, Heffernan MJ, El-Hawary R, Larson AN, Andras LM; Pediatric Spine Study Group; Skaggs DL. Concave and convex growth do not differ over tethered vertebral segments, even with open tri-radiate cartilage. Spine Deform 2023 Jul;11(4):881-886.
- 9. Welborn MC, Blakemore L, Handford C, Miyanji F, Parent S, El-Hawary R. Thoracolumbar curve behavior after selective thoracic anterior vertebral body tethering in Lenke 1A vs Lenke 1C curve patterns. Spine Deform 2023 Jul;11(4):897-907.
- 10. Spiessberger A, Newton PO, Mackenzie W, Samdani A, Miyanji F, Pahys J, Shah S, Sponseller P, Abel M, Phillips J, Marks M, Yaszay B. Posterior cervical spinal fusion in the pediatric population using modern adult instrumentation clinical outcome and safety. Childs Nerv Syst 2023 Jun; 39(6):1573-1580.

11. Lau D, Samdani AF, Pahys JM, Miyanji F, Shah SA, Lonner BS, Sponseller PD, Yaszay B, Hwang SW; Harms Study Group Investigators. Surgical Outcomes of Cerebral Palsy Patients With Scoliosis and Lumbar Hyperlordosis: A Comparative Analysis With 2-year Minimum Follow-up. Spine 2023 Nov 15;48(22):E374-E381.

Dr. Andrea Simmonds

1. Simmonds, A. and Wong, T. Interventions in Healthcare: Hospital Infection Control. In: Patrick DM, Saatchi A, editors. Public Health Intervention For The Covid-19 Pandemic: From Virus To Vaccine. World Scientific; 2022 Mar 11. p.185-211.



Initiatives in Progress

Dr. Firoz Miyanji

- 1. Topical Tranexamic Acid in Major Pediatric Spine Deformity Surgery: A Randomized Controlled Trial.
- 2. FUTURE: Fusionless Treatment of Idiopathic Scoliosis with the Scoli-Tether System During the Growth Period.
- 3. Serum Metal Ion Levels Post Multi-Level Spine Surgery.
- 4. Non-Fusion Spinal Deformity Correction in Idiopathic Scoliosis A prospective, multi-center registry study of the Harms Study Group.
- 5. A Prospective, Multi-center Database Registry of Scoliosis Outcomes in AIS (Op and Non-op).
- 6. A Prospective, Multi-center Database Registry of Early Onset Scoliosis.
- 7. A Prospective, Multi-center Database Registry of Scoliosis Outcomes in Cerebral Palsy (Op and Non-op).
- 8. Retrospective Multi-center Study of the Outcomes of Anterior Vertebral Body Tethering for Spinal Deformity Correction in Idiopathic Scoliosis.
- 9. Post-operative Motion Analysis following Vertebral Body Tethering
- 10. Comparative Analysis of post-op motion between PSIF and Vertebral Body Tethering.

Dr. Andrea Simmonds

- PedSAVES Adverse Events Collection System: Project aims to transform the adverse events collection systems developed in Canada (SAVES and OrthoSAVES) into paediatric-specific systems and implement a prospective collection system at BCCH
- 2. Adolescent Idiopathic Spine Patient: Lived Experiences Project: Qualitative study in conjunction with UBC School of Nursing to describe experiences of patients in the scoliosis program, and use this information to enact meaningful change.
- 3. Nasal Decolonization in Idiopathic Scoliosis Patients: Proof of Concept Study: The first study to evaluate the nasal flora of patients undergoing scoliosis surgery before and after nares photosensitization, which has been shown to be effective in adults at preventing infection.



DIVISION OF PEDIATRIC OTOLARYNGOLOGY

2022-2024



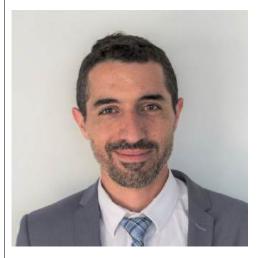
FACULTY MEMBERS



Neil K Chadha Division Head Clinical Professor



Dr. Frederick Kozak Clinical Professor



Dr. Amjad Tobia Clinical Assistant Professor



Dr. Jeffrey Ludemann Clinical Professor



Dr. Kiersten Pianosi Clinical Instructor



Dr. Mark Felton Clinical Assistant Professor

Staff

Emily Wong- Reception/Registration Clerk

Dr. Lilibeth MillerRegistration ClerkAbigail NguyenRegistration ClerkAury LauretaRegistration ClerkKristy ScarcelliRegistration ClerkRachel AlforqueRegistration Clerk

Kelly Tran Casual ENT Registration Clerk

Aisa McGovernAdmin SecretaryFainess MwakisimbaResearch Coordinator

Elisa NguyenENT NurseRachel SolivenENT NurseKaitlyn KhoENT Nurse

Highlights and Achievements

Name	Highlights/Achievements
Dr. Kiersten Pianosi	Director for CME
Dr. Frederick Kozack	Retiring on June 2024



Teaching Activities

Fellows Supervised

Name Country of Origin Pates Subervises	Name	Country of Origin	Dates Supervised
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Amjad TobiaIsraelJuly 01 2021- June 30, 2022Jason PowellUKJuly 01, 2022- June 30, 2023Khia Josina DuncanJamaicaJuly 01, 2023- June 30, 2024

Residents Supervised

Name	PGY	Dates Supervised
Teffran Chan	PGY 5	Apr 2022 to Mar 2024
Laura Allen	PGY 5	Apr 2022 to Mar 2024
Abhi Cherukupalli	PGY 4	Apr 2022 to Mar 2024
Alice Liu	PGY 4	Apr 2022 to Mar 2024
Connor Holmes	PGY 4	Apr 2022 to Mar 2024
Kaishan Aravinthan	PGY 4	Apr 2022 to Mar 2024
Brendan McNeely	PGY 3	Jul 2022 to Mar 2024
Matthew Early	PGY 3	Jul 2022 to Mar 2024
Anne Thielmann	PGY 2	Jul 2023 to Mar 2024
Richard He	PGY 2	Jul 2023 to Mar 2024
Austin Heffernan	PGY 2	Jul 2023 to Mar 2024
Alexander Moise	PGY 1	July 2024 to
Emily Oulousian	PGY 1	July 2024 to

Students Supervised

Name	Student Type	Dates Supervised
Carmen Huang	MD, FLEX	June 2022 – August 2022
Meghan He	MD, FLEX	June 2023 – December 2023
UBC Medical Students	MD	Apr 2022 to Mar 2024

Scholarly & Professional Activities

Presentations/Lectures

Name	Highlights/Achievements
Name Dr. Neil Chadha	Invited presentations 1. Piriform fossa sinus tract lesions. European Society of Pediatric Otolaryngology, April 2023, Liverpool, United Kingdom 2. Vascular anomalies round-table: Injection sclerotherapy. European Society of Pediatric Otolaryngology, April 2023, Liverpool, United Kingdom Peer-reviewed presentations 1. Xiao J, Allen L, Deane EC, Chadha NK. Non-Cosmetic Applications of Dermal Filler in the Head and Neck: A Systematic Review. American Head and Neck Society, COSM, Chicago, May 2024. 2. Alkusayer GM, Sabr Y, Parker H, Liauw J, Basso M, Felgar E, Pike K, Osiovich H, Baird R, Joharifard S, Morrison C, Chadha NK, Lim K. Enhancing Maternal and Neonatal Outcomes Through the ACTIONS: A Multidisciplinary Approach to Complex Fetal Anomalies. 2024 OBGYN Academic Day, Vancouver, April 2024. 3. Luo J, Pang S, West N, Robillard JM, Page PM, Chadha NK, Gan H, Ridgway R, Broemling N, Görges M. Exploring Parental Perspectives on Pediatric Surgical Recovery: Insights from Qualitative Analysis Neil K Chadha of 13 19 Apr 1, 2024of Free-text Comments in a Postoperative Survey. Pharmacology & Therapeutics (APT) Research Day, Vancouver, May 2024. 4. Luo J, Pang S, West N, Robillard JM, Page PM, Chadha NK, Gan H, Ridgway R, Broemling N, Görges
	 Luo J, Pang S, West N, Robillard JM, Page PM, Chadha NK, Gan H, Ridgway R, Broemling N, Görges M. Pediatric Pain Prediction: assessment of preoperative risk factors can be used to predict significant postoperative pain. 2024 IARS and SOCCA Annual Meeting, Seattle, WA, May 2024. McNeely B, Garland K, VolfbeynM, Bucevska M, Tuen YJ, Arneja J, Chadha NK. Does Timing Matter? Early vs. Late Tympanostomy Tube Placement in Infants with Cleft Lip and Palate: A Pilot RCT. ACPA 2024 Annual Meeting, Denver, Colorado, April 2024. He M, Huang CC, Darling M, Tobia A, Pauwels J, Chadha NK. Predicting Nasopharynx Distance in Children: A Pilot Study. 2024 Western Medical Research Conference Carmel, California, January 2024.
	7. MacDonald J, Baird R, Chadha NK. An Exploratory evaluation of Pediatric Surgical Thyroid Disease in Canada. Canadian Association Of Paediatric Surgeons Annual Meeting, Ottawa, September 2023.

- 8. Powell J, **Chadha NK**, Felton M. The Cochlear Asia Osseointegrated Steady-state Implant to treat conductive hearing loss in children. European Society of Pediatric Otolaryngology, Liverpool, UK, April 2023.
- 9. Tobia A, Luque CG, Leitmeyer K, Dorling M, **Chadha NK**. Endoscopic Treatment in Pediatric Patients with Recurrent and H-type Tracheoesophageal Fistulas a Systematic Review and Meta-Analysis. ASPO Annual Meeting, Dallas, Texas, June 2023.
- 10. Booth L, Felton M, **Chadha NK**. Assessing the Impact of COVID-19 Precautions on Classroom Communication for Adolescents with Hearing Loss: A Qualitative Study. Canadian Society of Otolaryngology Head and Neck Surgery Annual Meeting, Vancouver, October 2022.
- 11. Hefferman A, Chadha R, Lalande A, MacNeill A, **Chadha NK**. Carbon Savings Potential of Incorporating Virtual Care into the Surgical Management of Obstructive Sleep Apnea and Otitis Media with Effusion, Canadian Society of Otolaryngology Head and Neck Surgery Annual Meeting, Vancouver, October 2022.
- 12. Ban Y, McNeely B, Felton M, **Chadha NK**. Safety and Efficacy of Three-dimensional Endoscopy in Otolaryngology Surgery: A Systematic Review. American Society of Pediatric Otolaryngology Annual Meeting, Dallas, May 2022.
- 13. Liu AQ, Grau C, Pauwels J, Leitmeyer K, **Chadha NK**. Transcutaneous Bone Conduction Hearing Implant in Unilateral Aural Atresia: A Long Term Follow-up on Patient Reported Outcomes. American Society of Pediatric Otolaryngology Annual Meeting, Dallas, May 2022.

Dr. Jeffrey Ludemann

- 1. CSO Pediatric Study Group Meeting by Zoom in 2022 and 2023
- 2. CSO Pediatric Study Group Meeting May 31, 2024, Montreal
- 3. 14th McGill International Pediatric Otolaryngology Congress, Sept 20, 2021, May 5, 2022, April 27, 2023 and April 25, 2024
- 4. BCOS Meeting, April 9-10, 2022
- 5. Canadian Society of Otolaryngology Annual Meeting, Vancouver, Oct 1-3, 2022
- 6. American Academy of Otolaryngology Head and Neck Surgery, Nashville, Oct 1-3, 2023

Invited meetings.

- Supervision of Otolaryngology Portion of BCCH Pediatrics Grand Rounds: Profound Tracheomalacia from Intratracheal Lymphangiectasis in Newborn with Noonan Syndrome: Novel Therapy with Trametinib, January 20, 2023, Tobia, A, Ludemann J, Kieran E, Turvey S, Lehman A, Rathgeber, S, Rayment J.
- Aerodigestive Foreign Body Management (lecture and practical equipment demonstration), UBC Aesthesia / Otolaryngology Airway Day, Nov 1, 2023
- 3. Update on Choking Prevention and Instrumentation for Removing Aerodigestive Foreign Bodies (Invited Panelist, Workshop #12 Addressing Challenging Aerodigestive Foreign Bodies; Jeffrey Yeung,

	Chair), Canadian Society of Otolaryngology Annual Meeting, Vancouver, Oct 2, 2022
Dr. Kiersten Pianosi	 Conferences British Association of Paediatric Otolaryngology (BAPO) 2022 Bristol UK European Society of Pediatric Otorhinolaryngology (ESPO) 2023 Liverpool UK Johnson K, Pianosi K, Sie K. Pediatric obstructive sleep apnea: beyond T&A. January 27, 2024. Northwest Academy of Otolaryngology, British Columbia Otolarngology Society Conference; Whistler, BC. Panel member. Pianosi K, Kumar S, Sutton L, Hartley B, Wyatt M. Endoscopic repair of type 1 laryngeal clefts: the Great Ormond Street Experience. May 2023. European Society of Paediatric Otolaryngology; Liverpool, UK. Sutton L, Pianosi K, Wyatt M, Hartley B, Hewitt R, Butler C. The management of long laryngeal clefts: a 22 year single institution experience. May 2023. European Society of Paediatric Otolaryngology; Liverpool, UK
Dr. Amjad Tobia	 76th Annual Meeting of the Canadian Society of Otolaryngology Head and Neck Surgery "Planetary Health – Changing the Way We Operate", Vancouver, Canada. Oct 2022 ASPO at COSM Annual Meeting, Boston, USA. May 2023 Northwest Academy of Otolaryngology and BC otolaryngology Society – NWAO and BCOS annual meeting, Whisler, BC, Canada: 2024 Courses: Techniques in Robotic and Exoscopic - Assisted Cochlear Implantation Course. Mass. Eye and Ear, Boston. May 2023 PHSA PQI (Physician Quality Improvement), Cohort 7, Vancouver, BC. 2023-2024 8th Annual Pediatric Endoscopic and Open Airway Surgical Course, Children's National, Washington, DC. 2024 Cochlear America's Surgical Temporal Bone Course, Denver, CO. 2024
Dr. Mark Felton	 Powell J, Chadha NK, Felton M. The Cochlear Asia Osseointegrated Steady-state Implant to treat conductive hearing loss in children. European Society of Pediatric Otolaryngology, Liverpool, UK, April 2023. Booth L, Felton M, Chadha NK. Assessing the Impact of COVID-19 Precautions on Classroom Communication for Adolescents with Hearing Loss: A Qualitative Study. Canadian Society of Otolaryngology Head and Neck Surgery Annual Meeting, Vancouver, October 2022. Ban Y, McNeely B, Felton M, Chadha NK. Safety and Efficacy of Three-dimensional Endoscopy in Otolaryngology Surgery: A Systematic Review. American Society of Pediatric Otolaryngology Annual Meeting, Dallas, May 2022.



Grants/Funding Received

Granting Agency	Title	COMP	\$ Per Year	Year	Principle Investigator	Co- Investigator(s)
Evidence to Innovation Seed Grant	Smartphone OSA study	С	\$10,000 (total grant	03/2023 to 03/2025	Dr. Amjad Tobia	Dr. Neil Chadha
			amount)			

Committee Participation

Name	Committee
Dr. Neil Chadha	International ASPO Annual Meeting Program Committee, May 2020-June 2023 International Editorial Board, Clinical Otolaryngology, March 2016-present National/Provincial CSO-HNS Polyquin Research Competition Judge 2022-2024 University UBC Pediatric Otolaryngology Fellowship Director, July 2011-present UBC Otolaryngology Resident Competency Committee, 2018-present UBC Otolaryngology Executive Committee, 2012-present UBC Otolaryngology Research Committee, 2010-present UBC Otolaryngology Fellowship Committee, 2010-present Chair of BC Children's Complex Aerodigestive Team, 2019-present Chair of BC Children's Hospital Foundation Steering Committee, 2020- present BC Children's Surgical Cabinet, 2018-present BC Children's Airway Committee, 2016-present Director of Pediatric Otolaryngology Research, July 2010-present
Dr. Kiersten Pianosi	Resident Program Committee 2023/24 (present) Site Lead, BC Children's Paediatric ENT 2023/24 (present) CaRMS Interview Committee January 2024



Publication Records

Dr. Nail Chadha 1. Tobia A, Cherukupalli A, Liu AQ, Chadha NK. Minimis Management of Neonatal Piriform Fossa Sinus Tract Review. Laryngoscope. 2024 Jun;134(6):2585-2591. 10.1002/lary.31231. Epub 2023 Dec 16. Review. Put 38102925. 2. Booth L, Pauwels J, Chadha NK, Felton M. "A lonely and hard of hearing kids": A qualitative study of the pandemic precautions on classroom communication adolescents with hearing loss. Int J Pediatr Otorhino 2024 Jun;181:111989. doi: 10.1016/j.ijporl.2024.11: 2024 May 23. PubMed PMID: 38805933. 3. Ban Y, Mcneely B, Chadha NK, Felton M. Safety and three-dimensional versus two-dimensional endosco otolaryngology surgery and training: A systematic re Otolaryngology surgery and training: A systematic re Otolaryngol. 2024 May 12;. doi: 10.1111/coa.14171 of print] Review. PubMed PMID: 38735751. 4. Heffernan A, Lalande A, Chadha R, MacNeill A, Chad Carbon savings potential of virtual care in obstructive apnea and otitis media with effusion. Laryngoscope Otolaryngol. 2024 Apr;9(2):e1221.doi: 10.1002/lio2. eCollection 2024 Apr;9(2):e1221.doi: 10.1002/lio2. eCollection 2024 Apr;9(2):e1221.doi: 10.1002/lio2. eCollection 2024 Apr;9(1):e1221.doi: 10.1002/lio2. eCollection 2024 Apr;9(1):e1221.doi: 10.1002/lio2. eCollection 2024 Apr;9(1):e1221.doi: 10.1002/lio2. eCollection 2024 Apr. PubMed PMID: 38623079; Pu PMCID: PMC11017970. 5. Cottrell J, Mamavarian A, Yip J, Campisi P, Chadha N, Hong P, Lachance S, Leitao D, Nguyen LHP, Saunder: Strychowsky J, Yunker W, Vaccani JP, Chan Y, de Aln Eskander A, Witterick IJ, Monteiro E. Proposed Qual for Aspects of Pediatric Acute Otitis Media Manager Otolaryngol Head Neck Surg. 2024 Jan-Dec;53:19160216241248538. doi: 10.1177/1916021 PubMed PMID: 3888942; PubMed Central PMCID: PMC11098001. 6. Payandeh JE, Motamed M, Kirubalingam K, Chadha Dysfunction in Children: A Scoping Review. Otolaryn Neck Surg. 2023 Dec;169(6):1399-1408. doi: 10.100. Epub 2023 Jul 14. Review. PubMed PMID: 3744942(7). McNeely BD, Fitzpatrick N, Leitmeyer K, Pauwels J, Gurgeon perspecti	at: A Scoping . doi: bMed PMID: I time for deaf e impact of n for colaryngol. 1989. Epub I efficacy of copy in eview. Clin L. [Epub ahead I hand NK. Ve sleep e Investig L. 1221. LibMed Central NK, Damji A, ss N, meida JR, lity Indicators ment. J 16241248538. I NK. Olfactory ngol Head Oz/ohn.415. O. Chadha NK. copy in Otolaryngol. Epub 2023 Aug I ders JW, Ow

