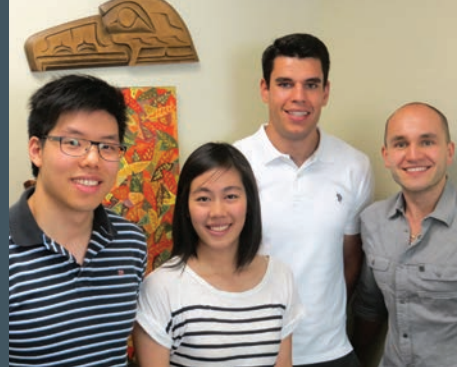




ANNUAL ACHIEVEMENT REPORT 2013/14

Office of Pediatric Surgical Evaluation & Innovation



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ANNUAL ACHIEVEMENTS REPORT



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**DR. ERIK
SKARSGARD**

Chief of Surgery

Responsible for site specific effective delivery of clinical services; strategic and policy advice; site medical administration; quality monitoring and improvement; and support for teaching and research.



**MR. DAMIAN
DUFFY**

Executive Director

Responsible for all OPSEI business operations and overall program management.



**MR. LENNY
ZHOU**

Operations Research Analyst

Responsible for conducting various operations research studies and projects to improve hospital efficiencies and patient quality of care.



**MRS. BINDY
SAHOTA**

**Academic Administrative
Assistant**

Responsible for all academic support to the Pediatric Surgeons and coordinates undergraduate and postgraduate training programs.



**MR. NATHAN
O'HARA**

Program Manager

Responsible for academic and research activities and coordination of global health initiatives.



**MR. AMIN
MARDAN**

**Site Lead - Canadian Pediatric
Surgical Wait Times Project**

Responsible for maintaining surgical database used for various research studies and projects.



**MR. JON
KIM**

Science Coop Student

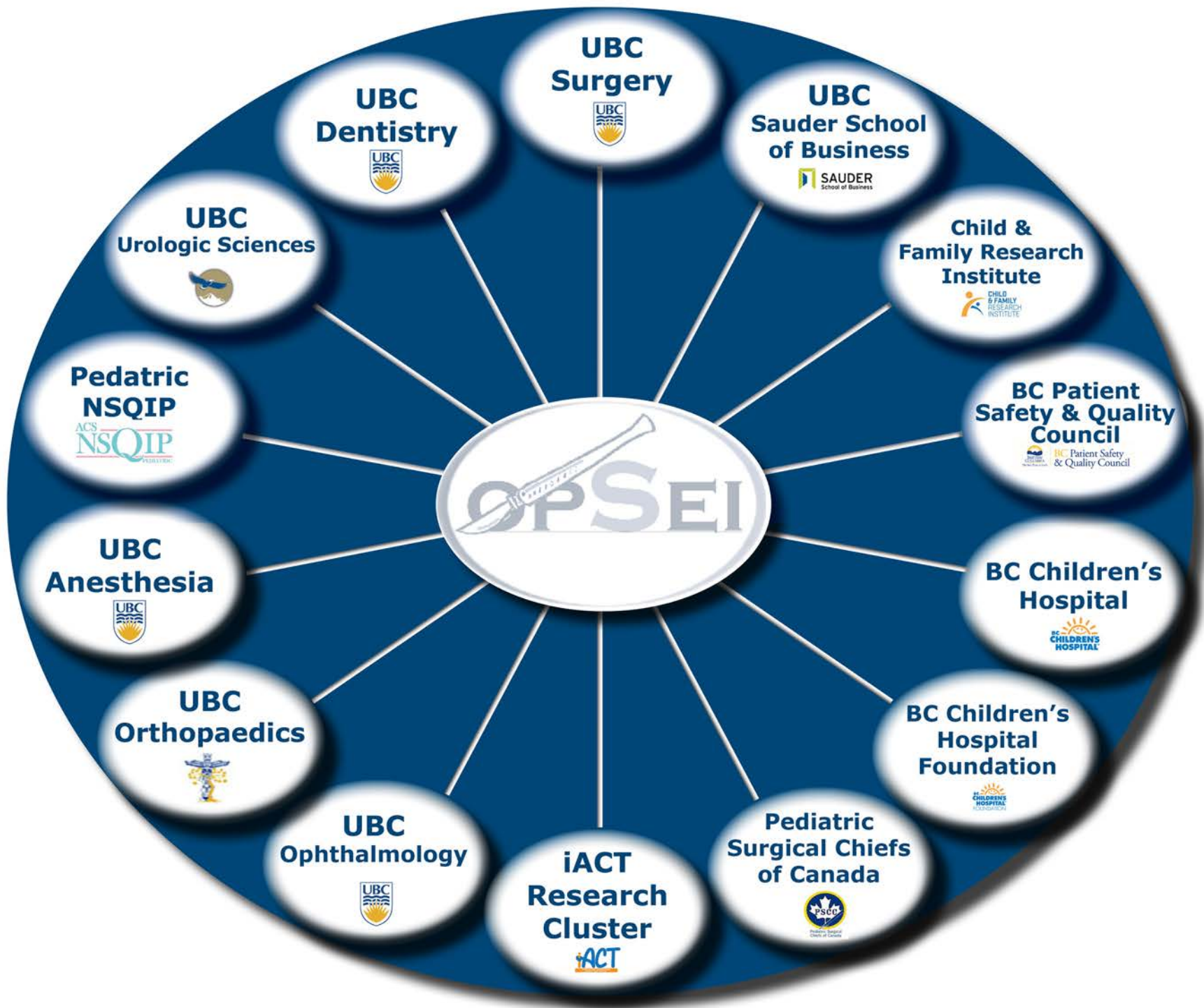
Responsible for assisting operations research analyst and providing project support.