- J, Ansley J, Yen DM, **Chadha NK**, Murray MT, Kozak FK, York C, Brown DM, Grunstein E, Sprecher RC, Sherman DA, Schoem SR, Puchalski R, Hills S, Harfe D, England LJ, Syms CA, Lustig LR. Two-Year Outcomes After Pediatric In-Office Tympanostomy Using Lidocaine/Epinephrine Iontophoresis and an Automated Tube Delivery System. Otolaryngol Head Neck Surg. 2023 Sep;169(3):701-709. doi: 10.1002/ohn.336. Epub 2023 Apr 1. PubMed PMID: 37003297.
- 9. Luu K, Sidhu R, **Chadha NK**, Eva KW. An exploration of "real time" assessments as a means to better understand preceptors' judgments of student performance. Adv Health Sci Educ Theory Pract. 2023 Aug;28(3):793-809. doi: 10.1007/s10459-022-10189-5. Epub 2022 Nov 28. PubMed PMID: 36441287.
- Tobia A, Luque CG, Leitmeyer K, Dorling M, Chadha NK.
 Endoscopic treatment in pediatric patients with recurrent and H-type tracheoesophageal fistulas A systematic review and meta-analysis. Int J Pediatr Otorhinolaryngol. 2023 May;168:111541. doi: 10.1016/j.ijporl.2023.111541. Epub 2023 Mar 31. PubMed PMID: 37043961.
- 11. Luque CG, Liu AQ, Pauwels J, Leitmeyer K, **Chadha NK**. Patient reported outcome measures in unilateral aural atresia treated using a transcutaneous bone conduction implant (The Cochlear Baha Attract®). Int J Pediatr Otorhinolaryngol. 2023 Feb;165:111451. doi: 10.1016/j.ijporl.2023.111451. Epub 2023 Jan 12. PubMed PMID: 36649663.
- Wood MD, West NC, Sreepada RS, Loftsgard KC, Petersen L, Robillard JM, Page P, Ridgway R, Chadha NK, Portales-Casamar E, Görges M. Identifying Risk Factors, Patient-Reported Experience and Outcome Measures, and Data Capture Tools for an Individualized Pain Prediction Tool in Pediatrics: Focus Group Study. JMIR Perioper Med. 2022 Nov 15;5(1):e42341. doi: 10.2196/42341. PubMed PMID: 36378509; PubMed Central PMCID: PMC9709673.
- 13. Fernandes S, Yeung P, Heran M, Courtemanche D, **Chadha N**, Baird R. Sclerosing agents in the management of lymphatic malformations in children: A systematic review. J Pediatr Surg. 2022 May;57(5):888-896. doi: 10.1016/j.jpedsurg.2021.12.056. Epub 2022 Jan 14. PubMed PMID: 35151497.
- 14. Tshuma M, **Chadha NK**, Lee AF, Bray H. Piriform fossa sinus tract a 15-year retrospective review with a focus on atypical neonatal presentations. Pediatr Radiol. 2022 May;52(5):883-891. doi: 10.1007/s00247-021-05245-y. Epub 2022 Jan 14. PubMed PMID: 35028679.
- 15. Sorichetti BD, Pauwels J, Jacobs TB, **Chadha NK**, Kozak EL, Kozak FK. High frequency of otolaryngology/ENT encounters in Canadian primary care despite low medical undergraduate

	experiences. Can Med Educ J. 2022 Mar;13(1):86-89. doi: 10.36834/cmej.72328. eCollection 2022 Mar. PubMed PMID: 35291454; PubMed Central PMCID: PMC8909819. 16. Pauwels J, Lu DYD, Kozak FK, Chadha NK . Spontaneous Resolution of Ear Lidding in Newborns: A Prospective Observational Cohort Study. J Craniofac Surg. 2022 Mar-Apr 01;33(2):e141-e143. doi: 10.1097/SCS.0000000000008129. PubMed PMID: 34636759.
Dr. Amjad Tobia	 Tobia A, Cherukupalli A, Liu A, Rahmanian R, Chadha N. Minimally Invasive Management of Neonatal Piriform Fossa Sinus Tract: a scoping review. The Laryngoscope. 2024 Jun;134(6):2585-2591. doi: 10.1002/lary.31231. PubMed PMID: 38102925. Tobia A, Luque CG, Leitmeyer K, Dorling M, Chadha NK. Endoscopic treatment in pediatric,patients with recurrent and H- type tracheoesophageal fistulas - A systematic review and meta- analysis. Int J Pediatr Otorhinolaryngol. 2023 Mar 31;168:111541. doi: 10.1016/j.ijporl.2023.111541. PubMed PMID: 37043961. Liu AQ, Kotadia N, Tobia A, Rayment JH, Whyte S, Felton M. Tracheal inflammatory myofibroblastic tumor presenting as an obstructive pediatric foreign body. Clin Case Rep. 2022 Dec 2;10(12). doi: 10.1002/ccr3.6583.
Dr. Mark Felton	 Booth L, Pauwels J, Chadha NK, Felton M. "A lonely time for deaf and hard of hearing kids": A qualitative study of the impact of pandemic precautions on classroom communication for adolescents with hearing loss. Int J Pediatr Otorhinolaryngol. 2024 Jun;181:111989. doi: 10.1016/j.ijporl.2024.111989. Epub 2024 May 23. PubMed PMID: 38805933. Ban Y, Mcneely B, Chadha NK, Felton M. Safety and efficacy of three-dimensional versus two-dimensional endoscopy in otolaryngology surgery and training: A systematic review. Clin Otolaryngol. 2024 May 12;. doi: 10.1111/coa.14171. [Epub ahead of print] Review. PubMed PMID: 38735751. Liu AQ, Kotadia N, Tobia A, Rayment JH, Whyte S, Felton M. Tracheal inflammatory myofibroblastic tumor presenting as an obstructive pediatric foreign body. Clin Case Rep. 2022 Dec 2;10(12). doi: 10.1002/ccr3.6583.

Dr. Kiersten Pianosi	 Sutton L, Maughan E, Pianosi K, et al. Open and Thoracoscopic Aortopexy for Airway Malacia in Children: 15 Year Single Centre Experience. Journal of Ped Surg. Published online October 18, 2023. doi:10.1016/j.jpedsurg.2023.10.016 Elder E, Pianosi K, Lawlor CM, Graham ME. Supporting Lactation in Otolaryngology Patients Through Medication Optimization, Radiology Considerations, and More: A Literature Review. JAMA Otolaryngol Head Neck Surg. Published online August 11, 2022. doi:10.1001/jamaoto.2022.2286
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Initiatives in Progress

Name	Initiative
Dr. Jeffrey Ludemann	 http://www.dontchoke.ubc.ca/: Review of Regular Triune Tympanostomy Tubes (Duration of Function and Complications) at BC Children's Hospital (2012-2024)
Dr. Amjad Tobia	What are the key demographic, clinical, and psychosocial parameters that differentiate cochlear implant candidates who have accepted the procedure from those who have declined it in the last 10 years at BC Children's Hospital?
Dr. Mark Felton	A case series of CochlearTM Osia®2 osseointegrated steady-state implant systems to treat hearing loss in children
Dr. Kiersten Pianosi	To what extent does the implementation of a specialized tracheostomy respiratory therapist role impact the levels of parental and staff comfort with tracheostomy care and management for pediatric patients on discharge and pre-operatively from BC Children's Hospital, as assessed pre and post-intervention?

DIVISION OF PEDIATRIC PLASTIC SURGERY

2022-2024



FACULTY MEMBERS



Dr. Douglas J. Courtemanche Division Head of Plastic Surgery



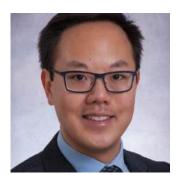
Dr. Jugpal Arneja Plastic Surgeon



Dr. Erika Henkelman Plastic Surgeon



Dr. Sally Hynes
Plastic Surgeon



Dr. Terence Kwan-Wong Plastic Surgeon

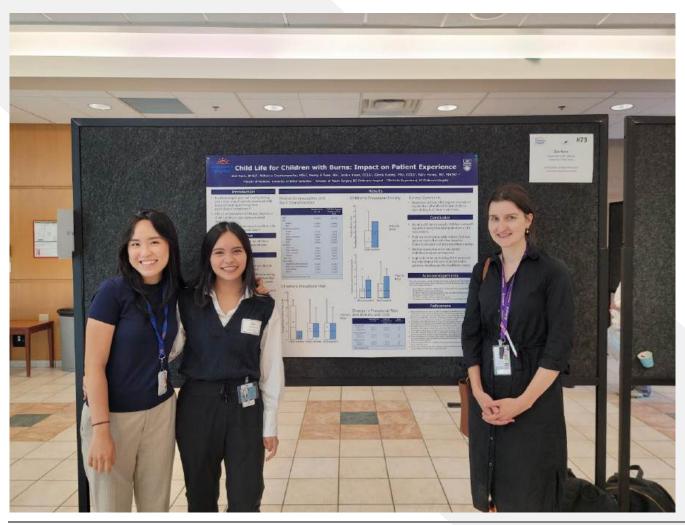


Dr. Saoussen Salhi Plastic Surgeon

Staff Members

Name Title

Andrew Huang	Locum for Dr. Jugpal Arneja
Nancy Manning	Vascular Anomalies Nurse Clinician
Norine Mayede	Administrative Supervisor
Rupinder Parhar	Medical Office Assistant
Tana Gray	Medical Office Assistant
Sandeep Nahal	Medical Office Assistant
Bernardine Trinidad	Medical Office Assistant
Mae Cascayan	Medical Office Assistant
Hima Rathod	Medical Office Assistant
Rebecca Courtemanche	Research Coordinator
Young Ji Tuen	Research Assistant
Sophia Shayan	Research Assistant



Highlights and Achievements

J. Arneja

Best Business Paper Award

Zhang Z, Calder L, Finestone PJ, Liu R, Bucevska M, Arneja JS. Medico-legal closed case trends in Canadian plastic surgery: A retrospective descriptive study. *Plast and Reconstr Surg.* 2021;9(8):e3754.

People's Choice Award

Karpinski M, Tuen YJ, Arneja J. Quality of Life after Surgery for Adolescent Gynecomastia. BCCH Research Institute Summer Student Program. June 29,

2023; Vancouver, British Columbia

T. Kwan-Wong

University of British Columbia Division of Pediatric Emergency Off-Service Teacher of the Year (2022)

D. Courtemanche

Best Presentation

Heo K, Pyo C, Duan A, Tuen YJ, Courtemanche R, Courtemanche D. Sustainable Healthcare, Carbon Footprint of Virtual and In-person Visits at BCCH. 2023 BCCH Research Institute Evidence-to-Innovation Fall Forum. November 21, 2023; Vancouver, British Columbia.



Teaching Activities

Fellows Supervised

Name	Country of Origin	Dates Supervised
Becky Hartley	Canada	July 1, 2021 – June 30, 2022
Julie Beveridge	Canada	July 1, 2022 – June 30, 2023
Katie Garland	Canada	July 1, 2023 – June 30, 2024

Residents Supervised

Name	PGY	Dates Supervised
Ahmed Al Hosni	PGY 3, PGY 4, PGY 5	March 14 – April 10, 2022, February 13, 2023 – April 9, 2023 August 30 – September 26, 2023
Zach Zhang	PGY 4, PGY 5	April 11 – May 8, 2022, July 1 - August 1, 2022
Peter Mankowski	PGY 4, PGY 5	May 9 – Jun 30, 2022, August 29 – September 25, 2022
Mike Carr	PGY 4, PGY 5	December 19, 2022 – February 12, 2023, March 14 – May 8, 2024
Trina Stephens	PGY 4, PGY 5	April 10 – June 4, 2023, November 22, 2023 – January 16, 2024
Travis Gordon	PGY4	July 1 – August 2, 2023
Paige Knight	PGY4	October 25 – November 21, 2023, January 17 – February 13, 2024

Students Supervised

Name	Student Type	Dates Supervised
Barinder (Beenu) Bajwa	Med 1 (FLEX; SSRP), Med 2 (FLEX)	April 25 - July 29, 2022, April 24 – May 12, 2023
Casey Li	Med 1 (FLEX; SSRP)	April 25 - July 29, 2022
Carmen Huang	Med 1 (FLEX)	April 25 – May 3, 2022
Madeleine Chen	High School (volunteer)	August 1 – 31, 2022
Emma Hoglund	Undergraduate (SSRP)	May 5 – August 12, 2022
Michael Moreton	Med 3 (volunteer)	November 4 – December 16, 2022
Davy Lau	Undergraduate (OPSEI)	May – August 2022
Mila Radosavljevic	Undergraduate (Volunteer)	October 24, 2022 – April 11, 2024
Kayoung Heo	Med 3 BSc (SSRP)	June 1 – June 31, 2023
Meghan He	Med 1;2 (Volunteer; FLEX)	June 5 – June 9, 2023; August 28 2023 –
		May 3, 2024
Frances Scheepers	Med 2 (FLEX)	August 28 2023 – May 3, 2024
Gabriel Kuper	Med 2 (Volunteer)	May 11 – May 31, 2023

Norbert Banyi Med 1 (SSRP) May 1 – June 23, 2023
Theresa Buchel Undergraduate (SSRP) May 1 – June 23, 2023
Marta Karpinski Med 3 (SSRP) June 5 -August 11, 2023
Adrianna Paiero Med 1 (FLEX) April 24 – June 2, 2023
Madeline Chen High School (internship) July 24 – August 18, 2023

Sara Sheikh-Oleslami Med 3 (SSRP; Research Elective) June 1 – June 31, 2023; November 6-18, 2023

Zoe KoreMed 1 BSc (FLEX & SSRP)April 24 – July 31, 2023Rachel CardeyMed 1 BSc (FLEX; SSRP; FLEX)April 24 – July 28, 2023Mila RadosavljevicUndergraduate (Volunteer)October 24, 2022 – April 11, 2024

Yaseen Mandoub Undergraduate (Volunteer) October 24, 2022 – April 11, 20 Yaseen Mandoub Undergraduate (Volunteer) June 12, 2023 - April 5, 2024



Scholarly & Professional Activities

FIES	entations/ Lectures
D. Courtemanche	Loock C, Fisher E, Robertson S, Courtemanche D, Lau W, Lisa A. Ponton E. COVID Check-in: optimizing cleft and craniofacial team care during COVID 19 using an on-line social pediatrics screening instrument. ACPA 1 Apr 2022, Fort Worth, TX.
D. Courtemanche	Courtemanche DJ. The outcome of teaching, 21 September 2022. University of Saskatchewan, Department of Surgery Education Awards Dinner.
D. Courtemanche	Courtemanche DJ. Surgery for Planetary Health. 22 September 2022 University of Saskatchewan, Department of Surgery – Provincial Grand Rounds.
D. Courtemanche	Courtemanche DJ. Planetary Health. 3 rd year UBC Surgery Block. Since 2022 – present (once every 12 weeks)
D. Courtemanche	Hoglund E, Tuen YJ, Courtemanche D. Environmental Impact of Healthcare Grounds: Preliminary Steps for Estimation. E2i Fall Research Forum. November 18, 2022; Vancouver, British Columbia.
D. Courtemanche	Hoglund E, Tuen YJ, Courtemanche D. Environmental Impact of Healthcare Grounds: Preliminary Steps for Estimation. Office of Pediatric Surgical Evaluation and Innovation Rounds. January 3, 2023; Vancouver, British Columbia.
J. Arneja	ISSVA World Congress: Session PC3 (Moderator and Speaker). International Society for the Study of Vascular Anomalies, Vancouver, BC – May 2022
J. Arneja	ISSVA World Congress: Session 10 (Moderator). International Society for the Study of Vascular Anomalies, Vancouver, BC – May 2022
J. Arneja	Banyi N, Baweja S, Tuen Y, Bucevska M, Arneja JS. How "Academic" is ISSVA? Characterization of the Conversion of Meeting Presentation to Publication from the 2016 and 2018 ISSVA Workshops. International Society for the Study of Vascular Anomalies World Congress, May 10-13, 2022; Vancouver, British Columbia.

Pediatric Plastic Surgery

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J. Arneja	Jin Y, Ding Y, Shechter S, Arneja JS. Does Delay Stimulate Speedup? Evidence from Operating Rooms. 2022 CORS/INFORMS International Conference, June 5-8, 2022; Vancouver, British Columbia.
Dr. Arneja	UBC Division of Plastic Surgery Grand Rounds: Academic Fund Winner Presentations, Vancouver, BC (Virtual event)
Dr. Arneja	UBC Orthodontics: Core Quest - Orthodontics and Cleft Lip and Palate, Vancouver, BC (2021 & 2022)
Dr. Arneja	ISSVA Online Workshop, Session 5 (Moderator), International Society for the Study of Vascular Anomalies, (Virtual Event)
Dr. Arneja	Pediatric Tumors of the Head and Neck (Invited Panellist), American Society of Plastic Surgery (ASPS) Annual Meeting, Austin, TX (Virtual Event)
Dr. Arneja	Operations & Leadership: Cohort 14, Module 3, Physician Leadership Program, Sauder School of Business, Vancouver, BC (Virtual Event)
Dr. Arneja	Operations & Leadership: Cohort 15, Module 3, Physician Leadership Program, Sauder School of Business, Vancouver, BC (Virtual Event)
Dr. Arneja	UBC Grand Rounds: Rare & Interesting Cases (with Dr. A. MacNeily, Urology)
Dr. Arneja	British Columbia Children's Hospital, Pediatric ENT Academic Half Day, Head and Neck Vascular Anomalies, Vancouver, BC
Dr. Arneja	Operations & Leadership: Cohort 16, Module 3, Physician Leadership Program, Sauder School of Business, Vancouver, BC (Virtual Event)
J. Arneja	Buchel, A, Wells-Durand, E, Bucevska, M, Courtemanche, R, Staples, J, Thomson, R, Courtemanche, DJ, Palm, S, Gibson, T, Loo, A, Arneja, JS. Burden of Care for Patients with Cleft Lip and Palate. Plastic Surgery Research Council 67th Annual Meeting, June 8-12, 2022; Toronto, Ontario.
J. Arneja	Buchel, A, Wells-Durand, E, Bucevska, M, Courtemanche, R, Staples, J, Thomson, R, Courtemanche, DJ, Palm, S, Gibson, T, Loo, A, Arneja, JS. Burden of Care for Patients with Cleft Lip and Palate. Canadian Society of Plastic Surgeons 75th Meeting, June 14-18, 2022; Quebec City, Quebec.
J. Arneja	Bajwa B , Zhang Z, Tuen, YJ, Arneja, J. The Environmental Impact of Ambulatory Surgical

J. Arneja	Centres Survey. BC Children's Hospital Research Institute Poster Day. July 28, 2022; Vancouver, British Columbia. British Columbia Children's Hospital, Pediatric Emergency Department: Suture Workshop, Vancouver, BC – August 2022
J. Arneja J. Arneja	Bajwa B, Zhang Z, Tuen, YJ, Arneja, J. The Environmental Impact of Ambulatory Surgical Centres Survey. Office of Pediatric Surgical Evaluation and Innovation Rounds. January 3, 2023; Vancouver, British Columbia. Bajwa B, Zhang Z, Tuen, YJ, Arneja, J. Environmental Impact of Ambulatory Surgical Centres Survey. 2023 Western Medical Research Conference. January 19-21, 2023; Carmel, California.
E. Henkelman E. Henkelman	Craniofacial for orthodontics – February 2023 Huang C, Hartley R, Henkelman E. External Validation of the Cleft Palate Pathway. University of Northern British Columbia (UNBC) Research Week. February 27-March 3, 2023; Prince George, British Columbia.
S. Hynes	Burn Education Day "Surgical management of the burn survivor" – April 2022
S. Hynes	Pediatric Burns Talk – June 2022
S. Hynes	Li C , Tuen YJ, Hynes S. The Impact of the COVID- 19 Pandemic on Pediatric Burn Injuries at BC Children's Hospital. Poster Presentation. The 8th Annual Canadian Burn Conference: October 21- 23, 2022; Halifax, Nova Scotia
S. Hynes	Canadian Burn Meeting "The Evolution of the BC Children's Hospital Burn Program – October 21- 23, 2022; Halifax, Nova Scotia
S. Hynes	Burn Education Day "Surgical management of the burn survivor" – November 2022
S. Hynes	Farrokhi A, Hynes S, Reid G. Identification of rejection-resistant fibroblasts for the improvement of transplantation outcomes and wound healing: Phase 2. Early wound healing experiments. E2i Fall Research Forum. November 18, 2022; Vancouver, British Columbia.
S. Hynes	Ethics Rounds (Moderator) – December 2022
S. Hynes D. Courtemanche	Academic Half Day Ear Carving – January 2023 Courtemanche DJ. Planetary Health. 3 rd year UBC Surgery Block. Since 2022 – present (once every 12 weeks)

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D. Courtemanche	Courtemanche DJ. Planetary Health. 14 September 2023 University of Ottawa, Department of Family Practice Resident Retreat.
D. Courtemanche	Heo K , Pyo C, Duan A, Tuen YJ, Courtemanche R, Courtemanche D. Sustainable Healthcare, Carbon Footprint of Virtual and In-person Visits at BCCH. 2023 BCCH Research Institute Evidence-to-Innovation Fall Forum. November 21, 2023; Vancouver, British Columbia.
D. Courtemanche	Ponton E, Singh T, Carwana M, Duffy D, Courtemanche R, Courtemanche D, Loock C, Baird R. Who is in Your Waiting Room? Social Determinants of Health and Adverse Childhood Experiences in Pediatric Surgery Clinics. UBC Department of Pediatrics Grand Rounds. December 15, 2023; Vancouver, British Columbia.
D. Courtemanche	Xu R, Bone J, Courtemanche R, Simmonds, MC, Cattoni E, Lauder G, Courtemanche D . Prescription factors contributing to new, longterm opioid use in opioid naïve patients in British Columbia: An analysis of outpatient opioid prescribing from 2013-2017. 2024 BCCH Research Institute Evidence-to-Innovation Research Day. February 21, 2024; Vancouver, British Columbia.
D. Courtemanche	He M, Courtemanche R, Shayan S, Nguyen T, Courtemanche D. Sirolimus for the Treatment of Vascular Anomalies in British Columbia, Canada. 2024 BCCH Research Institute Evidence-to- Innovation Research Day. February 21, 2024; Vancouver, British Columbia.
J. Arneja	Bajwa B , Zhang Z, Tuen, YJ, Arneja, J. How can Non-Hospital Surgical Centers Improve their Environmental Impact? Canadian Federation of Medical Students Spring General Meeting. April 14-15, 2023; Quebec City, Quebec.
J. Arneja	Bajwa B , Zhang Z, Tuen, YJ, Arneja, J. How can Non-Hospital Surgical Centers Improve their Environmental Impact? 2023 UBC Plastic Surgery Research Day. May 5, 2023; Vancouver, British Columbia.
J. Arneja	Zhang Z , ElHawary H, Oxley P, Gilardino M, Arneja J. What Impact Do Medicolegal Complaints Have on Canadian Plastic Surgeons? 2023 UBC Plastic Surgery Research Day. May 5, 2023; Vancouver, British Columbia.

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J. Arneja	Karpinski M , Tuen YJ, Arneja J. Quality of Life after Surgery for Adolescent Gynecomastia. BCCH Research Institute Summer Student Program. June 29, 2023; Vancouver, British Columbia
J. Arneja	Karpinski M, Tuen YJ, Arneja J. Quality of Life after Surgery for Adolescent Gynecomastia. BCCH Research Institute Summer Student Program Poster Day. July 27, 2023; Vancouver, British Columbia
J. Arneja	UBC/British Columbia Children's Hospital, Pediatric Emergency Department: Suture Workshop, Vancouver, BC – August 2023
J. Arneja	UBC ENT Academic Half Day, Head and Neck Vascular Anomalies, Vancouver, BC – September 2023
J. Arneja	How to Suture Like a Plastic Surgeon (Course) American Academy of Pediatrics (AAP) National Conference & Exhibition, Washington, DC – October 2023
J. Arneja	Operations & Leadership: Cohort 20, Module 3 Physician Leadership Program, Sauder School of Business, Vancouver, BC (Virtual Event) – December 2023
J. Arneja	Bajwa B, Zhang Z, Tuen, YJ, Arneja, J. How can Non-Hospital Surgical Centers Improve their Environmental Impact? 2023 Chung Research Day. November 6, 2023; Vancouver, British Columbia.
J. Arneja	Garland K, McNeely B, Volfbeyn M, Bucevska M, Tuen YJ, Chadha N, Arneja A. Does Timing Matter? Early vs. Late Tympanostomy Tube Placement in Infants with Cleft Lip and Palate: A Pilot RCT. 2023 Chung Research Day. November 6, 2023; Vancouver, British Columbia.
J. Arneja	Volfbeyn M, Garland K, McNeely B, Bucevska M, Tuen YJ, Chadha N, Arneja A. Does Timing Matter? Early vs. Late Tympanostomy Tube Placement in Infants with Cleft Lip and Palate: A Pilot RCT. 2023 BCCH Research Institute Evidence-to-Innovation Fall Forum. November 21, 2023; Vancouver, British Columbia.
J. Arneja	Paiero Keeler A, ElHawary H, Tuen YJ, Courtemanche R, Gilardino M, Arneja J. Predatory and Open Access Journal Publications among Canadian Plastic Surgery Residency Applicants. Office of Pediatric Surgical Evaluation and

	nnovation Rounds. January 2, 2024; Vancouver, British Columbia.
J. Arneja	Karpinski M , Tuen YJ, Arneja J. Quality of Life after Surgery for Adolescent Gynecomastia. Office of Pediatric Surgical Evaluation and Innovation Rounds. January 2, 2024; Vancouver, British Columbia.
J. Arneja	Buchel T, Banyi N, Courtemanche R, Tuen YJ, Shayan S, Arneja J. An Analysis of Publication Trajectory of Canadian Plastic Surgeons Across Decades of Practice. Office of Pediatric Surgical Evaluation and Innovation Rounds. January 9, 2024; Vancouver, British Columbia.
J. Arneja	Paiero Keeler A, ElHawary H, Tuen YJ, Courtemanche R, Gilardino M, Arneja J. Predatory and Open Access Journal Publications amoung Canadian Plastic Surgery Residency Applicants. 2024 Western Medical Research Conference. January 18-20, 2024; Carmel, California.
J. Arneja	Buchel T, Banyi N, Courtemanche R, Tuen YJ, Shayan S, Arneja J. An Analysis of Publication Trajectory of Canadian Plastic Surgeons Across Decades of Practice. 2024 Western Medical Research Conference. January 18-20, 2024; Carmel, California.
J. Arneja	Karpinski M, Tuen YJ, Arneja J. Quality of life after surgery for adolescent gynecomastia measured using the BODY-Q. 2024 BCCH Research Institute Evidence-to-Innovation Research Day. February 21, 2024; Vancouver, British Columbia.
J. Arneja	Buchel T, Banyi N , Courtemanche R, Tuen YJ, Shayan S, Arneja J. Publication Trajectories of Today's Canadian Academic Plastic Surgeons: A Bibliometric Analysis. 2024 BCCH Research Institute Evidence-to-Innovation Research Day. February 21, 2024; Vancouver, British Columbia.
J. Arneja	Paiero Keeler A, ElHawary H, Tuen YJ, Courtemanche R, Gilardino M, Arneja J. The Presence of Predatory and Open Access Journal Publications Among Canadian Plastic Surgery Residency Applicants. 2024 BCCH Research Institute Evidence-to-Innovation Research Day. February 21, 2024; Vancouver, British Columbia.

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J. Arneja	UBC Orthodontics: Core Quest - Orthodontics and Cleft Lip and Palate, Vancouver, BC – February 2024
J. Arneja	UBC Plastic Surgery Academic Half Day, Cleft Lip and Palate – Secondary Procedures and VPI, Vancouver, BC - March 2024
E. Henkelman	Mini-CRASH – August 2023
E. Henkelman	Craniofacial syndromes for ENT – November 2023
E. Henkelman	Craniosynostosis and craniofacial for plastics – December 2023
E. Henkelman	Embryology and cleft lip for plastics – December 2023
S. Hynes	Surgical Management of the Burn Survivor – presentation – April 2023
S. Hynes	Sheikh-Oleslami S., Tuen Y. J., Courtemanche R, Hynes S. (2024). A Review and Quality Assessment of TikTok Videos for Burn Education. 2023 American Burn Association Annual Meeting. May 16-19, 2023; Dallas, Texas.
S. Hynes	Kore Z, Courtemanche R, Tuen YJ, Nixon J, Kwong G, Shen Y, Knight P, Hynes S. Child Life Specialists for Pediatric Burn Wound Care. BCCH Research Institute Summer Student Program Poster Day. July 27, 2023; Vancouver, British Columbia
S. Hynes	Kore Z, Courtemanche R, Tuen YJ, Nixon J, Kwong G, Shen Y, Knight P, Hynes S. Child Life Specialists for Pediatric Burn Wound Care. Office of Pediatric Surgical Evaluation and Innovation Rounds. January 2, 2024; Vancouver, British Columbia.
S. Hynes	Kore Z, Courtemanche R, Tuen YJ, Nixon J, Kwong G, Shen Y, Knight P, Hynes S. Child Life Specialists for Pediatric Burn Wound Care. 2024 Western Medical Research Conference. January 18-20, 2024; Carmel, California.
S. Hynes	Academic Half Day Session "Cleft palate – procedures, obturators, orthodontics, and Bone Grafts" – January 2024
S. Salhi	Plastics Grand Rounds, "Journey to BCCH: Learning and challenges along the way" – December 2023
S. Salhi	Craniosynostosis Eduquick for BCCH T6 Nurses — January 2024
T. Kwan-Wong	Cardey R, Yin V, Courtemanche R, Tuen YJ, Shayan S, Kwan-Wong T. Restoring corneal sensation in children with Neurotrophic Keratopathy: A Systematic Review. 2023 BCCH

	Research Institute Evidence-to-Innovation Fall Forum. November 21, 2023; Vancouver, British Columbia.
T. Kwan-Wong	Cardey R, Yin V, Courtemanche R, Tuen YJ, Shayan S, Kwan-Wong T. Restoring corneal sensation in children with Neurotrophic Keratopathy: A Systematic Review. Office of Pediatric Surgical Evaluation and Innovation Rounds. January 2, 2024; Vancouver, British Columbia.
T. Kwan-Wong	Cardey R, Yin V, Courtemanche R, Tuen YJ, Shayan S, Kwan-Wong T. Restoring corneal sensation in children with Neurotrophic Keratopathy: A Systematic Review. 2024 Western Medical Research Conference. January 18-20, 2024; Carmel, California.
T. Kwan-Wong	Surgical Foundations – Essential Topics in Plastic Surgery – April 19 2023
T. Kwan-Wong	UBC Division of Pediatric Emergency Medicine – Hand and Soft Tissue Injuries – May 2023
T. Kwan-Wong	UBC Vancouver Summer Program – Introduction to the Specialty of Plastic Surgery – June 2023
T. Kwan-Wong	BC Children's Hospital Surgical Cluster Advanced Surgical Nursing Education Day – Tissue Expanders and Flap Reconstruction – June 2023
T. Kwan-Wong	Surgical Foundations – Essential Topics in Plastic Surgery - February 2024
K. Garland	OPSEI Academic Fellow Rounds Presentation – September 2023
K. Durlacher	Yu C, Hsin C, Tuen YJ, Courtemanche R, Holsti L, Durlacher K. The Prevalence of Learning Challenges in Brachial Plexus Birth Injuries. Canadian Association of Occupational Therapists Conference 2023. May 10-12, 2023; Saskatoon, Saskatchewan.
K. Durlacher	Yu C, Hsin C, Tuen YJ, Courtemanche R, Holsti L, Durlacher K. The Prevalence of Learning Challenges in Brachial Plexus Birth Injuries. Capstone Presentation of UBC OT Masters Program. July 25, 2023; Vancouver, British Columbia.

Grants and Funding Received

Granting Agency	Title	COMP	\$ Per Year	Year	Principle Investigator	Co- Investigator(s)
OPSEI SSRP	Environmental Impact of Healthcare Grounds	NC	\$ 4, 319	2022	D. Courtemanche	E. Hoglund
BCCHRI SSSRP	Improving Assessment and Training in Craniosynostosis	С	\$ 5,198	2022	E. Henkelman	D. Lau
UBC SSRP	Impact of the COVID-19 Pandemic on Pediatric Burn Injuries: A Cross- Sectional Study at a Canadian Tertiary Pediatric Hospital	С	\$ 3,200	2022	S. Hynes	C. Li
UBC SSRP	How can Non-Hospital Surgical Centres Improve their Environmental Footprint (and Reduce Costs)?	С	\$ 3,200	2022	J. Arneja	B. Bajwa, Z. Zhang
NIH	VPI-OPS (Velopharyngeal insufficiency following cleft palate repair: a comparative effectiveness study of existing surgical procedures and identification of criteria to guide a personalized treatment approach)	С	\$ 44, 414	2022	J. Arneja	E. Henkelman, S. Hynes S. Salhi T. Kwan-Wong
UBC Dept. of Surgery	Clinical Faculty Research Support Award	С	\$ 45, 000	2022	J. Arneja	-
UBC SSRP	Sustainable healthcare: Carbon footprint of virtual and in-person visits at a pediatric tertiary care center	С	\$ 1,400.0 0	2023	D. Courtemanche	K. Heo
OPSEI SSRP	Virtual (Zoom) Appointments for Children with Brachial Plexus Birth Injuries	NC	\$ 1,400.0 0	2023	S. Hynes	D. Bellow, S. Sheikh- Oleslami

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OPSEI SSRP	An Analysis of Publication Trajectory of Canadian Plastic Surgeons Across Decades of Practice	NC	\$ 6,400	2023	J. Arneja	N. Banyi, T. Buchel
BCCHRI SSRP	Quality of life measured using the BODY-Q after adolescent gynecomastia surgery: A cross-sectional analysis	С	\$ 3,150.0 0	2023	J. Arneja	M. Karpinski
BCCHRI SSRP	Restoring corneal sensation in children with neurotrophic keratopathy: A systematic review and case series	С	\$ 3,150.0 0	2023	T. Kwan-Wong	V. Yin, R. Cardey
BCCHRI - SSRP	Experience of burn dressing changes in the medical day unit: A quality improvement project	С	\$ 3,150.0 0	2023	S. Hynes	Z. Kore
BCCHRI - E2i	Buddy taping versus splinting for pediatric volar plate injuries: A pilot study	С	\$ 10,000. 00	2023	T. Kwan-Wong	K. Garland, J. Arneja, E. Henkelman, A. Huang, S. Hynes, S. Salhi
NIH	VPI-OPS (Velopharyngeal insufficiency following cleft palate repair: a comparative effectiveness study of existing surgical procedures and identification of criteria to guide a personalized treatment approach)	С	\$ 19, 044	2023	J. Arneja	E. Henkelman, S. Hynes S. Salhi T. Kwan-Wong
UBC Dept. of Surgery	Clinical Faculty Research Support Award	С	\$ 45, 000	2023	J. Arneja	-

Committee Participation

Dr. Courtemanche

- American Cleft Palate Craniofacial Association, Alliance Committee
- Canadian Society of Plastic Surgeons, Specialty Training Committee
- Canadian Society of Plastic Surgeons, Program Committee 2022
- ISSVA Local host committee 2022 Vancouver
- C&W Medical Staff Association Past President
- C&W Clinical Informatics Advisory Committee
- C&W Clinical Informatics Executive Group
- C&W Health Records Committee (Feb Apr 2022 acting chair)
- Cleft Palate Program Redesign Team
- C&W Health Records Committee
- BCCH Surgical Services Advisory Committee
- BCCH Surgical Cabinet
- Quality Assurance data management for M&M rounds, Division of Plastic Surgery
- Northern Health Authority Quality of Care and Credentialing Review and Report
- Nov 2022
- Abstract Review Committee, Canadian Society of Plastic Surgeons Scientific Meeting 2022
- VPP (VCH/PHC/PHSA) Provider Working Group
- VPP (VCH/PHC/PHSA) Medical Informatics Committee
- Abstract Review Committee, Canadian Society of Plastic Surgeons Scientific Meeting 2024

Dr. Arneja

- Chair, Executive Committee, American Association of Pediatric Plastic Surgeons (AAPPS)
- Chair, Executive Committee, American Association of Pediatrics, Section on Plastic Surgery (AAPSOPS)
- Medical Director, BCCH Burn Unit
- Chair, Local Organizing Committee, ISSVA 2022
- Abstract Review Committee, ISSVA World Congress 2022
- Abstract Review Committee, Canadian Society of Plastic Surgeons Scientific Meeting 2023
- Editor-In-Chief, *Plastic Surgery*
- Editor-In-Chief, *Plastic Surgery Case Studies*
- Department Clinical Faculty Appointment and Promotions Committee, Surgery, UBC
- Anastasia Global Care Fund Deliberations Committee (chair), BCCH/UBC OPSEI
- Department of Surgery Manpower Committee (Co-chair), BC Children's Hospital

Dr. Arneja	 Chair, Executive Committee, American Association of Pediatric Plastic Surgeons (AAPPS) Department of Surgery Manpower Committee (Co-chair), BC Children's Hospital
Dr. Salhi	 UBC Division of Plastic Surgery, Fellowship Director UBC Plastic Surgery competency committee
Dr. Henkelman	 UBC Plastic Surgery competency committee UBC Plastic Surgery residency program committee BCCH Sedation Working Group, CST

Publication Records

J. Arneja	Arneja JS, Gilardino MS. People have the power to be the change they want to see. <i>Plas Surg</i> . 2022;30(2):93-93.
C. Verchere	Yefet LS, Bellows D, Bucevska M, Courtemanche RJM, Durlacher K, Hynes S, Verchere CG. Shoulder rotation function following the Sup-ER protocol in children with brachial plexus injuries. <i>HAND</i> . 2022;17(3):549-557.
J. Arneja	ElHawary H, Bucevska M, Pawliuk C, Wang AM, Seal A, Gilardino M, Arneja JS. The presence of ghost publications among Canadian plastic surgery residency applicants: How honest are Canadians? <i>Plast Surg. 2022;30(2):159-163.</i>
J. Arneja	Carr M, Skarlicki M, Palm S, Bucevska M, Bone J, Gosain AK, Arneja JS. Through-and-through dissection of the soft palate for pharyngeal flap inset: A "Good-Fast-Cheap" technique for any etiology of velopharyngeal incompetence. <i>Cleft Palate Craniofac J.</i> 2022;59(6):785-793.
C. Verchere	Bjornson L, Van Slyke AC, Bucevska M, Courtemanche RJM, Bone J, Knox A, Verchere CG, Boyle JC. Something stinks! finding ways to manage noxious odours in the operating room and other clinical settings: A randomized controlled trial. <i>Plas Surg.</i> 2022;30(3)
J. Arneja	Kaur D, Arneja JS, Senger C, Chipperfield K, Lam J, Cheng S. Cutaneous precursor T-lymphoblastic lymphoma in a child. <i>Pediatr Blood Cancer</i> . 2022;69(9):e29635

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J. Arneja	Banyi N, Baweja S, Tuen YJ, Bucevska M, Arneja JS. Characterization of the conversion of meeting presentation to publication from the 2016 and 2018 ISSVA workshops. <i>JOVA</i> . 2022;3(4)
J. Arneja	NIHR Global Health Unit on Global Surgery; COVIDSurg Collaborative. Elective surgery system strengthening: development, measurement, and validation of the surgical preparedness index across 1632 hospitals in 119 countries. <i>Lancet</i> . 2022;400(10363):1607-1617.
D. Courtemanche	Ponton E, Courtemanche RJM, Singh TK, Duffy D, Courtemanche DJ, Loock C. Assessing the social determinants of health and adverse childhood experiences in patients attending a children's hospital cleft palate-craniofacial program. <i>Cleft Palate Craniofac J.</i> 2022;29(12):1482-1489.
C. Verchere	Yefet, L., Bellows, D., Bucevska, M., Courtemanche, R., Durlacher, K., Hynes, S., & Verchere, C. Can the Sup-ER Protocol Decrease the Prevalence and Severity of Elbow Flexion Deformity in Brachial Plexus Birth Injuries? <i>Hand</i> . 2023;18(1_suppl), 28S–35S.
D. Courtemanche	Locke, A., Terry, J., Shen, Y., Courtemanche, D., Rosenbaum, D. G., Rassekh, S. R., Deyell, R. J., & Cheng, S. Whole genome transcriptome analysis in a case of a neonatal soft tissue sarcoma with YWHAE:NUTM2B fusion. <i>Pediatric blood & cancer</i> . 2023;70(7), e30310.
J. Arneja	Arneja, J. S., & Gilardino, M. S. What Nomenclature Should Plastic Surgeons Use for Those We Treat?. <i>Plastic surgery</i> . 2032; 31(2), 113–114.
J. Arneja	National Institute for Health and Care Research Global Health Research Unit on Global Surgery. Reducing the environmental impact of surgery on a global scale: systematic review and coprioritization with healthcare workers in 132 countries. <i>The British Journal of Surgery</i> . 2023;110(7), 804–817.
D. Courtemanche	Knight P, Bjornson L, Courtemanche R, Courtemanche DJ. A Novel Approach to the Treatment of Comminuted Mandibular Condyle Fractures. <i>Plastic Surgery</i> . 2023;0(0). Online ahead of in issue.
D. Courtemanche	Crofts H, Mankowski P, Tamber M, Courtemanche DJ. Head Shape After Sagittal

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	Craniosynostosis Surgery: Open Versus Endoscopic Strip Craniectomy. <i>Plastic Surgery</i> . 2023;0(0). Online ahead of in issue.
S. Hynes	Wong, V. C. Y., Balumuka, D., Tuen, Y. J., Bucevska, M., Courtemanche, R., Durlacher, K., Bellows, D., Hynes, S., & Verchere, C. How Institution of the Sup-ER Protocol in a Clinic Changed Procedure Patterns in Upper Brachial Plexus (Erb's Type) Birth Injuries. <i>Hand.</i> 2023 Online ahead of in issue.
C. Verchere	Verchere, C., Durlacher, K., & Bellows, D. Management of Brachial Plexus Birth Injuries at British Columbia Children's Hospital. <i>Seminars in Plastic Surgery</i> . 2023:37(2), 102–107.
D. Courtemanche	Courtemanche DJ. Invited Discussion: Excess Opioid Medication and Variation in Prescribing Patterns Following Common Breast Procedures. <i>Plastic Surgery</i> . 2023;0(0). Online ahead of in issue.
J. Arneja	Gilardino MS, Arneja JS. Rate Your Physician, Rate Your Patient? <i>Plastic Surgery</i> . 2023;31(3):217-217
J. Arneja	Tse, R. W., Sie, K. C., Tollefson, T. T., Jackson, O. A., Kirshner, R., Fisher, D. M., Bly, R., Arneja, J. S., Dahl, J. P., Soldanska, M., & Sitzman, T. J. Surgery for Velopharyngeal Insufficiency Following Cleft Palate Repair: An Audit of Contemporary Practice and Proposed Schema of Techniques and Variations. <i>Cleft Palate Craniofac J.</i> 2023. Online ahead of in issue.
J. Arneja	Hartley RL, Ronksley P, Harrop AR, Baykan A, Wei S, Forbes D, Arneja J, Canturk T, Cheung K, Fraulin F. The Calgary Kids' Hand Rule: External Validation of a Prediction Model to Triage Pediatric Hand Fractures. <i>Plastic Surgery</i> . 2023;0(0). Online ahead of in issue.
D. Courtemanche	Wachtel, A., Irvine, M., Rurak, J., Courtemanche, D. Factors and Prediction Models for Unplanned Hospital Readmissions at a Pediatric Tertiary Centre. <i>Canadian Journal of Medicine</i> , 2023;5: 13-23.
J. Arneja	Wells-Durand, E., Buchel, A., Tuen, Y. J., Thomson, R., Staples, J., Gibson, T. L., & Arneja, J. S. (2023). What Does Cleft Lip and Palate Care Cost? The Time and Economic-Associated Burden of Care from Birth to Maturity. <i>Plastic Surgery</i> . 2023; Online ahead of in issue.

S. Hynes	Sheikh-Oleslami, S., Tuen, Y. J., Courtemanche, R., & Hynes, S. A Review and Quality Assessment of TikTok Videos for Burn Education. <i>Journal of burn care & research</i> . 2024;45(1), 4–7.
J. Arneja	Arneja JS, Gilardino MS. Quiet Quitting: Why Is It Worse in Healthcare and What Do We Do About It? <i>Plastic Surgery</i> . 2023;31(4).
S. Hynes	Rykiss D, Courtemanche R, Hynes S. An Assessment of Quality-of-Life Following Tissue Expansion in Pediatric Patients. <i>Plastic Surgery</i> . 2023;0(0). Online ahead of in issue.
D. Bellows	Manji I, Gardiner S, Bellows, D. Scoping Review: Brachial Plexus Birth Injury (BPBI) and Gross Motor Function. <i>Physiotherapy Canada</i> . 2023; Online ahead of in issue.
D. Courtemanche	Courtemanche DJ. We Need a Bio-Psycho-Social-Spiritual Approach to Life. <i>Plastic Surgery</i> . 2024;32(1):9-10.