**MS. RACHEL
JIWON**

Science Coop Student

Responsible for assisting operations research analyst and providing project support.





9TH YEAR FOR THE OFFICE OF PEDIATRIC
SURGICAL EVALUATION AND INNOVATION!



29 DONORS CONTRIBUTED TO THE
CHILDREN'S CIRCLE OF CARE PROGRAM

**Departments of Pediatric Anesthesia,
Pediatric Dentistry and Pediatric Surgery**

raised

\$290,000

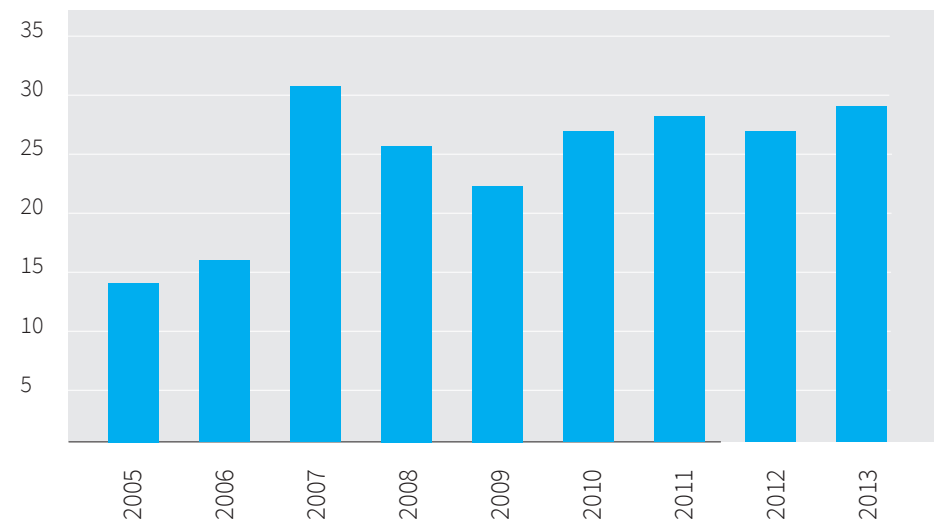
FOR 2013



Children's Circle of Care and the Hospital Matching Program

Each year, we work collaboratively with the BC Children's Hospital Foundation to raise funds through the Hospital Family Matching Gift Program in order to support and advance our patient care, research, and education mission. I am extremely pleased to share with you that we have had a total of 29 donors contribute to the Children's Circle of Care Program within the Departments of Pediatric Anesthesia, Pediatric Dentistry and Pediatric Surgery for 2013. Their generous donations, along with the matching gifts, have raised a total of \$290,000. I would also like to take this opportunity to thank Ms. Janice Williams and the whole BC Children's Hospital Foundation team who facilitate the Children's Circle of Care Program. Clearly, their important work has and will continue to make a difference in the care we provide to children and families at our hospital.

**Number of Circle of Care Donors from Anesthesia, Dentistry
and Surgery**



Clinical Research and Education

April 1, 2014 marked the ninth year for the Office of Pediatric Surgical Evaluation and Innovation! OPSEI continues to support an environment which supports student and faculty partnerships in clinical research and education. In 2013-14, the Department of Pediatric Surgery continued to house BC Children's Hospital's largest summer student program, hosting 24 summer students. Students and their faculty mentors were involved in clinical research projects ranging from reliability of tonsil size grading scales to assessing bereavement services available at pediatric health centres across North America. Following the intensive summer research program, many students presented their projects at the Western Medical Student Research Forum.