Initiatives in Progress

D. Courtemanche	Common Social Determinants of Health as Independent Predictors of Adverse Childhood Experiences
D. Courtemanche	Evaluating the Accuracy of the Paley Multiplier Method for Predicting Limb Length Discrepancy in Populations with Vascular Anomalies
D. Courtemanche	Are surgeon reported outcomes consistent with patient reported outcomes?
D. Courtemanche	Outcomes of Patients with Unresectable Arteriovenous Malformations: A 27-Year Chart Review
D. Courtemanche	Equity, Diversity, and Inclusion at BC Children's Hospital, BC Women's Hospital, and BC Mental Health: A Review of Published Research
D. Courtemanche	Sustainable healthcare: Carbon footprint of virtual and in-person visits at a pediatric tertiary care center.
D. Courtemanche	Prescription factors contributing to new, long- term opioid use in opioid naïve patients in British Columbia: An analysis of outpatient opioid prescribing from 2013-2017.
D. Courtemanche	Quality of Life following Sirolimus in the Treatment of Vascular Anomalies
D. Courtemanche	Sclerotherapy using bleomycin and Gelfoam for the treatment of vascular malformations

Pediatric Plastic Surgery

2022-2024

J. Arneja	Does timing matter? Early vs. Late tympanostomy tubes placement in infants with cleft lip and palate: a pilot study
J. Arneja	The Velopharyngeal Insufficiency Outcomes Prediction Study (VPI-OPS). North American multisite study.
J. Arneja	The Velopharyngeal Insufficiency Outcomes Prediction Study (VPI-OPS) II
J. Arneja	How can Non-Hospital Surgical Centres Improve their Environmental Footprint (and Reduce Costs)?
J. Arneja	Canadian plastic surgeons' experience with medico-legal complaints: A nationwide survey
J. Arneja	The presence of predatory and open access journal publications among Canadian Plastic Surgery residency applicants
J. Arneja	An Analysis of Publication Trajectory of Canadian Plastic Surgeons Across Decades of Practice.
J. Arneja	Predictors of Poor Speech Outcomes Following Primary Palatoplasty
J. Arneja	Quality of Life after Mustardé Otoplasty
J. Arneja	Patient Reported Outcomes Among Pediatric Patients and their Parent Proxies after Plastic Surgery
E. Henkelman	Postoperative Length of Stay in 200 Consecutive Patients Undergoing Cleft Palate Repair: A Retrospective Cohort Study.
E. Henkelman	External Validation of the Cleft Palate Pathway
E. Henkelman	Non-steroidal creams, lotions, and balms for children with post-burn itch: A blinded randomized crossover study
S. Hynes	Scalp donor sites for split-thickness skin grafting of burns: a systematic review and retrospective
S. Hynes	Pediatric Burn Transfers: A 9 Year Analysis of Adherence to ABA Transfer Criteria
S. Hynes	Impact of the COVID-19 Pandemic on Pediatric Burn Injuries: A Cross-Sectional Study at a Canadian Tertiary Pediatric Hospital
S. Hynes	Developing a New Patient-Reported Outcome Instrument for Children with Congenital and Acquired Differences of the Hands and Upper Limb
S. Hynes	Identification of Rejection-Resistant Fibroblasts for the Improvement of Transplantation Outcomes and Wound Healing

Pediatric Plastic Surgery

2022-2024

S. Hynes	nes Recalculating the Lip Height in the Unilateral Cle Lip Fisher Anatomic Subunit Repair		
S. Hynes	A Needs Assessment of Burn Care for Children at the BCCH Medical Day Unit		
S. Hynes	Experience of Burn Dressing Changes in the Medical Day Unit: Quality Improvement Project		
S. Hynes	Child Life Specialists in the Treatment of Acute Pediatric Burns: A Systematic Review		
S. Hynes	SASS 2: Self-Assembled Skin Substitute for the Autologous Treatment of Severe Burn Wounds in Acute Stage of Burn Trauma.		
S. Hynes	SASS 2: Self-Assembled Skin Substitute for the Autologous Treatment of Severe Burn Wounds in Acute Stage of Burn Trauma - Phase B		
S. Hynes	Virtual (Zoom) Appointments for Children with Brachial Plexus Birth Injuries Study Protocol		
S. Salhi	The use of splints and casts to prevent nonunion after distal phalanx fractures and nailbed injuries in children: a retrospective study		
S. Salhi	Imaging for craniofacial dermoid cysts with intracranial extensions		
T. Kwan-Wong	Restoring corneal sensation in children with Neurotrophic Keratopathy: Systematic review and case series		
T. Kwan-Wong	Buddy taping versus splinting for pediatric volar plate injuries: A pilot study.		
T. Kwan-Wong	Alignment of learning objectives in Canadian plastic surgery residency programs		



DIVISION OF PEDIATRIC SURGERY

2022-2024



FACULTY: PEDIATRIC SURGERY



Dr. Erik D. Skarsgard Head Department of Surgery, BC Children's



Dr. Eric M. Webber Medical Student Director, Pediatric Surgery



Dr. Sonia A. Butterworth
Assistant Dean, Postgraduate
Medical Education



Dr. Shahrzad Joharifard Resident Director, Pediatric Surgery



Dr. Hannah G. Piper Division Head, Pediatric Surgery



Dr. Robert Baird Program Director

STAFF MEMBERS

Name

Hakwoo Lee

Title

Associate Physician

Highlights and Achievements

Dr. Hannah Piper

Stanley J. Dudrick Scholar Award, American Society of Parenteral and Enteral Nutrition

Outstanding Academic Performance, Department of Surgery, UBC

H.W. Johnson New Investigator Award, Department of Surgery, UBC



Teaching Activities

Fellows Supervised:

Name	Country of Origin	Dates Supervised
Reem Al Hinai	Oman	August 2021-July 2023
Amanda Phares	USA	August 2022-July 2024
Moses Kasumba	Malawi	October 2023-August 2025

Residents Supervised:

Name	PGY	Dates Supervised
General Surgery residents	PGY2	8-12 per year for 2 months each
Plastic Surgery residents	PGY1	1-2 per year for 1 month each
Pediatric residents	PGY1 or 3	6-7 per year for 1 month each

Students Supervised:

Name	Student Type (MD, FLEX, BSc, MSc, PhD, etc.)	Dates Supervised	
Dr. Piper supervision:			
Sara Choi	Flex	Jan 2022-Jun 2022	
Dana Wu	Flex + summer student	Mar 2022-Dec 2023	
Jade Zhong	Flex + summer student	Jan 2022-Nov 2023	
Aysha Ayub	Flex	Oct 2022-Dec 2022	
Niklas Tappauf	PhD	Feb 2023-current	
Haggai Bar-Yoseph	PhD	Jan 2023-Nov 2023	
Dr. Baird supervision:			
Fabio Boetelho	PhD committee	2024	
Yasmine Yousef	PhD committee	2024	
Mohammed Alahmedi	MSc Comiittee	2023	
Dr. Joharifard Supervision			
Thumri Waliwitiya	Global surgery elective	2024	
Peter Malik	Summer student	2023	
Lyndon Rebello	Flex	2023	
Madeleine Kruth	BCCHR summer student	2023	
Stephanie Alexis	Global surgery elective	2022	
Abdullah Mashat	Engineers in scrubs masters program cohort	2024	

Pediatric Surgery

2022-2024

Daniel Kwon	Engineers in scrubs masters program cohort	2024
Ajay Banga	Engineers in scrubs masters program cohort	2024
Ryan Yeung	Engineers in scrubs masters program cohort	2024



Scholarly & Professional Activities

Presentations/Lectures

Dr. Hannah Piper	
BC Children's Neonatal Translation Rounds	Neonatal intestinal rehabilitation
Pediatric Intestinal Failure and Rehabilitation Symposium	Understanding the Intestinal Microbiota in Children with Intestinal Failure
Canadian Children's Intestinal Rehabilitation Network	Challenging Cases in Pediatric Intestinal Failure
The Best of the Best Pediatric Surgery 2022	Urine sodium to creatinine ratio as a marker of total body sodium in infants with intestinal failure
ASPEN Nutrition Science and Practice Conference 2022	Standardizing Vitamin D Supplementation to Minimize Deficiency in Children with Intestinal Failure
Province wide General Surgery Grand Rounds	Pediatric Surgery update for General Surgeons
Chung Research Day, Department of Surgery, UBC	Moderator Quick Shot presentations

Dr. Shahrzad Joharifard

Video presentation at the 5th Global Initiative for Children's Surgery (GICS) Conference, Manila, Phillipines, February 2024.

Perspectives of surgical care providers in Liberia regarding ethical challenges in global surgery collaborations. Accepted as a <u>podium presentation</u> at the BC Children's Hospital Research Institute Research Day, Vancouver, BC, August 2023. *Awarded Summer Student Research Program Best Poster*.

Perspectives of surgical care providers in Liberia regarding ethical challenges in global surgery collaborations. Accepted for the International Congress on Academic Medicine, Quebec City, QC, April 2023.

The utility of three-dimensional modeling and printing in the surgical treatment of pediatric thoracoabdominal tumours. Accepted as a <u>podium</u> presentation to the UBC Department of Surgery Chung Research Day, Vancouver, BC, November 2022.

Committee Participation

Dr. Hannah Piper

CIDsCaNN Basic and Translational Research Advisory Group

Stanley Dudrick Research Scholar Award Selection Committee – American Society for Parenteral and Enteral Nutrition

Grant review committee for the Faculty of Medicine Summer Student Research Program (Feb 2023)

Resident Education Committee for pediatric surgery

Competency Committee for pediatric surgery fellowship

Grant review Committee, Faculty of Medicine Early Career Grants, UBC

Department of Surgery Research Committee

Department of Surgery Annual Research Day abstract selection committee

BC Children's and Women's Health Centre, Pharmacy, Therapeutics and Nutrition Committee

member

BC Children's and Women's Health Centre, Nutrition Committee member

Canadian Association of Pediatric Surgeons, Research Committee member

American Society for Parenteral and Enteral Nutrition Publication Committee

American Pediatric Surgical Association, Publication Committee associate chair

Canadian Association of Pediatric Surgeons, Publication Committee, associate chair

American Society for Parenteral and Enteral Nutrition Abstract Committee

Grant review committee for the Faculty of Medicine Summer Student Research Program

Dr. Eric Webber

PHSA Medical Advisory Committee, chair

Faculty of Medicine Policy Advisory Committee, chair

Undergraduate Medical Education Committee

Canadian Association of Pediatric Surgeons, Publication Committee

Royal College of Physicians and Surgeons, General Surgery Specialty Committee

Royal College of Physicians and Surgeons, Pediatric Surgery Specialty Committee, chair

Royal College of Physicians and Surgeons, Specialty Standards Review Committee

Pacific Association of Pediatric Surgeons, Program Committee

Pacifica Association of Pediatric Surgeons, Publication Committee

Dr. Shahrzad Joharifard

Surgical Site Infection Committee, BC Children's Hospital

February 2024—Present

Trauma Steering Committee, BC Children's Hospital December 2020—Present

Operating Room Quality of Care Sub-Committee, BC Children's Hospital December 2021—Present

Post-Operative Follow-Up Database Steering Committee, BC Children's Hospital December 2021—Present

Clinical Services Transformation (CST) Champions Committee, BC Children's Hospital December 2021—February 2024

Neonatology Division Chief Search Committee, BC Children's Hospital January 2022—February 2022

Dr. Rob Baird

Chair, APSA Outcomes and Evidence Based Committee (now ex-officio)

Vice Chair, CAPS Program Committee

Chair, CAPS Trauma Committee

Chair, Trauma Steering Committee BCCH

Department of Surgery Clinical Faculty Appointment and Promotion Committee, Member



Grants and Funding Received

	Granting Agency	3	Title	COMP	\$ Per Year	Year	Principle Investigator	Co- Investigator(s)
•	Piper BCCHRI		Longitudinal Study of the Intestinal Microbiota and Nutritional Status of Children with Intestinal Failure	COMP	\$20,000	2/22 to 2/24	H. Piper	Y. Lamers
	Departn of Surge UBC		Precision Prebiotics to Improve the Intestinal Microbial Environment in Children with Intestinal Failure	COMP	\$15,000	3/23 to 3/25	H. Piper	
Dev Aid Col (ID/ Roy of F and	ernational velopment, , and laboration AC) val College Physicians d Surgeons Canada	Impleme Surgical !	ntation of Essential Skills Training in the frican Republic	COMP	\$90,000 over 3 years	2024- 2027	S. Joharifard	E. Joos F. Haji
Lea Adv Fun <i>UB</i>	ntinuous rning vancement ad (CLAF) C Faculty Medicine	foundation	nent of the on phase of the Surgical Skills m	COMP	\$53,540	2023	S. Joharifard E. Joos	
Inn See <i>BC</i>	dence 2 ovation d Grant Children's spital	of a 3D p hernia si	nent and validation rinted inguinal nulator y of 3D modeling	СОМР	\$10,000	2022	S. Joharifard	J. Jacob
	earch titute	planning educatio	ing in perioperative and patient n in pediatric bdominal tumors		,			
				COMP	\$10,000	2022	S. Joharifard	J. Jacob
	Baird		Thyroid Initiative	COMP	\$10,000	2022 to 2025	R. Baird	

^{*}COMP indicates whether grant was obtained competitively (C) or non-competitively (NC)

Publication Records

Name(s) Publication

Dr. Hannah Piper

Martins DS, **Piper HG**. *Nutrition considerations in pediatric surgical patients*. Nutrition in Clinical Practice. 2022; Jun 37: 510-520.

Safa N, Yanchar N, Puligandla P, Sewitch M, Baird R, Beaunoyer M, Butter A, Campbell N, Chadha R, Griffiths C, Jones S, Kaur M, Le-Nguyen A, Nasr A, Piche N, **Piper HG**, Prasil P, Romao R, VanHouwelingen L, Wales P, Guadagno E, Emil S. *Differentiating congenital ovarian cysts from other abdominal cystic lesions in female infants: A study by the Canadian Consortium for Research in Pediatric Surgery (CanCORPS).* Journal of Pediatric Surgery. 2022; May 57: 877-882.

Choi S, Casey L, Albersheim S, Van Oerle R, Irvine M, **Piper HG.** *Urine sodium to urine creatinine ratio as a marker of total body sodium in infants with intestinal failure*. Journal of Pediatric Surgery. 2022; May 57: 937-940.

Sutthatarn P, Lapidus-Krol E, Smith C, Halaweish I, Rialon K, Ralls MW, Rentea RM, Madonna MB, Haddock C, Rocca AM, Gosain A, Frischer J, **Piper HG**, Goldstein AM, Saadai P, Durham MM, Dickie M, Jafri M, Langer JC. *Hirschsprung-associated inflammatory bowel disease: a multicenter study from the APSA Hirschsprung disease interest group.* Journal of Pediatric Surgery. 2023; May; 58: 856-861.

Zhong J, Martins DS, **Piper HG**. *Standardizing vitamin D Supplementation to minimize deficiency in children with intestinal failure*. Nutrition in Clinical Practice. 2023; in press.

Dr. Shahrzad Joharifard

A time out for Prayer. In press at the Journal of Pediatric Surgery 2023.

Mapping surgical services in rural British Columbia: an environmental scan. E-print ahead of paper in the *British Columbia Medical Journal*.

The Utility of Three-Dimensional Modeling and Printing in Pediatric Surgical Patient and Family Education: A Systematic Review. *Journal of 3D Printing in Medicine* 2024 Jan 3. PMID: 38170262.

Use of Innovative Technology in Surgical Training in Resource-Limited Settings: A Scoping Review. *Journal of Surgical Education* 2023 Dec 30. PMID: 38161100.

Barriers to accessing congenital heart surgery in resource-limited settings. *World Journal for Pediatric and Congenital Heart Surgery* 2024 Jan. PMID: 37915213.

Post-operative outcomes in Indigenous patients in North America and Oceania: A systematic review and meta-analysis. *PLOS Global Health* 2023. PMID: 37585444.

Defining a framework and evaluation metrics for sustainable global surgical partnerships: A modified Delphi study. *Annals of Surgery*, 2023 Aug 4. PMID: 37539584.

How can pediatric surgeons address racism and become actively anti-racist. *Journal of Pediatric Surgery*, 2023 Jan 21. PMID: 36788055.

Postoperative morbidity and mortality in pediatric Indigenous populations: a scoping review and meta-analysis. *Pediatric Surgery International*, 2023 Feb 16. PMID: 36795335.

The evaluation of a surgical task-sharing program in South Sudan. *Surgeries* 2023.

The evaluation of a surgical task-sharing program in South Sudan. *The Lancet Preprints.* 2022 14 September

Implications of tumor characteristics and treatment modality on local recurrence and functional outcomes in children with chest wall sarcoma: A pediatric surgical oncology research study. *Annals of Surgery*, 2022 Dec 1. PMID: 33156070.

Canadian Journal of Surgery, 2022 Aug 12. PMID: 35961679.

Antiracist practice for pediatric surgeons in Canada. *Canadian Medical Association Journal*, 2022 June 13. PMID: 35697368.

Avoidance of routine endotracheal intubation and general anesthesia for primary closure of gastroschisis: A systematic review and meta-analysis. *Pediatric Surgery International*, 2022 June. PMID: 35396604.

Tu-be or not tu-be? Is routine endotracheal intubation necessary for successful bedside reduction and primary closure of gastroschisis? *Journal of Pediatric Surgery*, 2022 March. PMID: 34304903

Effect of transanastomotic feeding tubes on anastomotic strictures in patients with esophageal atresia and tracheoesophageal fistula: the Quebec experience. *Journal of Pediatric Surgery*, 2022 January. PMID: 34666898.

Implementing a standardized gastroschisis protocol significantly increases the rate of primary sutureless closure without compromising closure success or early clinical outcomes. *Journal of Pediatric Surgery*, 2022 January. PMID: 34654548.

Dr. Rob Baird

Baird R, Puligandla P, Lopushinsky S, Blackmore C, Krishnaswami S, Nwomeh B, Downard C, Ponsky T, Ghani MO, Lovvorn HN. Virtual curriculum delivery in the COVID-19 era: the pediatric surgery boot camp v2. 0. Pediatric Surgery International. 2022 Oct;38(10):1385-90.

Dr. Rob Baird

Emil S, Guadagno E, Baird R, et al. The Canadian Consortium for Research in Pediatric Surgery: Roadmap for Creation and Implementation of a National Subspecialty Research Consortium. Journal of the American College of Surgeons. 2022 Dec 1;235(6):952-61.

Rentea RM, Renaud E, Ricca R, Baird R, et al. Surgical Management of Ulcerative Colitis in Children and Adolescents: A Systematic Review from the APSA Outcomes and Evidence-Based Practice Committee. Journal of pediatric surgery.:S0022-3468.

Speck KE, Kulaylat AN, Baerg JE, Baird R, et al. Evaluation and Management of Primary Spontaneous Pneumothorax in Adolescents and Young Adults: A Systematic Review from the APSA Outcomes & Evidence-Based Practice Committee. Journal of pediatric surgery. 2023 Apr 6.

Safa N, Yanchar N, Puligandla P, Sewitch M, Baird R, Beaunoyer M, Campbell N, Chadha R, Griffiths C, Jones S, Kaur M. Treatment and Outcomes of Congenital Ovarian Cysts A Study by the Canadian Consortium for Research in Pediatric Surgery (CanCORPS). Annals of Surgery. 2023 May 14;277(5):e1130-7.

Nazareth A, Gezer R, St-Louis E, Baird R. External validation of the PRESTO pediatric tool for predicting in-hospital mortality from traumatic injury. Journal of pediatric surgery. 2023 May;58(5):949-54.

Song WH, Golam A, Golding H, Poznikoff A, Krishnan P, Baird R. A comparison of operative and anesthetic techniques for inguinal hernia repair in infants. Journal of Pediatric Surgery. 2023 Jan 20:S0022-3468.

Taverner F, Krishnan P, Baird R, von Ungern-Sternberg BS. Perioperative management of infant inguinal hernia surgery; a review of the recent literature. Pediatric Anesthesia. 2023 Jul 14.

Puligandla P, Skarsgard E, Baird R, et al. Diagnosis and management of congenital diaphragmatic hernia: a 2023 update from the Canadian Congenital Diaphragmatic Hernia Collaborative. Archives of disease in childhood. Fetal and neonatal edition.:fetalneonatal-2023.

Broomfield M, Agabani Z, Guadagno E, Poenaru D, Baird R. The evidence mismatch in pediatric surgical practice. Pediatric Surgery International. 2023 Nov 18;39(1):295-.

Dimmer A, Baird R, Puligandla P. Role of practice standardization in outcome optimization for CDH. World Journal of Pediatric Surgery. 2024 Mar 21;7(2):e000783-.

Initiatives in Progress

Dr. Robert Baird

Yousef Y, Cairo S, St-Louis E, Goodman LF, Hamad DM, Baird R, Smith ER, Emil S, Laberge J, Abdelmalak M, Gathuy Z. GAPS II: Development and Pilot Results of the Global Assessment in Pediatric Surgery, an Evidence-Based Pediatric Surgical Capacity Assessment Tool for Low-Resource Settings.

Ponton E, Singh T, Carwana M, Duffy DJ, Courtemanche R, Courtemanche DJ, Loock CA, Baird R. Who is in Your Waiting Room? Social Determinants of Health and Adverse Childhood Experiences in Pediatric Surgery Clinics. Journal of Pediatric Surgery. 2024 Apr 10.



DIVISION OF PEDIATRIC UROLOGY

2022-2024



FACULTY: PEDIATRIC UROLOGISTS



Dr. Andrew E MacNeily Professor and Division Head of Pediatric Urology



Dr. Kourosh Afshar Professor and Associate Head of Pediatric Urology



Dr. Soojin Kim

Clinical Assistant Professor and BCCH Site Chief,

UBC Department of Urologic Sciences RTC



Dr. Thomas De Los Reyes Clinical Assistant Professor and Undergraduate Director, UBC

STAFF MEMBERS

Name

Maryam Noparast, MD

Heidi Barber, BSN, RN

Sajeeda Kuthdoos, BSN, RN

Maria Chaperon

Danielle Baghii

Madison Gunderson

Title

Research Associate

Nurse Clinician

Nurse Clinician

Medical Office Assistant

Medical Office Assistant

Medical Office Assistant

Highlights and Achievements

After 39 years of providing clinical care and service to BC Children's Hospital, Dr John Masterson retired from active practice in June 2022. He leaves a legacy of dedication to teaching, administration and surgical care in the Division of Pediatric Urology that will be carried forward. We were fortunate to seamlessly recruit Dr Thomas De los Reyes as a new faculty member in our division, beginning in July 2022. Thomas is a graduate of the UBC Urology residency program, and comes to us after 3 additional years of fellowship training in functional and pediatric urology at the University of Toronto. In addition, Thomas holds a masters degree in Health Systems Leadership which equips him well for program development and scholarly pursuits.

The successful transition of our long-term patients to adult care has always been a challenge. Recently, a Transition and Readiness to Adult Care (TRAC) clinic was established in Vancouver Coastal Health as one of the pillars of the newly created UBC Institute of Urology which is funded generously through philanthropy. This clinic is comprised of Dr De los Reyes and an adult functional urologist, Dr Anderson. The model for transitional care involves a primary care Nurse Practitioner functioning as a patient navigator to ensure that these BCH graduates keep in contact with key stakeholders and care providers in the adult and pediatric urology spheres. The nurse practitioner also serves as an adjunct to primary care providers throughout the province in managing semi-acute medical or psychological concerns. This unique program will ensure that all the surgical and medical care devoted to our most complex patients in the first 2 decades of life will not be lost to follow up.

Additional highlights to celebrate this year include:

Initiation of outreach clinics and surgeries at Kelowna General Hospital

Dr. Soojin Kim	Appointed VP Education Canadian Urological Association Young Urologists Affiliate Society
Dr. Andrew MacNeily	Completed 10+ years of service on the CUA executive & as Vice Chair UBC Urology
Dr. Kourosh Afshar	Promoted to Full Professor
Dr. Thomas De Los Reyes	Recipient of UBC Dept of Urologic Sciences Undergrad Teacher of the Year award

Teaching Activities

Fellows Supervised

Name	Country of Origin	Dates Supervised
Cristina Dominguez	Bogota Colombia	2021-2022
Valerie Hogues	Montreal Canada	2022-2023
Joan Flores	Manilla Phillipines	2023-2024
Harshita Kour	New Delhi India	2023-2025



Students Supervised - *Undergraduate Students*

K. Afshar

Student Name	Program Type	Start Year	End Year
Daniel Aminbakhsh	Primary Supervisor for Summer student research Bladder dysfunction and Epilepsy	July 2023	Oct 2023
Caitlin Downing	Primary Supervisor for Summer student research Bladder dysfunction and Epilepsy	May 2023	Sept 2023
T. De los Reyes			
Student Name	Program Type	Start Year	End Year
Alex Wells	Primary Supervisor for Summer student research Provider perception on Transition to Adult Urology Care in BC	June 2023	Sep 2023
S. Kim			
Student Name	Program Type	Start Year	End Year
Lindsay Kastelic	 MEDD 499 - FLEX Supervisor Access to surgical care in high-income countries: a scoping review (study design, title/abstract/full-text screening, data extraction, data analysis) 	2022	2023
Amy Antonsen	 MEDD 499 - FLEX Supervisor Access to surgical care in high-income countries: a scoping review (study design, title/abstract/full-text screening, data extraction, data analysis, manuscript) Impact of surgery in children with congenital anomalies of the kidney and urinary tract (Building REDCap, data extraction, data analysis) – manuscript phase 	2022	Current
Peter Chae	 UBC FoM Summer student Impact of surgery in children with congenital anomalies of the kidney and urinary tract (Building REDCap, data extraction) 	2022	2022

Pediatric Urology

2022-2024

2020

2023

Access to surgical care in high-income countries: a scoping review (title/abstract/full-text screening, data extraction) SFU

Nikka Golzar

- Access to surgical care in high-income countries: a scoping review (title/abstract/full-text screening, data extraction)
- Not all Canadian pediatric urology patients have equal access to surgical care: a pilot study in British Columbia (data extraction, survey implementation)

S. Kim

Student Name	Program Type	Start Year	End Year
Ethan Ponton	Access to surgical care in high-income countries: a scoping review (title/abstract/full-text screening, data extraction)	2020	2022
Falla Jin	 Health Outcomes in Spinal Cord Conditions (HOSCC) Database: a longitudinal database for BCCH Spinal Cord Clinic, encompassing patient reported outcomes (database design, implementation, maintenance, management, PROM administration, students/volunteers management) Symptoms of Anxiety and Depression in Pediatric Patients with Spinal Cord Disorders (data extraction, survey administration) Canadian National Posterior Urethral Valve (PUV) Registry 	2021	Current
Anna-Lisa Nguyen (Undergraduate)	McMaster Undergraduate University of Western Ontario FoM • Access to surgical care in high-income countries: a scoping review (title/abstract/full-text screening, data	2022	Current

Pediatric Urology

2022-2024

extraction, data analysis, manuscript) – manuscript phase

 Not all Canadian pediatric urology patients have equal access to surgical care: a pilot study in British Columbia (data extraction, survey implementation, data analysis)

Nicholas Wilkinson

UBC

 Access to surgical care in high-income countries: a scoping review (title/abstract/full-text screening, data extraction) 2020 Current

S. Kim

Student Name	Program Type	Start Year	End Year
Aygun Ibrahimova	 UBC/ BCCH INSPIRE student Directed Studies – ISCI 448 (Jan – Apr 2023) Health Outcomes in Spinal Cord Conditions (HOSCC) Database: a longitudinal database for BCCH Spinal Cord Clinic, encompassing patient reported outcomes (data input/extraction, PROM administration) Not all Canadian pediatric urology patients have equal access to surgical care: a pilot study in British Columbia (data extraction, survey implementation, data analysis) 	2022	Current
Isabella Parrotta	OPSEI Work Learn program (Apr – Aug 2021) Directed Studies – ISCI 448 (Sep 2021 – Apr 2022) OPSEI Co-op program (May – Aug 2022) UBC Work Learn program (Sep 2022 – Apr 2023) • Access to surgical care in high-income countries: a scoping review (title/abstract/full-text screening, data extraction) • Not all Canadian pediatric urology patients have equal access to surgical care: a pilot study in British Columbia (data extraction, survey implementation)	2024	Current

- Impact of surgery in children with congenital anomalies of the kidney and urinary tract (data extraction)
- Symptoms of Anxiety and Depression in Pediatric Patients with Spinal Cord Disorders (data extraction, survey administration)

Health Outcomes in Spinal Cord Conditions (HOSCC) Database: a longitudinal database for BCCH Spinal Cord Clinic, encompassing patient reported outcomes (data input/extraction, PROM administration, students/volunteers management)

S. Kim

Student Name	Program Type	Start Year	End Year
Sarah Kuhn	Access to surgical care in high-income countries: a scoping review (title/abstract/full-text screening, data extraction)	2021	2023
Melissa Kong	FoM Summer Student Research Program (Apr - Aug 2022) MEDD 499 - FLEX Supervisor (Nov – Dec 2022) Machine Learning-Enabled Ultrasound for Assessing Single Kidney Function in Pediatrics (study design, data extraction, image extraction)	2022	2023
Ishman Bhuiyan	 UBC FoM Summer student Machine Learning-Enabled Ultrasound for Assessing Single Kidney Function in Pediatrics (data extraction, image extraction) 	2022	2022
Isabella Watson	 Machine Learning-Enabled Ultrasound for Assessing Single Kidney Function in Pediatrics (data extraction, image extraction) 	2022	2023

Emily Wiljer	 UBC/ BCCH INSPIRE student Health Outcomes in Spinal Cord Conditions (HOSCC) Database: a longitudinal database for BCCH Spinal Cord Clinic, encompassing patient reported outcomes (data input/extraction, PROM administration) 	2022	2023
Tina Hyunh	 UBC/ BCCH volunteer Health Outcomes in Spinal Cord Conditions (HOSCC) Database: a longitudinal database for BCCH Spinal Cord Clinic, encompassing patient reported outcomes (data input/extraction, PROM administration) 	2022	2023
S. Kim			
Student Name	Program Type	Start Year	End Year
Josh Dyce	 UBC/ BCCH INSPIRE student Health Outcomes in Spinal Cord Conditions (HOSCC) Database: a longitudinal database for BCCH Spinal Cord Clinic, encompassing patient reported outcomes (data input/extraction, PROM administration) 	2022	2023
Kiran Dhaliwal	 UBC/ BCCH volunteer Health Outcomes in Spinal Cord Conditions (HOSCC) Database: a longitudinal database for BCCH Spinal Cord Clinic, encompassing patient reported outcomes (data input/extraction, PROM administration) 	2022	2023
Tina Shehata	 UBC/ BCCH volunteer Health Outcomes in Spinal Cord Conditions (HOSCC) Database: a longitudinal database for BCCH Spinal Cord Clinic, encompassing patient reported outcomes (data input/extraction, PROM administration) 	2022	2023

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Graduate Students

K. Afshar

Student Name	Program Type	Start Year	End Year
Aaron Ma	MS (Master in Pathology)	2021	2023
Arshdeep Khurana	MS (Masters Biomed Engineering)	Sep 2023	Sept 2025

S. Kim

Student Name	Program Type	Start Year	End Year
Rohit Singla	UBC Faculty of Medicine MD PhD (Jan 2022 – Current)	2022	2023

Other Supervisory Roles

K. Afshar

Year/Month	Description of Activity	# of Hours
2023/Jan	Resident Academic Half day	6
2023/Feb	Resident Academic Half day	5
2023/Feb	Department of Urologic Sciences Journal club	5
2023/May	Department of Urologic Sciences Journal club	5
2023/Sep	Department of Urologic Sciences Journal club	5
2021 Jan-Dec	Urodynamics teaching rounds	18
T. De los Reyes		
Year/Month	Description of Activity	# of Hours
2022/Nov	Resident Academic Half Day	4

Pediatric Urology

2022-2024

2022/Nov	UBC Department of Urologic Sciences Royal College OSCE Preparation Exam	5
2022/Oct	University of Toronto Royal College Exam OSCE Preparation Exam	5
2024/February	Resident Academic Half Day	4
2023/July	Resident Academic Half Day (Pt 2)	4
2023/July	Resident Academic Half day (Pt 1)	4
2023/May	Resident Academic Half day	4
2023/Apr	Resident Academic Half Day	4

AE MacNeily

- External Examiner: UBC MSc Thesis Defense June 2022
- 2022-2024 Canadian Urological Association Scholarship Mentor: Dr. Dan Keefe Dalhousie University

S. Kim

Description	Duration	# of Students	Year	Student Level
Academic half day session for urology residents	4 hours	15	May 27, 2022	Residents
Academic half day session for urology residents	4 hours	15	Jul 29, 2022	Residents
UBC DUS OSCE	4 hours	15	Oct 20, 2023	Residents
Academic half day session for urology residents	4 hours	15	Jan 5, 2024	Residents
UBC Medical Student Surgery/Urology Interest Group	2 hours	40	Jan 24, 2024	Medical Students

Course Taught at UBC

Year	Course #	Schedule Hours	Class Size	Contact Hours	Other
2022	BMEG591P	2	10	3	
2022	SURG 517	2	8	10	Weekly discussions

T. De los Reyes

Year	Course #	Schedule Hours	Class Size	Contact Hours	Other
2022	MED422	4	8	3	Clinical Skills Session
2023	MED422	4	8	4	Clinical Skills Session

S. Kim

Year	Course #	Schedule Hours	Tutorial Hours	Other
2022	MEDD 499 – FLEX (For 3 students)	128	10	One student to one supervisor to oversee a project
2023	Directed Studies – ISCI 448	12 hrs/wk	1-2 hrs/wk	One student to one supervisor to oversee a project



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Scholarly & Professional Activities

Presentations/Lectures

AE MacNeily	UBC Dept of Urologic Sciences Donor Cabinet: "Transitional Urology"
	Vancouver BC Jan 2023
AE MacNeily	"Vesicocentricity" Western Urologic Forum Scottsdale Arizona March 2023
AE MacNeily	OPSEI Rounds: Department of Surgery UBC: "Education and Mentoring" Nov 2023
AE MacNeily	"Surgical Impressions" Western Urologic Forum Sonoma California March 2024
Parrotta I, Kim S, Jin F, Chae P, Schwartz Z, Ponton E, Cheung N, Purtzki J, Duffy D, MacNeily AE:	Assessment Of Mental Health In Pediatric Patients With Chronic Spinal Cord Disorders: An Interim Analysis. Western Medical Research Conference Carmel California Jan 2023
MacNeily AE, Afshar K, Houges V, Noparast M, Westwell-Roper C, Stewart SE:	Prevalence of Previously Undiagnosed Psychiatric Symptom Groupings in Pediatric Patients with Bladder and Bowel Dysfunction. Canadian Urological Association Montreal PQ June 2023
T de los Reyes	Invited Speaker, Philippine Urologic Association Annual Meeting, November 2022.
	Invited Speaker, BC Urologic Society Meeting, Vancouver, BC. October 2022 Invited Speaker, BC Radiologic Society, Vancouver, BC. February 2023 Presenter, OPSEI Rounds, February 2023
T de los Reyes	Invited Speaker, Children's Health Today Conference, Vancouver, BC. November 2023
S Kim	UBC DUS Academic Half Day/PUC Rounds – Pediatric Urethral Trauma (<i>Pediatric Urologists of Canada Rounds</i> (May 27, 2022 in Vancouver, Canada)
S Kim	Master of Science in Health Services and Outcomes Research (HSOR) – completed in Jun 2022
	Intermediate Biostatistics (PUB_HLTH 421) from Sep 24, 2019 to Dec 14, 2019 Ethical Issues in Health Services Research (HSR 460) from Jan 6, 2020 to Mar 21, 2020
	Federal Policy Making and Healthcare Reform (HSR 470) from Apr 4, 2020 to Jun 13, 2020
	Applied Qualitative Methods & Analysis for Health Researchers (HSR 456) from Jun 22, 2020 – Aug 29, 2020
	Health Economics and Healthcare Financing (HSR 433) from Sep 21, 2020 – Jan 14, 2021
	Grant Writing (HSR 462) from Apr 2022 – Jun 2022
S Kim	Physician Quality Improvement Business Case Workshop (Oct 14, 2022)
S Kim	PROMs' PROMises in Pediatric Urology. <i>Department of Urologic Sciences</i> , UBC – 16 th Lorne D. Sullivan Lectureship & Research Day (Jun 21, 2022 in Vancouver, Canada)

Pediatric Urology 2022-2024

S Kim	"Smart" Ultrasound to Assess Renal Function in Pediatric Population. <i>Solid Organ Transplantation Research Round, BCCH</i> (Jul 21, 2022 in Vancouver, Canada)
Kong, M. & Kim, S.	"Smart" Ultrasound to Assess Renal Function in Children. BCCH Radiology Academic Round, BCCH (Oct 11, 2022 in Vancouver, Canada)
Jin, F., Chae, P., Ponton, E., Purtzki, J., MacNeily, A., Schwartz, Z., Afshar, K., Grant, E., Jekyll, A., Alvarez, C., McDonald, P., Reebye, R., Louie, J., Singhal, M., Duffy, D., Cheung, N., Parrotta, I., and Kim, S.	Patient-centered care for patients with complex medical needs: the role of patient-reported outcome measures. <i>Quality Forum 2022</i> (May 31 – Jun 2, 2022 in Vancouver, Canada; oral presentation)
Ibrahimova, A., Ngyuen, A., Golzer, N., Parrotta, I., Albayati, H., Hinada, P., Abrahams, B., Afshar, K., MacNeily, A., Masterson, J. and Kim, S	Access to Pediatric Urology Care: A Pilot Study in British Columbia. <i>BCCHRI E2i Research Day</i> – Oral Presentation (Feb 28, 2023 in Vancouver, Canada)
Ibrahimova, A., Ngyuen, A., Golzer, N., Parrotta, I., Albayati, H., Hinada, P., Abrahams, B., Afshar, K., MacNeily, A., Masterson, J. and Kim, S.	Access to Pediatric Urology Care: A Pilot Study in British Columbia. <i>UBC</i> Multidisciplinary Undergraduate Research Conference – Poster Presentation (Mar 18, 2023 in Vancouver, Canada)
Wong, J & Kim, S.	Differences of Sex Development (DSD): A Current Perspective. <i>Department of Urologic Sciences, UBC – Grand Round</i> (Nov 22, 2023 in Vancouver, Canada; supervised the resident)



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Grants and Funding Received

Granting Agency	Title	COMP	\$ Per Year	Year	Principle Investigator	Co- Investigator(s)
Spina Bifida Association of Canada	Anxiety and Depression in Spina Bifida Patients	Comp	\$9000	2019- 2022	AE MacNeily	S Kim
Mohseni Foundation	Teaching Grant	NC	25000	2019- 2024	K.Afshar	
VGH Hospital Foundation	Ledcor Centre for Transitional Care	NC	1,000,000	2023- 2027	Thomas de los Reyes Kate Anderson	AE MacNeily K Afshar
British Columbia Children's Hospital Research Institute	Impact of surgery in children with congenital anomalies of the kidney and urinary tract	Comp	\$10,000	03/20 - 03/23	Soojin Kim	
Provincial Health Services Authority (PHSA) Physician Quality Improvement (PQI)	Pediatric Urology Outreach Program	Comp	Non- operational resources	09/20- 09/21	Soojin Kim	
CUASF Early Investigator Research Scholarship Grant	Machine Learning- Enabled Ultrasound for Assessing Single Kidney Function in Pediatrics	Comp	\$50,000	09/22- 08/24	Soojin Kim	Chris Nguan
The Spinal Bifida and Hydrocephalus Association (SBA) of Canada	Parental Role in Transition Readiness among Adolescents with Spina Bifida: A Mixed-Method Study	С	\$18,500	(2024- 2025)	Soojin Kim	

Ashmore Chair	Canadian National	С	\$91,550	11/23	Soojin Kim
funds,	Posterior Urethral		(for Year 1)	to	
Department of	Valve (PUV) Registry			11/24	
Surgery					

^{*}COMP indicates whether grants were obtained competitively (C) or non-competitively (NC)

Curriculum Development & Innovation

K.Afshar

- Development of online module for SURG 517 (3) Clinical Research Methods for Surgical Procedures with Global Surgical Comparisons
- Revision of curriculum of Pediatric Urology Fellowship: The fellowship is now a 2 year program. The first year is a research-oriented year. Our First fellow is now enrolled in masters of global surgery.