24 SUMMER STUDENTS

hosted in 2013-14
largest summer students
program at BCCH

ERICK CARRERAS



PEDIATRIC CARDIAC SURGERY

Long term outcomes following renal transplantation

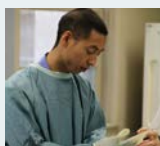
MICHAEL KERR



PEDIATRIC NEUROSURGERY

Multi-practitioner ocular childhood health assessment

VICTOR LIU



PEDIATRIC NEUROSURGERY

Craniofacial self image and well being after non-syndromic, single suture craniosynostosis treatment

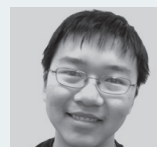
**AUSTIN HO
DANIEL ESAU**



OPSEI

Photovoice: Articulating the health priorities of youth in Soroti, Uganda

**JACK ZHENG
SHAWN ZHU**



PEDIATRIC OTOLARYNGOLOGY

Developing a tracheostomy app

DIVJOT KUMAR



PEDIATRIC OTOLARYNGOLOGY

Reliability of tonsil size grading in children

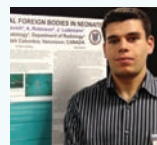
LAUREN OGILVIE



PEDIATRIC OTOLARYNGOLOGY

25-year review of tracheostomy within the division

TIN JASINOVIC



PEDIATRIC SURGERY

Appendectomy complications

VIVIAN MA



PEDIATRIC SURGERY

Assessment of bereavement services at pediatric health centres across North America

ANTHONY YEUNG



PEDIATRIC SURGERY

Esophageal fistula

ROSEANNE LIM



PEDIATRIC SURGERY

Hospital malnutrition

MICHAEL STEIN



PEDIATRIC PLASTIC SURGERY

Clinical diagnosis in the spectrum of vascular malformations

JOHN GORMAN



PEDIATRIC PLASTIC SURGERY

Outcomes of sclerotherapy of venous malformations

MICHAEL PHANG



PEDIATRIC PLASTIC SURGERY

Kmouse

QUINTEN CLARKE



PEDIATRIC PLASTIC SURGERY

Evaluation of the OPSEI academic rounds evaluation

MEGAN NEUFELD



PEDIATRIC PLASTIC SURGERY

Current practices for treatment in BRBPI in Canada

EMILY CHAN



PEDIATRIC PLASTIC SURGERY

Minor surgery procedures: a review

KARIMA JIWA



PEDIATRIC UROLOGY

Assessment of renal outcomes



Academic Activities

Honors and Awards

- Mrs. Bindy Sahota - 25 Year Anniversary Club - University of British Columbia

Publications

- Ho P, Esau D, **Blair GK, Duffy D, O'Hara NN**, Kapoor V, Ajiko M. Photovoice: Engaging youth in rural Uganda in articulating health priorities through participatory action research. *Journal of Investigative Medicine*. Volume 62, Number 1, January 2014.

Conference Proceedings

- Kalanzi EW, O'Hara LM, **O'Hara NN**, Boyle JC. An unintended consequence: Bed-net related burns at Mulago National Referral Hospital. *Bethune Round Table on International Surgery*. Vancouver. May 10, 2013.
- **Duffy D**, Le H, Singal M, Gandhi S. Barriers and bus rides to pediatric cardiac surgical care in Vietnam. *Bethune Round Table for International Surgery*, May, 2013.
- Blair G, Reimer E, Birabwa-Male D, Eeson G, **Duffy D**. Developing and achieving CanMeds competencies for Surgery and Anesthesia trainees within a global health project. *Bethune Round Table for International Surgery*, May, 2013.
- Lim, R, Innis S, Bedford, Mulpuri, K, Reilly C, **Duffy D**, Skarsgard E. Nutritional Status of Pediatric Orthopedic Spine Patients: A Pilot Study. 2013 BC Quality Forum.
- Bhatti A, Ferguson K, **Duffy D**, Afshar K. Retained Items in Surgery. 2013 BC Quality Forum.
- Clarke QK, **Duffy D**, Courtemanche D. An appraisal of the OPSEI academic rounds evaluations. Western Society of Pediatric Research, January, 2014.
- Ho P, Esau D, Blair GK, **Duffy D, O'Hara NN**, Kapoor V, Ajiko M. Photovoice: Engaging youth in rural Uganda in articulating health priorities through participatory action research. *Journal of Investigative Medicine*. Volume 62, Number 1, January 2014.

Committee Participation

1 D. Duffy

- Global Impact Fellow, Unite for Sight
- Co-Chair, BC Children's Hospital United Way Fundraising Committee
- Chair, BC Children's Hospital Foundation Fellowship Allocation Committee
- Member, Pediatric Surgical Executive Committee
- Member, Pediatric Surgery Residency Training Committee
- Member, Executive Committee, Innovations in Acute Care and Technology Research Cluster, CFRI
- Member, Advocacy Committee, UBC Association of Administrative and Professional Staff
- Abstract Reviewer, Canadian Association of Pediatric Health Centres

2 B. Sahota

- Executive Committee, Innovations in Acute Care and Technology Research Cluster, CFRI
- Member, Pediatric Surgery Residency Training Committee

3 N. O'Hara

- Executive Committee, Innovations in Acute Care and Technology Research Cluster, CFRI
- Medical Advisory Board Member, Global Partners in Anesthesia and Surgery, UCSF
- Member, Emerging Health Leaders
- Abstract Reviewer, Canadian Association of Pediatric Health Centres
- Member, Centre for Health Education Scholarship, UBC



Program Manager for Surgical Services

Quality and Safety Leader for Surgical Services Ms. Kim Ferguson, Program Manager, Surgical Suites has completed BCPSQC's Quality Academy in September and is looking forward to utilizing her acquired quality improvement skills in her role in Surgical Suites.



\$235,950

GRANT TOTAL IN 2013

Grant Funding Received

PROJECT TITLE	PI	TEAM	TEAM GRANT AGENCY	AMOUNT
Medical Photography for the Clinician – A Skills Enhancing Workshop	D. Duffy	G. Blair, R. Beauchamp, J. Prendiville, E. Skarsgard, C. Verchere	UBC Faculty Development Initiatives	\$3,950
Innovative Projects Fund	D. Duffy	G. Blair, E. Carreras, J. Cheng, N. Froese, E. Skarsgard, J. Holland, D. Song, J. Hiebert, M. Stein, V. Leung, K. Turney, N. Chima.	UBC Alma Mater Society	\$4,000
Drill covers for surgical care in developing countries	M. Black, L. Buchan	N. O'Hara	Grand Challenges Canada - Rising Stars in Global Health	\$114,000
Burn kit for initial treatment at health centres in developing countries	R. Evans	C. Verchere, N. O'Hara	Grand Challenges Canada - Rising Stars in Global Health	\$110,000
A low-cost autoclave for high-volume, low-resource surgical settings	N. O'Hara	D. Courtemanche	iACT Research cluster	\$4,000
Total Funding				\$235,950



Global Initiatives

Inventory of Global Health Collaborations Department of Pediatric Surgery BC Children's Hospital

OPERATION RAINBOW CANADA

Operation Rainbow Canada provides all-volunteer, free reconstructive surgery and related health care to children and young adults with cleft lip and cleft palate deformities living in developing countries. Physicians, surgeons, and nurses from BC Children's Hospital and other BC hospitals provide surgical care to patients who could not otherwise afford them.

CONTACT | Ms. Doreen Lore

UGANDA SUSTAINABLE TRAUMA ORTHOPEDIC PROGRAM

USTOP collaborates with Ugandan surgical colleagues within the Ministry of Health, Makerere University and Mulago Hospital to improve the education of surgical trainees, nurses and paramedical personnel in the care of patients with traumatic injury, from entry to full rehabilitation.

CONTACT | Mr. Nathan O'Hara

HEARTS AROUND THE WORLD

Hearts around the World supports pediatric cardiovascular surgical training programs within low and middle income nations through hands-on education and demonstrations. Our ultimate goal is to provide physicians and staff of the local hospitals with modern medical information and techniques required to care for all of their patients in need.

CONTACT | Dr. Sanjiv Gandhi

CHILDREN'S HEARTLINK

Children's Heartlink focuses on improving access to quality pediatric cardiac surgical care programs in areas of need may become centres of excellence. Children's Heartlink works in concert with medical/surgical volunteers, as well as governments and non-governmental organizations to provide clinical training, mentoring, and capacity-building opportunities.

CONTACT | Dr. Sanjiv Gandhi

INTERNATIONAL CHILDREN'S HEART FOUNDATION

ICHF teams are assembled from world-class cardiac care centers and often include participants from several countries on each international surgical camp. ICHF embraces a collaborative clinical teaching curriculum with local healthcare professionals in their own hospitals. We utilize a variety of educational models, including formal lectures, simulation and clinical teaching while providing life-saving cardiac surgical care to children.