Committee Participation

Name	Committee
AE MacNeily	Moderator: Educational Forum: Pediatric Stone Disease. CUA annual meeting June 2022 Charlottown PEI
	Abstract Review Committee: Canadian Urological Association annual meeting Jan 2023
	CUA Abstract Review Committee Jan 2024
AE MacNeily	Member UBC Undergraduate Medical Education Committee (UGMEC) 2021- 2023
AE MacNeily	Physician Representative Registration
	Committee, College of Physicians and Surgeons of BC 2022-2024
AE MacNeily	2020-2024 Chair AFC Diploma in Pediatric Urology Subcommittee RCPSC
	2021-2023 Member UBC Undergraduate Medical Education Committee
	2021-2022 Past President: CUA
	2021-2022 Chair CUA Nominations Committee
AE MacNeily	2021-2025 Associate Editor Canadian Urological Association Journal

Pediatric Urology

2022-2024

AE MacNeily	External Reviewer: Promotions Committee University of Manitoba Dept of Surgery June 2022
	External Reviewer: Promotions Committee University of Alberta Dept of Surgery Aug 2022
	External Reviewer: Promotions Committee Queen's University Dept of Urology Aug 2022
	External Reviewer: Promotion and Tenure Committee University of Toronto Nov 2022
	External Reviewer: Appointments Committee University of Toronto Dec 2022
	External Reviewer: University of Ottawa promotions committee Dept of Surgery June 2023
	External Reviewer: University of Ottawa promotions committee Dept of Surgery March 2024
AE MacNeily	Acting Chair: Dept of Urologic Sciences Promotion and Tenure Committee Jan- March 2024
AE MacNeily	Co-Representative Pediatric Surgical Clinical Services Contract 2012-2024
K Afshar	Associate Chief of Surgery for Quality and Safety Member Surgical Cabinet
K Afshar	· · · · · · · · · · · · · · · · · · ·
K Afshar	Member Surgical Cabinet
K Afshar	Member Surgical Cabinet Co-Chair Surgical Suites Safety and Quality Committee
K Afshar	Member Surgical Cabinet Co-Chair Surgical Suites Safety and Quality Committee Member OR data management committee
K Afshar	Member Surgical Cabinet Co-Chair Surgical Suites Safety and Quality Committee Member OR data management committee Member Child Health Quality of Care Committee
K Afshar	Member Surgical Cabinet Co-Chair Surgical Suites Safety and Quality Committee Member OR data management committee Member Child Health Quality of Care Committee Member Surgical Advisory Committee
K Afshar	Member Surgical Cabinet Co-Chair Surgical Suites Safety and Quality Committee Member OR data management committee Member Child Health Quality of Care Committee Member Surgical Advisory Committee Member Core Leadership Committee
K Afshar	Member Surgical Cabinet Co-Chair Surgical Suites Safety and Quality Committee Member OR data management committee Member Child Health Quality of Care Committee Member Surgical Advisory Committee Member Core Leadership Committee Surgeon Champion National Surgical Improvement Program BCCH

T de los Reyes	Medical Student and Postgraduate Education Competency Committee, Department of Urologic Sciences Postgraduate Education (2022 – Present)
	Undergraduate Director, Department of Urologic Sciences, UBC (2023-Present)
	Faculty of Medicine Undergraduate Medical Education Committee, UBC (2023-Present)
	Surgical Undergraduate Education Committee, Faculty of Medicine, UBC (2023-Present)
	Resident Training Committee, Department of Urologic Sciences, UBC (2024-Present)
T de los Reyes	Health Authority/Health Professions Selection panel, Associate Physician for Divisions of Urology and Surgery, BC Children's Hospital (2023)
	Division lead, Transition to CST EMR, Division of Urology, BC Children's Hospital (2023)
S Kim	Multidisciplinary DSD Working Group (pediatric gynecology, pediatric endocrinology, medical anthropology, medical genetics, ethics, nurse clinicians for Endocrine and Gender Clinic)
S Kim	CUA Scientific Committee (2021, 2022, 2023, 2024)
S Kim	CUA Young Urologist Affiliate Society (YAS) – Vice-President of Education (2021 – current)
S Kim	VCUG Working Group (pediatric radiology, pediatric urology, nursing, medical ethics, Child Life)
S Kim	BC Children's Hospital Oncofertility Principles of Care and Guideline Development (2022 – current)
S Kim	UBC Department of Urologic Sciences Residency Training Committee (RTC) – BCCH Site Chief (Feb 2021 – current)

Publication Records

Name(s)	Publication
Westwell-Roper C, Best JR, Naqqash Z, Afshar K, MacNeily AE, Stewart SE:	Bowel and bladder dysfunction is associated with psychiatric comorbidities and functional impairment in pediatric obsessive-compulsive disorder Journal of Child and Adolescent Psychopharmacology.2022 Aug;32(6):358-65
Touma NJ, Leveridge MJ, Beiko D, Rowe N, Warren J, Watterson J, Blais A, Wilson JWL, Morales A, Chin JLK, MacNeily AE	QUEST at 25: A enduring innovation in Canadian Urology Can Urol Assoc J 2022;16(4):79-80
Otis-Chapados S, de Los Reyes T , Mousa A, Fervaha G, Radomski SB	Do larger cuff sizes with artificial urinary sphincter placement increase the risk of leakage after placement?. The Canadian Journal of Urology. 2023 Feb 1;30(1):11419-23.
Yadav P, Alsabban A, de Los Reyes T , Varghese A, Ming JM, Milford K, Yang SS, Silangcruz JM, Dos Santos J, Bagli DJ, Rickard M, Lorenzo AJ, Church P, Chua ME	A systematic review of paediatric neurogenic lower urinary tract dysfunction guidelines using the Appraisal of Guidelines and Research Evaluation (AGREE) II instrument. BJU Int. 2022 Sep 26.
Kim S.	Canadians' (over)active contributions to overactive bladder research. <i>Can Urol Assoc J</i> 2022;16(10): 364.
Rague, J., Kim, S. , Hirsch, J., Meyer, T., Rosoklija, I., Larson, J., Swaroop, V., Bowman, R., Bowen, D., Cheng, E., Gordon,	The Association of Health Literacy with Health-Related Quality of Life in Youth and Young Adults with Spina Bifida: A Cross-Sectional Study. J. Pediatr, 2022.

Sophie Carr, Carmina Gogal, Kourosh Afshar , Joseph Ting, Erik Skarsgard	Optimizing skin antisepsis for neonatal surgery: A quality improvement initiative, Journal of Pediatric Surgery, Volume 57, Issue 7, 2022,Pages 1235-1241
Butterworth SA, Zivkovic I, Kim S, Afshar K.	Major morbidity and mortality associated with delays to emergent surgery in children: a risk-adjusted analysis. Can J Surg. 2023 Mar 17;66(2):E123-E131. doi: 10.1503/cjs.015421. PMID: 36931652; PMCID: PMC10027761.
Shakiba, B., Heidari, K., Afshar, K. et al.	Aspiration and sclerotherapy versus hydrocelectomy for treating hydroceles: a systematic review and meta analyses. <i>Surg Endosc</i> 37 , 5045–5051 (2023). https://doi.org/10.1007/s00464-023-10143-5
Bandara, N.A.; Lalkiya, D.; Alhamam, A.; Afshar, K.	Discussing the Sexual Health Impacts of Electronic Cigarette Use with Youth: A Proposed Framework to Support Urologists. <i>Future</i> 2023 , <i>1</i> , 38-45. https://doi.org/10.3390/future1020006
MacNeily AE, Afshar K, Hogues V, Kim S, Noparast M, Westwell-Roper C, Stewart SE	<u>Prevalence of Previously Undiagnosed Psychiatric</u> <u>Symptom Groupings in Pediatric Patients with Bladde</u> <u>and Bowel Dysfunction.</u> <i>J Pediatr Urol</i> 2023; 6:S1477- 5131(23)00430-8.
Szymanski KM, Adams C, Alkawaldeh MY, Austin PF, Bowman RM, Castillo H, Castillo J, Chu DI, Estrada CR, Fascelli M, Frimberger DC, Gargollo PC, Hamdan DG, Hecht SL, Hopson B, Husmann DA, Jacobs MA, MacNeily AE, McLeod DJ, Metcalfe PD, Meyer T, Misseri R, O'Neil J, Rensig AJ, Routh JC, Orove K, Sawin KJ, Schlomer BJ, Shamblin I, Sherlock RL, Slobodov G, Stout J, Tanaka ST, Weiss DA, Wiener JS, Wood HM, Yerkes EB, Blount J:	Causes of death among people with myelomeningocele: A multi-institutional 47-year retrospective study. J Pediatr Rehabil Med in presaccepted Dec 2023.
Chua ME, Yadav P, Wang PZT, Mau EE, Keefe DT, De los Reyes TJ , Lee L, Blais A-S, Lorenzo AJ	Canadian Urological Association/ Pediatric Urologists of Canada guideline: Pediatric patients with neurogenic lower urinary tract dysfunction: Full-text version. CUAJ [Internet]. 2023 Oct. 5 [cited 2023 Nov. 1];17(10):E338-57. Available from: https://cuaj.ca/index.php/journal/article/view/8390
Yadav P, Alsabban A, de Los Reyes T , Varghese A, Ming JM, Milford K, Yang SS, Silangcruz JM, Dos Santos J, Bagli DJ, Rickard M	A systematic review of paediatric neurogenic lower urinary tract dysfunction guidelines using the apprais of guidelines and research evaluation (AGREE) II instrument. BJU International. 2023 May;131(5):520-

Halstead, V., Hirsch, J., Rosoklija, I., Rague, J., Kim, S ., Meyer, T., Larson, J., Swaroop, V., Bowman, R., Bowen, D., Kielb, S., Cheng, E., Yerkes, E. and Chu, D.	Association Between Quality of Life and Neurogenic Bowel Symptoms by Bowel Management Program in Spina Bifida. <i>Urology</i> 2023; S0090-4295(23)01115-9.
Kim S., Finney, E., Naha, U., Rosoklija, I.,	Comparison of web-based information about cell-free
Honneger, K., Goetsch, A., Holl, J., Finlayson,	DNA prenatal screening: implication for differences of
C., Chen, D. and Johnson, E.	sex development care. Front Urol 2023; 3:1144618.

Initiatives in Progress

- Afshar K, Gill J, Noparast M, Cochrane Urology Systematic Review Update: NSAIDs in treatment of renal colic: Manuscript written: editorial review
- Afshar K, Shadgan B: Use of NIRS in Diagnosis of testicular torsion: Phase II study: Recruiting
- Afshar K, Aminbakhsh A., Connolly M: Bladder Dysfunction if children with epilepsy: Abstract Submitted to CUA
- Afshar K, Nguan C, Khurana A, Shadgan B:
 - o Role NIRS photography in assessment of renal transplant perfusion and function: Recruiting
 - o Role NIRS photography in the assessment of tissue perfusion in Hypospadias
- De los Reyes T, Purtzki J, Hopskins S, Boldut R, Schwartz S: Engaging Youth with Spina Bifida in Articulating Health Priorities through Photovoice

S Kim

(a) Type, Title, and Description:

Timeframe (mmm/yyyy- mmm/yyyy)	Dec 2019 – Current
Estimated time commitment	10 hrs/month
Role/contributions	Principal Investigator
Other Contributors	urology, neurosurgery, orthopedic surgery, pediatrics, physiatry and rehabilitation medicine, occupational therapy, physiotherapy, social work, nursing, OPSEI, research team
Outcomes	Health Outcomes in Spinal Cord Conditions (HOSCC) Database: a longitudinal database for BCCH Spinal Cord Clinic, encompassing patient reported outcomes

Dissemination/Impact/Use by Others

- engaged stakeholders (urology, neurosurgery, orthopedic surgery, pediatrics, physiatry and rehabilitation medicine, occupational therapy, physiotherapy, social work, nursing, OPSEI) was gathered between Dec 2019 to Feb 2020
- multiple stakeholder meetings were held between
 Feb to Jul 2020
- interested variables were collected to design data collection form for providers
- patients' engagement d via encompassing patient reported outcomes
- worked with REDCap team to build the database and design algorithms
- pilot trials were run in Nov 2021
- official launch date for virtual participation was on Nov 19, 2020
- expanded to include in-person participation on Feb 18, 2021
- sought feedback continuously from all the stakeholders, and iterations were made accordingly
- since February 2021, weekly to biweekly maintenance meetings were held with research team to track recruitment, input data, gather feedback, check data quality, and modify to improve
- generating graduation reports for patients who are transitioning into adult care starting 2022. Every April, expected graduating patients will be screened to generate graduation reports
- Biannual report (every March and September) will be generated, including a general summary, a report for each discipline, and a summary of PROMs
- quarterly research meetings starting 2022 (Feb, May, Aug, Nov)

(b) Type, Title, and Description:

Timeframe (mmm/yyyy- mmm/yyyy)	Mar 2022 – Current
Estimated time commitment	10 hrs/month
Role/contributions	Principal Investigator

Other Contributors	urology at BCCH, pediatric urologists of Canada, nephrology, maternal fetal medicine, NICU, department of surgery, REDCap, the Canadian Neonatal Network (CNN) team at BCCH	
Outcomes	a longitudinal multidisciplinary registry for posterior urethral valve	
Dissemination/Impact/Use by Others	 engaged stakeholders (urology at BCCH, pediatric urologists of Canada, nephrology, maternal fetal medicine, NICU, department of surgery, REDCap, the Canadian Neonatal Network (CNN) team at BCCH) finalizing clinical variables brainstorming patient-reported outcome instruments work on registry REB hired research coordinator (as of Nov 1, 2023) look for research assistants and data abstractors (to be shared with other registries at BCCH) main focus for Year 1 is to do a pilot retrospective study, and build REDCap for the prospective registry seek advice for logistic and legal liability regarding a nationwide registry (e.g., consent process, data sharing agreement, data sharing platform, etc.) funding through Ashmore Chair funds (within the Department of Surgery at BCCH) 	

(c) Type, Title, and Description:

Timeframe (mmm/yyyy- mmm/yyyy)	Sep 2020 – Current
Estimated time commitment	10 hrs/month
Role/contributions	Principal Investigator
Other Contributors	urology, Physician Quality Improvement, medical office assistants, research team
Outcomes	Access to Pediatric Urology Care: A Pilot Study in British Columbia

Dissemination/Impact/Use by Others

- Assessing geographical and timeliness barriers to accessing pediatric urology care in British Columbia
- Assessing impact of outreach program and virtual health platform
- Gathering experience input directly from patients and families
- In-person family recruitment completed
- Almost near the end of virtual family recruitment

Other News

- **K Afshar** was promoted to full Professor (GFT), Department of Urologic Sciences (Oct. 2023 retroactive to July 2021).
- **S Kim** was on parental leave from Mar 20 Sep 15, 2023



DIVISION OF PEDIATRIC NEUROSURGERY

2022-2024



FACULTY: PEDIATRIC NEUROSURGEONS



Dr. Ash Singhal
Head, Division of Pediatric Neurosurgery, BC
Children's Hospital
Postgraduate Training Program Director
Clinical Associate Professor at UBC



Dr. Mandeep Tamber Associate Head, Division of Pediatric Neurosurgery, BC Children's Hospital Assistant Professor at UBC



Dr. Faizal Haji
Neurosurgeon, Division of Pediatric
Neurosurgery, BC Children's Hospital
Assistant Professor at UBC
Graduate Program Advisor, Branch for Global
Surgical Care



Dr. Paul Steinbock
Head Emeritus of the Division of Pediatric
Neurosurgery and Professor Emeritus,
Department of Surgery at UBC

STAFF MEMBERS

Name Title

Mark Williamson Neurosurgery Nurse Practitioner

Belinda Dundon Neurosurgery Nurse Practitioner

Annika Weir Neurosurgery Research Coordinator

Isabella Watson (Former) Neurosurgery Research Coordinator

Alexander Cheong (Former) Neurosurgery Research Coordinator

Helen McGregor Administrative Assistant

Sherry Ma Registration Booking Clerk

Haley Bradshaw Administrative Assistant

Highlights and Achievements

Dr. Faizal Haji	2023; Dr. H.W. Johnson New Investigator Award 2022; Nominee, Karolinska Institute Prize for Research in Medical Education Fellowship 2022 – 2023; Canadian Neurosurgical Society K.G. McKenzie Prize in Clinical and Basic Science Research Adjudication Committee
Dr. Ash Singhal	2024; Chair Scientific, Canadian Pediatric Neurosurgery Society 2022 – Present; Examination Board, Royal College of Physicians and Surgeons of Canada – Neurosurgery 2022 – 2024; National Program Director, UBC Neurosurgery Residency 2022 – 2024; Fellowship Program Director, BCCH Pediatric Neurosurgery
Dr. Mandeep Tamber	2022; Research Director, UBC Division of Neurosurgery Residency Education Committee (REC) 2021 – Present; Faculty mentor, UBC Clinician Scientist Career Group 202 – Present; Principal Investigator leading implementation research in the HCRN, Hydrocephalus Clinical Research Network (HCRN) 2022, 2023; UBC Department of Surgery Merit Recipient (Teaching, Research, Service)

Teaching Activities

Fellows Supervised

Name	Country of Origin	Dates Supervised
Dr. Julian Zipfel	Germany	Jul 2023 – Jun 2024
Dr. Kevin Ferraris	Philippines	Jul 2022 – Jun 2024
Dr. Maryam Alotaibi	Saudi Arabia	Aug 2022 – Jun 2023
Dr. Cristina Shaurich	Brazil	Jun 2022 – Jun 2023
Dr. Ruth Mitchell	Australia	Jun 2021 – Jun 2023

Residents Supervised

Name	Country of Origin	Dates Supervised	
Dr. Michael Rizzutto	PGY 4	2023	-
Dr. Dakota Peacock	PGY 2	2023	
Dr. Roy Hilzenrat	PGY 5	2023	
Dr. Cody Lavoie (Neurology)	PGY 2	2022	
Dr. Mo Sadr	PGY 5	2022	

Students Supervised - *Undergraduate Students*

Dr. Faizal Haji

Student Name	Program Type	Dates Supervised
Nathan Katz	MSc	Sept 2023 – 2026
Harpreet Pangli	MSc	Dec 2022 – 2025
Benjamin Brakel (co-supervise)	MD	Feb 2024 – TBD
Lucas Streith	PhD	Jan 2024 – TBD
Kusai Alsalhanie	PhD	2022 – TBD

2022-2024

Katarzyna Kabacinska	PhD	2021 – TBD
Suliman Nanji	MSc	Sept 2023 – 2024
Roy Hilzenrat	MSc	Sept 2023 – 2024
Allison Chor	MD	2023 – 2024
Jigesh Khamar	MD	2023 – 2024
Jayd Adams	BSc	2023 – 2024
Kimberly Stewart	MSc	Sep 2021 – 2024
Lucas Streith	MSc	Sept 2021 – Jan 2024
Shayla Duley	MSc	Sept 2021 – 2024
Rachel Lai	MSc	May 2023 – Aug 2023
Eknoor Kaur	MD	2022 – 2023
Davy Lau	MD	Jun 2022 – Jun 2023
Catherine Binda	MD	Jan 2021 – 2023
Laryssa Kemp	MD	Sept 2021 – TBD
Apoorva Bhandari	MD	Sept 2020 – 2023

Dr. Mandeep Tamber

Student Name	Program Type	Dates Supervised
Benjamin Brakel (co-supervise)	MD	Feb 2024 – TBD
Christy Richards	MD	Jun 2023 – Aug 2023
Madeline Elder	MD	Jun 2023 – Aug 2022

S. Kim

Student Name	Program Type	Dates Supervised
Madeline Elder	MD	Jun 2024 – Aug 2024
Hana Miller	BSc	Jun 2024 – Aug 2024

Other

Name	Please Specify
Dr. Ash Singhal, Dr. Mandeep Tamber, Dr. Faizal	2022: Shwetha Suresh, Ryan Sandarage, Jessica
Haji	Wang, Pedram Laghaei, Mohammad Mashayekhi,
UBC Medical Students (Elective) Supervised:	Priscilla Chan
Pediatric Neurosurgery	2023: Kathryn McCracken, Karanpreet Dhillon, Laila
	Agha, Dhyey Bhatt, Iman Lahouaoula, Amanada
	Lee, Nicholas Mikolajewicz
	2024: Maggie Hou, Elanor Ferris (Oxford)

Scholarly & Professional Activities

Presentations/Lectures

Dr. Ash Singhal	
Presenter/facilitator at	Neurosurgery Residents: How Do We Select Them and How Do We Train Them
Continuing Medical	Optimally – A (lack of) Evidence Based Review.
Education (CME) or	UBC Division of Neurosurgery Grand Rounds, Vancouver General Hospital,
Continuing Professional	November 23, 2023.
Development (CPD)	
courses	
CME/CPD as an attendee	2022 – 2024; BC Children's Hospital Neurosurgery Case Conference
	2022 – 2024; BC Children's Hospital Epilepsy Surgery Case Conference
	2022 – 2024; BC Children's Hospital Neuroradiology Multidisciplinary Rounds
	2022 – 2024; BC Children's Hospital Mortality Review Committee
Service to the university	2022 – 2024; Residency Program Committee, University of British Columbia
Dr. Mandeep Tamber	
Courses Taught/Supervised	2022 – 2024; UBC SURG 513, Neurosurgery Postgraduate (Resident) Seminar
	Series

2022-2024

Presenter/facilitator at Continuing Medical Education (CME) or Continuing Professional Development (CPD) courses Child Health BC – Pediatric Critical Care Learning (PCCL) Online Webinar. "Under Pressure –

Things That Go Lump in the Head", February 16, 2024 (virtual).

COVID-Related Changes in the Epidemiology of Infective Intracranial Complications of Bacterial

Sinusitis in British Columbia. 22nd Annual Caribbean Neurosciences Symposium (virtual).

February 9, 2024.

Vancouver Spine Surgery Program Research Presentation. Cohort Studies.

Vancouver General

Hospital, December 6, 2023.

Vancouver Spine Surgery Program Research Presentation. Randomized Controlled Trials.

Vancouver General Hospital, November 1, 2023.

Clinical Research and Statistics Curriculum 5. Assessing an Article About a Prognosis Study.

UBC Division of Neurosurgery Grand Rounds, Vancouver General Hospital, September 21, 2023.

Epilepsy Surgery in Children. BC Radiologic Society Pediatric Radiology Update, Vancouver,

BC, May 27, 2023.

Clinical Research and Statistics Curriculum 4. Assessing an Article About a Diagnostic Test.

UBC Division of Neurosurgery Grand Rounds, Vancouver General Hospital, April 27, 2023.

Pediatric Brain Tumours. BC Children's Hospital Nursing Education Series, BC Children's

Hospital, November 21, 2022.

The Rationale for Epilepsy Surgery in Children. 5th Annual Canadian Neuroradiology Course

(virtual). November 12, 2022.

Malformations of Cortical Development. UBC Division of Neurosurgery Grand Rounds,

Vancouver General Hospital, November 10, 2022.

Clinical Research and Statistics Curriculum 3. Assessing an Article About Harm. UBC Division

2022-2024

	of Neurosurgery Grand Rounds, Vancouver General Hospital, September 8, 2022.
	Clinical Research and Statistics Curriculum 2. Assessing an Article About Therapy. UBC
	Division of Neurosurgery Grand Rounds, Vancouver General Hospital, April 28, 2022.
CME/CPD as an attendee	2024; American Society of Pediatric Neurosurgeons Annual Scientific Meeting
	2022 – 2024; BC Children's Hospital Neurosurgery Case Conference
	2022 – 2024; BC Children's Hospital Epilepsy Surgery Case Conference
	2022 – 2024; BC Children's Hospital Neuroradiology Multidisciplinary Rounds
	2022 – 2024; BC Children's Hospital Mortality Review Committee
	2022, 2024; International Society for Pediatric Neurosurgery
	2022; Congress of Neurological Surgeons (CNS) Annual Scientific Meeting
National and International	Morbidity and Mortality Related to Window-fall Injuries in Children (British
Invited Presentations	Columbia). Canadian Paediatric Trauma Rounds, March 6, 2023 (virtual).
Invited Participation Presentations	Why a Career in Academic Medicine Might be For You. Keynote Lecture. Canadian Medical Hall of Fame Discovery Days in Health Sciences. BC Children's Hospital Research Institute, November 30, 2022.
Conference Participation (Organizer, Chair,	Moderator. Functional and Epilepsy Session. 2022 Annual Meeting of the International Society
Moderator, etc.)	for Pediatric Neurosurgery, Singapore, December 2022.
Service to the community	Moderator. Guideline Session 5: Pediatric Hydrocephalus. 2022 Congress of Neurological Surgeons Annual Meeting, San Francisco, CA, October 2022. 2022 – 2024; Member, Medical Advisory Board, Hydrocephalus Canada
	2022 – 2024; Member, Hydrocephalus Canada (Steering Committee)
	2022; Member, Steering Committee, Hydrocephalus Association Community
	Research Priority Assessment
	2022 – 2024; Member, Scientific Steering Committee, Hydrocephalus Association Patient-Powered Interactive Engagement Registry (HAPPIER)
Professional Contributions	2022 – 2024; Member, Scientific Steering Committee, Hydrocephalus

2022-2024

2023 – 2024; Pediatric neurosurgery representative (Vancouver), Canadian Post-Hemorrhagic Ventricular Dilatation (PHVD) Working Group - Diagnosis and Management During the Neonatal Period 2022 – 2024; Lead, Implementation of an Early Intervention Pathway for the management of Post-Hemorrhagic Ventricular Dilatation (PHVD) at BC Children's Hospital (BCCH) 2022 – 2024; Co-Lead, BC Children's Hospital (BCCH) Intraoperative Electrocorticography (ECoG) Audit Dr. Faizal Haji Courses Taught 2023 – 2024; UBC scheduled teaching for pediatric emergency medicine fellows; Presenter 2023 – 2024; UBC Neurosurgery Professor Rounds; Presenter 2023; UBC MGSC 542, Global Surgical Care Practicum; Faculty Advisor 2023; UBC MGSC 560, Global Surgical Care Practicum; Faculty Advisor 2023; UBC Global Surgery Elective; Supervisor 2022 – 2023; UBC MHPE-Canada Compass 2 Feedback Session 2022 - 2023; UBC MEDD 419, FLEX; Instructor. 2022; UBC CEF ADH, MHPE-Canada Clinical Educator Program (CEF) Academic Half Day (AHD) Lecture Series 2021 – 2024; Queen's University MHPE program (HPE 802 course); Guest Lecturer 2021 – 2024; Centre for Health Education Scholarship Clinical Educator Fellowship (CEF) Program; Guest Lecturer 2021 – 2024; UBC Pediatrics and Neurosurgery academic half days; Presenter Presenter/facilitator at The art and science of giving effective feedback. UBC Neurosurgery Grand **Continuing Medical** Rounds, June 27, 2024. Education (CME) or **Continuing Professional** Neurovascular pathologies: perioperative management for the anesthesiologist. Development (CPD) Pediatric Anesthesia Fellow Academic Half Day, November 7, 2023. courses Neurovascular pathologies: perioperative management for the intensivist. PICU Academic Half Day, October 12, 2023.

2022-2024

	Hydrocephalus: a primer for pediatricians. Pediatric Emergency Medicine Academic Half Day, August 10, 2023.
	Haji F , Lee J, BayonaOvalles Y, Smith J. Advances in Pediatrics: Moya Moya Disease. Pediatric Grand Rounds Presentation, April 21, 2023.
	Cognitive and motor learning theory for surgical skills acquisition: a primer (Part 2). UBC Neurosurgery Grand Rounds Presentation, October 26, 2022.
	Cognitive and motor learning theory for surgical skills acquisition: a primer (Part 1). UBC Neurosurgery Grand Rounds Presentation, October 6, 2022.
CME/CPD as an attendee	2023; Chung Research Day, University of British Columbia
	2023; CHES Celebration of Scholarship, University of British Columbia
	2023; CHES Cutting Edge Speaker Series, University of British Columbia
	2022 – 2024; UBC Neurosurgery Grand Rounds, University of British Columbia
	2022 – 2024; Department of Surgery Grand Rounds, University of British Columbia
	2022 – 2024; BC Children's Hospital ICU and Oncology Mortality and Morbidity Rounds
	2022 – 2024; BC Children's Hospital Neuroradiology Rounds
	2022 – 2024; Office of Surgical Evaluation and Innovation, BC Children's Hospital
	2022 – 2023; Pediatric ICU and Pediatric Departments (Topic: Moya Moya Disease)
	2022; Neonatal ICU (Topic: Hydrocephalus)
Visiting Lecturer	The art and science of giving effective feedback. Coach the Coaches Workshop, Department of Surgery, University of Toronto, June 6, 2024.
	Opportunities and challenges in healthcare simulations scholarship: how do we move the needle? PGME & ATSSL Seminar, University of Calgary May 23, 2024.
	Perfect practice makes perfect: Insights from Cognitive Psychology and Motor Learning on Teaching and Learning Surgical Skills. Keynote Presentation, CAGS Education Session, Canadian Surgical Forum, Vancouver, BC, September 22, 2023.

2022-2024

	Medical Education in Conflict Zones and during Natural Disasters. Syrian American Medical Society (SAMS) 21st International Conference, Vancouver, BC, July 1, 2023.
	The role of simulation in psychomotor skills development. Neurosurgeon as Educator Symposium ACNS-BSNS Hybrid Conference and Workshop, Dhaka, Bangladesh, March 4,2023.
	Haji F, Dharsee N, Giuliani M. Curriculum: Context, Change, and Development. Faculty Development Workshop at the 13th AORTIC International Conference on Cancer in Africa, November 5, 2021.
Academic Appointments and Leadership Roles	2024; Conference Co-Chair, BC Children's and Women's Hospital Institute for Global Health
	2023 – 2024; Graduate Program Advisor, Masters & Graduate Certificate Program in Global Surgical Care, Department of Surgery, University of British Columbia
	2022 – 2024; Co-Chair, Educational Working Group Co-Chair, Institute for Global Health, BC Children's and Women's Hospital
	2022 – 2024; Co-Lead, Surgical Education Research Interest Group, Department of Surgery, University of British Columbia
	2022 – 2024; Associate Director, Global Surgery Lab, Department of Surgery, University of British Columbia
	2022 – 2024; Scholar, Centre for Heath Education Scholarship (CHES), University of British Columbia
	2022 – 2024; Scholar, Centre for Health Education Scholarship, Department of Surgery, University of British Columbia
	2022 – 2024; Investigator, Evidence to Innovation Theme, BC Children's Hospita Research Institute
Other Teaching and Learning Activities	Examiner, Neurosurgery Senior Resident Practice Oral Examination, Pediatric Cases, April 14, 2022.
	Examiner, Neurosurgery Resident Practice Oral Examination, Pediatric Cases, December 1, 2022.
Regional, National, and International Invited Presentations	Surgical judgement and decision making: a novel perspective. Keynote presentation, Canadian Surgery Forum (Canadian Association of General Surgeons), Vancouver, BC, September 22, 2023.

2022-2024

Medical Education in Conflict Zones and during Natural Disasters. Syrian American Medical Society (SAMS) 21st International Conference, Vancouver, BC, July 1, 2023. The role of simulation in psychomotor skills development. Neurosurgeon as Educator Symposium ACNS-BSNS Hybrid Conference and Workshop, Dhaka, Bangladesh, March 4, 2023. Capacity building for pediatric epilepsy surgery in Vietnam: a model for international collaboration. Presented to the Canadian Global Surgery Trainee's Alliance, Feb 10, 2022. **Invited Participation** Haji F, Thistle P, Falk R, Joharifard S. Rural Coordination Centre of British Columbia Rural Surgery Rounds. Global Surgery Panel Discussion, July 11, 2023. Moderator. International Conference on Academic Medicine (ICAM), Conference Participation (Organizer, Chair, Vancouver, BC, April 12-15, 2024. Moderator, etc.) Co-Chair. 2024 Institute for Global Health Conference, Vancouver, BC, April 11, 2024. Judge/Moderator. 2023 Chung Research Day (Department of Surgery), Vancouver, BC, November 6, 2023. Rural Coordination Centre of British Columbia Rural Surgery Rounds. Global Surgery Panel Discussion, Vancouver, BC, October 11, 2023. Moderator. 2023 Center for Health Education Scholarship (CHES) Celebration of Scholarship, Vancouver, BC, October 3, 2023. Scholarship of Education 2022 - 2024; Advisor. BCCH Simulation Centre - supporting a business case for Activities a new Medical Director position for the Simulation Lab at BCCH (System Innovation) 2022 – 2023; Neurosurgery representative. BCCH Vision Loss in Pediatric Oncology Patients Working Group (Quality Improvement) 2023 – 2024; Co-chair. BCCWH Institute for Global Health 2024 Global Health Conference 2023 – 2024; Co-lead. BCCH Pediatric Moya Moya Audit 2023 – 2024; BCCH Multidisciplinary Pediatric Neurovascular Patient Management Working Group (Quality Improvement, Team Science) 2023 – 2024; Scholar at the Center for Health Education Scholarship (CHES). **Educational Scholarship Consultation for Visiting Scholars**

Grants and Funding Received

Granting Agency	Title	COMP	\$ Per Year	Year	Principle Investigator	Co- Investigator(s)
BC Children's Hospital Research Institute (BCCHRI)	Datamining Patient Characteristics to Prognosticate Pediatric Epilepsy Surgery— A Retrospective Cohort Study	COMP	3.6M CAD (Total)	2023– 2026	M S Tamber	M Connolly M Görges T van Rooij B Bjornson
BC Children's Hospital Research Institute (BCCHRI)	Surgical-Scientist Startup Grant (development of pediatric epilepsy surgery registry)	NON- COMP	50000 (Total)	2020- 2024	M S Tamber	
UBC Department of Surgery	Surgical-Scientist Startup Grant (development of pediatric epilepsy surgery registry	NON- COMP	50000 (Total)	2020- 2024	M S Tamber	
BC Children's Hospital Research Institute (Catalyst Grant)	Treatment of Medically Refractory Epilepsy due to Focal Cortical Dysplasia with mTOR inhibitor Sirolimus	COMP	20000	2020- 2023	A Datta	M S Tamber
National Institutes of Health (NIH) / National Institute of Neurological Disorders and Stroke (NINDS)	NIH U01NS107486- 01A1: Endoscopic versus Shunt Treatment of Hydrocephalus in Infants (ESTHI)	COMP	1.35M USD (Total)	2019-2026	J Kestle (University of Utah) A Kulkarni (University of Toronto) D Limbrick (Washington University at St. Louis)	M S Tamber
Royal College Foundation Canadian Aid and Action Fund	Creating a virtual education platform for rural surgical providers across Canada	СОМР	45,000	2024- 2027	E. Joos	F. Haji
Royal College International (International	Implementation of Essential Surgical Skills Training in	COMP	90,000	2024- 2027	S. Joharifard	F. Haji

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Development, Aid and Collaboration Grant)	Rural Central African Republic					
Royal College International (International Development, Aid and Collaboration Grant)	Developing post- graduate Surgical Oncology training in West Africa	COMP	90,000	2024- 2027	S. Nanji	F Haji
Royal College of Physicians and Surgeons of Canada	Clinical Investigator Program	NON- COMP	60,000	2024- 2026	L Streith	F Haji
Royal College of Physicians and Surgeons of Canada Robert Maudsley Fellowship for Studies in Medical Education	Transition to practice: exploring how new-to-practice surgeons navigate the tensions between competing roles	COMP	45,000	2023- 2025	K Stewart	F Haji K Eva
Canadian Association for Medical Education Learner Health Professions Education Grant	Dissecting surgical cognition: exploring anatomy knowledge in surgeons' decision-making	COMP	5,000	2023- 2024	L Streith	F Haji P Teunissen
Royal College of Physicians and Surgeons of Canada Karen Mann Catalyst Grant in Medical Education	Dissecting surgical cognition: exploring anatomy knowledge in surgeons' decision-making	COMP	30,000	2023- 2024	L Streith	F Haji P Teunissen
BC Children's Hospital Foundation	Surgical Technique Educational Leave for Leading Advancements (STELLA) Scholarship	NON- COMP	6,000	2023	F Haji	
Department of Surgery Startup Grant	Startup Funds for Dr. Haji's Research Program	COMP	60,000	2022- 2026	F Haji	
BCCHRI Investigator Establishment Award	Startup Funds for Dr. Haji's Research Program	NON- COMP	150,000	2022- 2025	F Haji	
UBC Department of Surgery Seed Grant	Improving assessment and training in craniosynostosis: the role of	COMP	12,500	2022- 2024	F Haji	E Henkleman D Courtemanche S Salhi A Singhal M Tamber

2022-2024

	interactive 3D models and multimodal e- learning					J Jacobs
SEAMO Global Health Project Development Fund	Collaborative development of a competency-based surgical oncology fellowship program in West Africa	COMP	48,200	2022- 2024	S Nanji	F Haji S Merchant C Doiron N Hammad S Berry S.M.
Canadian Association for Medical Education	Understanding learner and instructor perspectives on engagement in healthcare simulation	COMP	5,000	2021- 2024	F Haji	N Dalgarno H Braund
SEAMO Endowed Scholarship and Education Fund	Untangling the equity, diversity, and inclusion (EDI) dimensions of the 2015 CanMEDS competency framework: Implications for medical teaching, learning, and practice	COMP	14,486	2021-2023	A Collier	F Haji N Hammad M Joneja N Dalgarno K Kolomitro N Cofie
SEAMO Endowed Scholarship and Education Fund	Exploring the Integration and Assessment of the CanMEDS Roles During Virtual Care Encounters	COMP	14,997	2021- 2023	R Appireddy	F Haji W Chung B Zevin S Mann N Dalgarno H Braund
SEAMO Endowed Scholarship and Education Fund	Development and validation of competency-based assessment tools for point of care ultrasound (pocus) in perioperative anesthesia	COMP	14,950	2020- 2022	G Mizubuti	F Haji H Braund A Szulewski N Dalgarno H Hobbs A Ho S Shatenko S Maxwell R Arellano
SEAMO Endowed Scholarship and Education Fund	Telemedicine and medical education: a systematic review	COMP	15,000	2020- 2022	R Appireddy	F Haji S McKeown H Braund N Dalgarno N Katz

SEAMO Endowed Scholarship and Education Fund	Factors affecting residents' engagement in research: an institutional survey of Queen's University postgraduate trainees	COMP	14,875	2020- 2022	F Haji	S Chahine H Braund
Clinical Teachers Association of Queen's	A pilot study of physician and resident experiences and perceived barriers of using virtual care to inform the development of a digital health curriculum	COMP	20,000	2020- 2022	R Appireddy	F Haji N Bendehan N Dalgarno H Braund

^{*}Indicate under COMP whether grants were obtained competitively (C) or non-competitively (NC)

Committee Participation

Name	Committee
Dr. Mandeep Tamber	2023; Search Committee, Academic Functional Neurosurgeon, Vancouver General Hospital and UBC
	2023; BC Children's Hospital Department of Surgery External Review Committee Member
	2022 – 2024; Chair, Mortality Review Committee, BC Children's Hospital and BC Women's Hospital,
	2022 – 2024; Research Director, UBC Division of Neurosurgery Residency Education Committee (REC)
	2022 – 2024; Member, UBC Department of Surgery Awards Committee
	2022 – 2024; Chair, Mortality Review Committee, BC Children's Hospital and BC Women's Hospital
	2022 – 2024; Member, UBC Department of Surgery Merit Committee
	2022; UBC Department of Surgery Appointment, Tenure and Promotion Committee member for
	consideration of appointment of Dr. Graziano Oldani (General Surgery) at rank of Assistant

Professor	tenure	track)	
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Dr. Faizal Haji

2023 – 2024; Moderator, Chair for Department of Surgery Chung Research Day and CHES Celebration of Scholarship moderator, University of British Columbia

2023 – 2024; Member, Royal College Research and Evaluation Management Advisory Committee (REAC)

2023 – 2024; Member, Royal College Research and Evaluation Advisory Committee

2023 – 2024; Member, Royal College of Physicians and Surgeons of Canadian CanMEDS 2025 e-Panel (Scholar Role)

2023 – 2024; Member, Graduate and Postdoctoral Studies Education Committee, Faculty of Medicine, University of British Columbia

2023 – 2024; Member, Global Health Program Development Advisory Council, Faculty of Medicine, University of British Columbia

2023 – 2024; Member, Research Committee, Department of Surgery, Faculty of Medicine, University of British Columbia

2023 – 2024; Member, Simulation Advisory Committee, Faculty of Medicine, University of British Columbia

2023 – 2024; Co-Chair, 2024 BC Women and Children's Hospital Institute for Global Health Conference (IGHC)

2023 – 2024; Co-Chair, Education Working Group, Institute for Global Health, BC Women's, and Children's Hospital

2023 – 2024; Faculty/Instructor, Canadian Neurosurgery Rookie Camp

2022 – 2024; Member, Centre for Health Education Scholarship Celebration of Scholarship Planning Committee

2022 – 2024; Co-Chair, Pediatric Neurovascular Multidisciplinary Care Conference

2022 – 2024; Surgery Representative, BCCH Infection Control Committee

2022 – 2024; Neurosurgery Representative, BCCH Trauma Steering Committee

2022 – 2024; Member, BCCH Spinal Cord Clinic Research Committee

2022 – 2024; Member, Clinical Educator Fellowship Selection Committee, Centre for Health Education Scholarship 2023, Faculty of Medicine, University of British Columbia

2022 – 2024; Member, Residency Education Committee, Division of Neurosurgery, Department of Surgery, University of British Columbia

2022 – 2023; Neurosurgery Representative, BCCH Vision Loss in Pediatric Oncology Patients Working Group

Publication Records

Name(s)	Publication
Dr. Mandeep Tamber (Journal)	Schaurich CG, Steinbok P, Tamber MS , et al. Allometry of Human Calvaria Bones During Development From Birth to 8 Years of Age. <i>Scientific Reports</i> . 2024 [in revision]
Dr. Mandeep Tamber (Journal)	Yahanda AT, Koueik J, Ackerman LL, Mandeep MS , et al. The role of occipital condyle and atlas anomalies on occipital cervical fusion outcomes in Chiari malformation type 1 with syringomyelia: a study from the Park-Reeves Syringomyelia Research Consortium. <i>J Neurosurg Pediatr</i> . 2023;34(1):66-74. Published 2024 Apr 5. doi:10.3171/2024.1.PEDS23229
Dr. Mandeep Tamber (Journal)	Verhey LH, Kulkarni AV, Reeder RW, Mandeep MS , et al. A re-evaluation of the Endoscopic Third Ventriculostomy Success Score: a Hydrocephalus Clinical Research Network study. <i>J Neurosurg Pediatr</i> . 2024;33(5):417-427. Published 2024 Feb 9. doi:10.3171/2023.PEDS23401
Dr. Mandeep Tamber (Journal)	Tamber MS , Jensen H, Clawson J, et al. Shunt infection prevention practices in Hydrocephalus Clinical Research Network-Quality: a new quality improvement network for hydrocephalus management. <i>J Neurosurg Pediatr</i> . 2023;33(2):157-164. Published 2023 Nov 24. Doi:10.3171/2023.10.PEDS23297
Dr. Mandeep Tamber (Journal)	Ravindra VM, Jensen H, Riva-Cambrin J, Tamber MS et al. Comparison of outcomes in the management of abdominal pseudocyst in children with shunted hydrocephalus: a Hydrocephalus Clinical Research Network study. <i>J Neurosurg Pediatr</i> . 2023;32(3):312-323. Published 2023 Jun 9. doi:10.3171/2023.4.PEDS23129

Dr. Mandeep Tamber (Journal)	Crofts H, Mankowski P, Tamber MS , Courtemanche DJ. Head Shape After Sagittal Craniosynostosis Surgery: Open Versus Endoscopic Strip Craniectomy. <i>Plastic Surgery</i> . 2023;0(0). Published 2023 Jul 10. doi:10.1177/22925503231184262
Dr. Mandeep Tamber (Journal)	Fountain C, Ghuman H, Paldino M, Tamber MS , Panigrahy A, Modo M. Acquisition and Analysis of Excised Neocortex from Pediatric Patients with Focal Cortical Dysplasia Using Mesoscale Diffusion MRI. <i>Diagnostics (Basel)</i> . 2023;13(9):1529. Published 2023 Apr 24. Doi:10.3390/diagnostics13091529
Dr. Mandeep Tamber (Journal)	Dewan MC, Isaacs AM, Cools MJ, Tamber MS , et al. Treatment of hydrocephalus following posterior fossa tumor resection: a multicenter collaboration from the Hydrocephalus Clinical Research Network. <i>J Neurooncol</i> . 2023;163(1):123-132. doi:10.1007/s11060-023-04316-4
Dr. Mandeep Tamber (Journal)	Jakopin NE, Myong E, Bogucki T, Tamber MS , et al. Establishing ranked priorities for future hydrocephalus research. <i>J Neurosurg</i> . 2022;139(2):492-501. Published 2022 Dec 9. Doi:10.3171/2022.10.JNS22753
Dr. Mandeep Tamber (Journal)	Rocque BG, Jensen H, Reeder RW, Tamber MS , et al. Endoscopic third ventriculostomy in previously shunt-treated patients. <i>J Neurosurg Pediatr</i> . 2022;30(4):428-436. Published 2022 Jul 29. doi:10.3171/2022.6.PEDS22177
Dr. Mandeep Tamber (Journal)	Arynchyna-Smith A, Rozzelle CJ, Jensen H, Tamber MS , et al. Endoscopic third ventriculostomy revision after failure of initial endoscopic third ventriculostomy and choroid plexus cauterization. <i>J Neurosurg Pediatr</i> . 2022;30(1):8-17. Published 2022 Apr 22. doi:10.3171/2022.3.PEDS224
Dr. Mandeep Tamber (Journal)	Akbari SHA, Yahanda AT, Ackerman LL, Tamber MS , et al. Complications and outcomes of posterior fossa decompression with duraplasty versus without duraplasty for pediatric patients with Chiari malformation type I and syringomyelia: a study from the Park-Reeves Syringomyelia Research Consortium. <i>J Neurosurg Pediatr</i> . 2022;30(1):39-51. Published 2022 Apr 15. doi:10.3171/2022.2.PEDS21446
Dr. Mandeep Tamber and Dr. Ash Singhal (Journal)	Fouladirad S, Cheong A, Singhal A , Tamber MS , McDonald PJ. A qualitative study of transitioning patients with hydrocephalus to pediatric to adult care: fear of uncertainty, communication gaps, independence, and loss of relationships. <i>J Neurosurg</i>

	Pediatr. 2022;30(1):1-7. Published 2022 Apr 8.
	Doi:10.3171/2022.2.PEDS21419
Dr. Mandeep Tamber	Steinbok P, Cheong A, Dix DB, Tamber MS , et al.
(Journal)	Nonoperative Management of Childhood Calvarial
	Langerhans-Cell Histiocytosis. N Engl J Med.
	2022;386(26):2532-2534. doi:10.1056/NEJMc2203820
Dr. Mandeep Tamber	Chan N, Tamber MS. Early Intervention for
(Conference Proceeding)	Intraventricular Hemorrhage in Premature Infants: A
	Quality Improvement Initiative. 2022 EPIQ (Evidence-
	based Practice for Improving Quality) Conference, Feb
	2022. [virtual meeting due to COVID-19]
Dr. Mandeep Tamber and Dr. Ash Singhal	Fouladirad S, Cheong A, Tamber MS, Singhal A ,
(Conference Proceeding)	McDonald PJ. A Qualitative Study of
	Transitioning Patients with Hydrocephalus from
	Pediatric to Adult Care: Fear of Uncertainty,
	Communication, Independence and Loss of
	Relationships. Canadian Neurological Sciences
	Federation Annual Congress, Montreal, QC, June 2022
Dr. Mandeep Tamber and Dr. Ash Singhal	Chang S, Singhal A, Tamber MS. Spatiotemporal
(Conference Proceeding)	Mapping and Decoding of Oculomotion in the
	Pediatric Frontal Eye Field. Canadian Neurological
	Sciences Federation Annual Congress,
	Montreal, QC, June 2022. 2nd place prize for KG
	McKenzie Basic Neuroscience Award for S.
	Chang (MS Tamber senior mentor)
Dr. Mandeep Tamber and Dr. Ash Singhal	Chang S, Mashayekhi M, Joshi H, Singhal A, Tamber
(Conference Proceeding)	MS. Spatiotemporal Mapping and
	Decoding of Oculomotion in the Pediatric Frontal Eye
	Field. Canadian League Against Epilepsy
	Annual Meeting, Kelowna, BC, September 2022. (<u>UBC</u>
	Neurosurgery Resident)
Dr. Mandeep Tamber and Dr. Ash Singhal	Lamothe M, Mitchell R, Chang S, Singhal A, Tamber
(Conference Proceeding)	MS. Preventing falls from windows in the
	children of British Columbia. Oral Presentation, 2022
	Canadian Injury Prevention Conference,
	Vancouver, BC, November 2022. [M Lamothe (UBC
	Undergraduate Medical Student), R Mitchell
	(UBC Pediatric Neurosurgery Fellow), S Chang (UBC
	Neurosurgery Resident)]
Dr. Mandeep Tamber and Dr. Ash Singhal	Chang S, Singhal A, Tamber MS. Spatiotemporal
(Conference Proceeding)	Mapping and Decoding of Oculomotion in the
	Pediatric Frontal Eye Field. Oral Presentation. 2022
	Annual Meeting of the Society for
	Neuroscience, San Diego, CA, November 2022. (<u>UBC</u>
	Neurosurgery Resident)

Dr. Mandeep Tamber and Dr. Ash Singhal (Conference Proceeding)	Mitchell R, Lamothe M, Chang S, Singhal A, Tamber MS. Preventing Falls from Windows in the Children of British Columbia. Oral Presentation. 2022 Annual Meeting of the International Society for Pediatric Neurosurgery, Singapore, December 2022. (UBC Pediatric Neurosurgery Fellow)
Dr. Mandeep Tamber and Dr. Ash Singhal (Conference Proceeding)	Chang S, Singhal A, Tamber MS. Spatiotemporal Mapping and Decoding of Oculomotion in the Pediatric Frontal Eye Field. Oral Presentation. 2022 Annual Meeting of the International Society for Pediatric Neurosurgery, Singapore, December 2022. (UBC Neurosurgery Resident)
Dr. Mandeep Tamber (Conference Proceeding)	Sader N, Riva-Cambrin JRC, Keough MB, Tamber MS , et al. "Inappropriate" Spinal Ultrasounds for Suspected Occult Spinal Dysraphism. Oral Presentation, 2022 Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery, Washington, DC, December 2022. (supervised UBC student H Uppal for this study)
Dr. Mandeep Tamber and Dr. Ash Singhal (Conference Proceeding)	Ferraris KP, Mabilangan K, Aguilar JF, Haji F, Connolly M, Tamber MS , Singhal A . Access to Epilepsy Surgery by Children from the Developing World: Advancing the Policy Framework and Implementation Science. Oral Presentation, AANS/CNS Section on Pediatric Neurological Surgery, Washington, DC, December 2022. (UBC Pediatric Neurosurgery Fellow)
Dr. Mandeep Tamber (Conference Proceeding)	Tamber MS, Jensen H, Clawson J, et al. HCRNq: A new Quality-Improvement Network for Hydrocephalus Management. 2022 Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery, Washington, DC, December 2022
Dr. Mandeep Tamber (Conference Proceeding)	Tamber MS, Jensen H, Clawson J, Holubkov R, Nunn N, Wellons J, Smith J, Martin J, Kestle JRW. HCRNq: A new Quality-Improvement Network for Hydrocephalus Management. 2022 Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery, Washington, DC, December 2022
Dr. Mandeep Tamber (Conference Proceeding)	Jakopin NE, Myong E, Bogucki T, Tamber MS , et al. Establishing Ranked Priorities for Future Hydrocephalus Research. 15th Meeting of the Hydrocephalus Society, Hamburg, Germany, August 2023

Dr. Mandeep Tamber, Dr. Ash Singhal, Dr. Faizal Haji (Conference Proceeding)	Richards C, Watson I, Singhal A, Haji F, Tamber MS. COVID-Related Changes in the Epidemiology of Infective Intracranial Complications of Bacterial Sinusitis in British Columbia. Poster Presentation, AANS/CNS Section on Pediatric Neurological Surgery, Oklahoma City, OK, December 2023. (UBC Undergraduate MD Student)
Dr. Mandeep Tamber, Dr. Ash Singhal, Dr. Faizal Haji	Richards C, Watson I, Singhal A , Haji F , Tamber MS . COVID-Related Changes in the Epidemiology of
(Conference Proceeding)	Infective Intracranial Complications of Bacterial
	Sinusitis in British Columbia. Oral Presentation, 47th
	Annual Meeting of the American Society of Pediatric
	Neurosurgery Annual Meeting, Maui, HI, January 2024. (UBC Undergraduate MD Student)
Dr. Mandeep Tamber, Dr. Ash Singhal, Dr.	Elder M, Watson I, Weir A, Singhal A, Haji F, Tamber
Faizal Haji	MS. Implementation of BC Children's Hospital
(Conference Proceeding)	Intraventricular Hemorrhage of Prematurity
	Management Pathway: A Quality
	Improvement Analysis. E-poster. 2024 Canadian
	Neurological Sciences Foundation Congress,
	Toronto, ON, May 2024. (UBC Undergraduate MD
D. Manda e Tanka	Student)
Dr. Mandeep Tamber	Malhotra AK, Kulkarni AV, Verhey LH, Tamber MS , et
(Conference Proceeding)	al. Does Machine Learning Improve Prediction
	Accuracy of the Endoscopic Third Ventriculostomy Success Score? A Contemporary Hydrocephalus
	Clinical Research Network Cohort Study. Oral
	Presentation. 2024 Annual Meeting of the
	International Society for Pediatric Neurosurgery,
	Toronto, ON, October 2024.
Dr. Mandeep Tamber	Elder M, Watson I, Weir A, Singhal A, Haji F, Tamber
(Conference Proceeding)	MS. Implementation of an Early
	Intervention Management Pathway for
	Intraventricular Hemorrhage of Prematurity: A Quality
	Improvement Analysis Including Resource Utilization.
	Oral poster. 2024 Annual Meeting of the International
	Society for Pediatric Neurosurgery, Toronto, ON, October 2024. (UBC
	Undergraduate MD Student)
Dr. Mandeep Tamber	Zipfel J, Ferraris KP, Mitchell R, Tamber MS. Traumatic
(Conference Proceeding)	Brain Injury and Other
	Multisystem Injuries Following Unintentional Falls: a
	14-year retrospective Cohort Study of 816
	Children. Oral poster. 2024 Annual Meeting of the
	International Society for Pediatric

	Neurosurgery, Toronto, ON, October 2024. (UBC Pediatric Neurosurgery Fellows)
Dr. Mandeep Tamber (Invited Commentary)	Tamber MS. Invited Commentary on: Skin Antisepsis before Surgical Fixation of Extremity Fractures. PREP-IT Investigators. NEJM 390:409-420, 2024. Medscape Medical News, February 7, 2024. https://www.medscape.com/viewarticle/presurgeryskin-antisepsis-affectspatient-infection-risk-
Dr. Faizal Haji	2024a10002ng?form=fpf [accessed 15 April 2024] Braund H, Dalgarno N, Chan-Nguyen S, Haji FA et al.
(Journal)	Exploring Patient Advisors' Perceptions of Virtual Care Across Canada: Qualitative Phenomenological Study. <i>J Med Internet Res.</i> 2023;25:e45215. Published 2023 Nov 23. doi:10.2196/45215
Dr. Faizal Haji (Journal)	Binda CJ, Adams J, Livergant R, Haji FA et al. Defining a Framework and Evaluation Metrics for Sustainable Global Surgical Partnerships: A Modified Delphi Study. <i>Ann Surg</i> . 2024;279(3):549-553. doi:10.1097/SLA.0000000000006058
Dr. Faizal Haji	McQueen SA, Haji FA , Figueroa EL, Sallam Y, Ang LC,
(Journal)	Duggal N. Intradural-extramedullary Spinal Cavernoma. <i>Can J Neurol Sci</i> . 2023;50(5):797-802. doi:10.1017/cjn.2022.287
Dr. Faizal Haji	Santyr B, Abbass M, Chalil A, Haji FA et al. High-
(Journal)	fidelity, simulation-based microsurgical training for neurosurgical residents. <i>Neurosurg Focus</i> . 2022;53(2):E3. doi:10.3171/2022.5.FOCUS22188
Dr. Faizal Haji	Bhandari A, Gariscsak P, Kemp L, Haji FA . Evaluating
(Conference Proceeding)	the effectiveness of video-assisted informed consent in surgery: a systematic review. <i>Can J Surg/J can chir</i> 2022; 65 (6 Suppl 1). Page S22.
Dr. Faizal Haji	Santyr B, Abbass M, Chalil A, Haji FA et al. High-fidelity
(Conference Proceeding)	simulation-based microsurgical training for neurosurgical residents. <i>Can J Neurol Sci</i> . 2022. 49(S1): S46. doi:10.1017/cjn.2022.233
Dr. Faizal Haji	McQueen S, Haji FA, Lucar Figueroa E et al. Intradural-
(Conference Proceeding)	extramedullary spinal cavernoma with nerve root association: a case report and review of the literature. <i>Can J Neurol Sci.</i> 2023; 49(S1): S52. doi:10.1017/cjn.2022.252
Dr. Faizal Haji	Abebe M, Khan R, Mekasha A, Sokladaris S, Haji F .
(Conference Proceeding)	Neurosurgery training in a low-income country: an evaluation of neurosurgical residents' and graduates' perspectives following completion of an international partnership. <i>Can J Surg.</i> 2022; 65(4 Suppl 1). DOI: 10.1503.cjs.007622

Dr. Faizal Haji (Conference Proceeding) Dr. Faizal Haji (Conference Proceeding)	Gariscsak P, Braund H, Haji F . Does Sequence Matter? Effect of Simulated Environment Complexity on Cognitive Load and Learning. Accepted for Oral Presentation at the International Conference on Academic Medicine, Vancouver, BC, April 12-15, 2024. Streith L, Teunissen P, Haji F . At It's Core: The Foundational Role of Anatomy in Surgical Communication, Decision-Making, and Practice.
	Accepted for Oral Presentation at the International Conference on Academic Medicine, Vancouver, BC, April 12-15, 2024.
Dr. Faizal Haji (Conference Proceeding)	Binda C, Adams J, Livergant R, Haji F et al. Defining a Framework and Evaluation Metrics for Sustainable Global Surgical Partnerships: A Modified Delphi Study. Oral Presentation at the UBC Department of Surgery Chung Research Day, November 6, 2023.
Dr. Faizal Haji (Conference Proceeding)	Mizubuti GB, Arellano R, Maxwell S, Haji F et al. Identifying Resident Competencies for Point-of-Care Ultrasound in Anesthesia Using a National Delphi Method. Accepted for oral presentation at the International Conference on Residency Education, Halifax, NS, October 19-21, 2023.
Dr. Faizal Haji (Conference Proceeding)	Alhasanie K, Haji F , Eva K, Walker J. The Implications of Geopolitical Conflicts on Medical Education Systems: Lessons from the Syrian War. Oral Presentation, 2023 CHES Celebration of Scholarship, Vancouver, BC, October 3, 2023.
Dr. Faizal Haji (Conference Proceeding)	Haji F , Streith L. What makes an expert, an expert? Roundtable Presentation, 2023 CHES Celebration of Scholarship, Vancouver, BC, October 3, 2023.
Dr. Faizal Haji (Conference Proceeding)	Streith L, Teunissen P, Haji F . Surgical anatomy as praxis: an initial exploration into surgical cognition. Oral Presentation, 2023 CHES Celebration of Scholarship, Vancouver, BC, October 3, 2023
Dr. Faizal Haji (Conference Proceeding)	Lai R, Dundon B, Williamson M, Haji F. Creating a database to track the natural history and surgical outcomes of pediatric patients with spinal dysraphism followed in the British Columbia Children's Hospital Spinal Cord Clinic. Presented at the BCCH research institute research day, July 27, 2023.
Dr. Faizal Haji (Conference Proceeding)	Lai R, Jin F, Parrotta I, Dundon B, Williamson M, Haji F. Creating a Database for the Neurosurgical Natural Histories of Spinal Dysraphisms amongst the Pediatric Population at the British Columbia Children's Hospital's Spinal Cord Clinic. July 27, 2023. SA

Dr. Faizal Haji (Conference Proceeding)	Binda C, Adams J, Livergant R, Haji F et al. Defining a framework and evaluation metrics for sustainable global surgical partnerships: A modified Delphi study. Oral presentation at the 2023 Bethune Round Table, Toronto, ON, May 27-29, 2023.
Dr. Faizal Haji (Conference Proceeding)	Bhandari A, Gariscsak P, Kemp L, Haji F . Evaluating the Impact of Video-Assisted Informed Consent in Surgery: A Systematic Review. Accepted for oral presentation at the International Congress on Academic Medicine 2023, Quebec City, QC, April 13-18, 2023.
Dr. Faizal Haji, Dr. Mandeep Tamber, Dr. Ash Singhal (Conference Proceeding)	Ferraris KP, Mabilangan K, Aguilar JF, Haji F , Conolly M, Tamber MS , Singhal A . Access to Epilepsy Surgery by Children from the Developing World: Advancing the Policy Framework and Implementation Science. Accepted for an Oral Presentation for the 2022 joint section on Pediatric Neurological Surgery Annual Meeting, Washington, DC, December 1-4, 2022.
Dr. Faizal Haji (Conference Proceeding)	Khan R, Haji F . Do Words Matter? De(constructing) Constructs in Health Professions Education. Roundtable Discussion at the 2022 CHES Celebration of Scholarship, Vancouver, BC, October 12, 2022. SA
Dr. Faizal Haji (Conference Proceeding)	Gariscsak P, Braund H, Haji F . Does Sequence Matter? Effect of Simulated Environment Complexity on Cognitive Load and Learning. Oral presentation at the CHES Celebration of Scholarship, Vancouver, BC, October 12, 2022.
Dr. Faizal Haji (Conference Proceeding)	Streith L, Regehr G, Haji F . Dissecting surgical cognition: exploring the use of anatomy knowledge in surgeons' decision-making. Poster presentation at the CHES Celebration of Scholarship, Vancouver, BC, October 12, 2022. SA
Dr. Faizal Haji (Conference Proceeding)	Stewart K, Eva K, Haji F . The exploration of new to practice surgeons as surgical educators: navigating the tensions between competing roles. Oral presentation at the CHES Celebration of Scholarship, Vancouver, BC, October 12, 2022. SA
Dr. Faizal Haji (Conference Proceeding)	Bhandari A, Gariscsak P, Kemp L, Haji F . Evaluating the Impact of Video-Assisted Informed Consent in Surgery: A Systematic Review. Oral presentation at the Canadian Conference for the Advancement of Surgical Education (C-CASE), Montreal, QC, October 13th, 2022.
Dr. Faizal Haji (Conference Proceeding)	Lau D, Watson I, Henkleman E, Haji F . Improving Assessment and Training in Craniosynostosis: The Role of Interactive 3D Models and Multimodal e-Learning.

	Poster presented at the BCCH Poster Day, July 28,
	2022.
Dr. Faizal Haji	McQueen S, Haji FA , Lucar Figueroa E. P. 171
(Conference Proceeding)	Intradural-extramedullary spinal cavernoma with
	nerve root association: a case report and review of the
	literature. Presented at the Canadian Neurological
	Sciences Federation 2022 Congress, June 24, 2022.
Dr. Faizal Haji	Abebe M, Khan R, Mekasha A, Sokladaris S, Haji F .
(Conference Proceeding)	Neurosurgery training in a low-income country: an
	evaluation of neurosurgical residents' and graduates'
	perspectives following completion of an
	international partnership. Oral presentation at the
	2022 Bethune Round Table on Global Surgery,
	Vancouver, BC, June 16-18, 2022.
Dr. Faizal Haji	Gariscsak P, Braund H, Haji F. Does Sequence Matter?
(Conference Proceeding)	Effect of Simulated Environment Complexity on
	Cognitive Load and Learning. Poster presentation,
	13th International Cognitive Load Theory Conference,
	Kingston, Canada, September 20-22, 2022.
Dr. Ash Singhal	Zipfel J, Kerscher SR, Dhillon K, Ferraris KP, Singhal A.
(Journal)	Optic nerve sheath diameter correlates with both
	success and failure of hydrocephalus treatment in
	pediatric patients with pineal region tumors. Acta
	Neurochir. 2024; 166. doi: 10.1007/s00701-024-
	06122-x
Dr. Ash Singhal	Woerdeman PA, Klieverik VM, Cheong A, Singhal A,
(Journal)	Cochrane D, Steinbok P. Patient-reported outcome
	measures more than fifteen years after treatment of
	sagittal or metopic craniosynostosis: a prospective
	cohort study. Childs Nerv Syst. 2024;40(3):769-777.
	doi:10.1007/s00381-023-06202-w
Dr. Ash Singhal	Klieverik VM, Singhal A , Woerdeman PA. Cosmetic
(Journal)	satisfaction and patient-reported outcomes following
	surgical treatment of single-suture craniosynostosis: a
	systematic review. Childs Nerv Syst. 2023;39(12):3571-
	3581. doi:10.1007/s00381-023-06063-3
Dr. Ash Singhal	Ronsley R, Triscott J, Stanek J, Singhal A , et al.
(Journal)	Outcomes of a radiation sparing approach in
	medulloblastoma by subgroup in young children: an
	institutional review. Childs Nerv Syst. 2023;39(8):2095-
	2104. doi:10.1007/s00381-023-05918-z
Dr. Ash Singhal	Watson I, McDonald PJ, Steinbok P, Graeber B, Singhal
(Journal)	A. Acetazolamide to treat symptomatic ruptured
•	arachnoid cysts: illustrative cases. J Neurosurg Case
	Lessons. 2022;3(16):CASE21462. Published 2022 Apr
	18. doi:10.3171/CASE21462

Initiatives in Progress

Name	Initiative
Dr. Ash Singhal, Dr. Mandeep Tamber, Dr. Faizal Haji	2022 – 2024; Children falling out of windows during the summer, BC Children's Hospital public health campaign
Dr. Tamber	2024; Head and creator of the Canada wide epilepsy surgery registry "Surgical Treatment of Epilepsy in Pediatrics (STEPS)"