CONTACT | Dr. Andrew Campbell

THE UGANDAN TRAINING ALLIANCE

The Ugandan Training Alliance has allowed us to develop and offer formal educational exchanges with our colleagues in Uganda. Uganda is facing a crisis in its ability to provide surgical care to its children. 48.3% of Ugandans are under the age of 15. Accordingly, in order to help address this shortage, our goal is to provide pediatric surgical subspecialty fellowship training opportunities here at BC Children's Hospital. Currently, there is one general surgeon from Uganda undertaking a pediatric surgical fellowship within the Division of Pediatric Surgery.

CONTACT | Dr. Geoffrey Blair

UGANDA PEDIATRIC SURGERY CAMP

Uganda Pediatric Surgery Camp aims to collaborate with local Ugandan health care providers in the provision of free surgery to children from economically-challenged families. In concert with the delivery of vital health care services, the Uganda Pediatric Surgery Camp serves to create formal clinical educational opportunities for students, residents and fellows from Uganda and Canada.

CONTACT | Mr. Damian Duffy

HEALTH FOR HUMANITY

Health for Humanity aims to provide access to health and to strengthen health care capacity of developing countries in need. H4H's focus has been with Guatemala, given that it is one of the most impoverished countries in the Americas, particularly amongst indigenous peoples.

Most recently, Health for Humanity has expanded its volunteer work to support marginalized populations in the Philippines.

CONTACT | Dr. Robert Purdy

GHI SOROTI CHILDREN'S PROJECT

Based out of the Soroti Regional Referral Hospital, the Soroti Children's Project is one of the newest additions to the UBC Global Health Initiative (GHI), a student and faculty collaboration in the Medical Undergraduate Program. GHI aims to provide students with real-world, collaborative service-learning opportunities which address relevant community priorities. GHI projects include students from Medicine and several other faculties and occur on several continents.

To read more about GHI go to: <http://globalhealth.med.ubc.ca/service/student-groups/global-health-initiative/>.

In the GHI Soroti project, Medical and Dental students spend up to four weeks in the summer time undertaking the community projects which include both hospital and school-based settings. In 2013, the GHI group travelled to Soroti on a pilot basis and performed a collaborative photovoice needs assessment with rural youth at four local Soroti schools. A memorandum of understanding was recently signed between UBC and SRRH to formalize the educational partnership.

CONTACT | Dr. Videsh Kapoor

MEDICOS EN ACCION

Medicos en Accion offers surgical and medical care for those in need in Guatemala and the Gambia. Dr. Gareth Eeson from UBC General Surgery was sponsored to the Gambia with Medicos en Accion on a pilot initiative to assess its potential as a Global Health elective for surgical trainees.

CONTACT | Dr. Gareth Eeson

UNITE FOR SIGHT

Unite for Sight supports eye clinics worldwide by investing human and financial resources in social ventures to eliminate preventable blindness and patient barriers to eye care. Unite for Sight offers a novel Global Impact Fellowship program aimed at providing training in public health, social entrepreneurship and global health. Unite for Sight works in Ghana, Honduras and India. Damian Duffy participated with this group in January, 2014 to help create more opportunities for undergraduate students interested in Global Health. Two more students have enrolled in the Global Impact Fellowship program for the summer of 2014.

CONTACT | Mr. Damian Duffy

THE UGANDA HEARING HEALTH PROGRAM

The Uganda Hearing Health Care Program is focused on training providers on addressing chronic ear infections complicated by perforated ear drums and ear drainage issues. Hearing issues can be particularly problematic for pediatric patients as it can negatively impact school learning activities and healthy social development. The program's aim is to create a sustainable benefit for the people of Uganda.

CONTACT | Dr. Brian Westerberg

ANASTASIA INTERNATIONAL CHILDREN'S SURGERY PROGRAM

The Anastasia International Children's Surgery Program at BC Children's Hospital aims to provide comprehensive evaluation, access, facilitation and care for patients and their families in need of high-quality subspecialty pediatric surgical care which is unavailable locally. We believe that BC Children's Hospital can and should play a role in providing excellent and compassionate surgical care for children who reside in countries where access to high-quality subspecialty pediatric surgery does not exist.

CONTACT | Dr. Sanjiv Gandhi, Mr. Damian Duffy, Dr. Erik Skarsgard



International Volunteerism

A team of six health care professionals from Surgical Suites at BC Children's Hospital recently participated in a Pediatric Surgery Camp in Soroti, Uganda. The camp resulted in 140 children receiving surgery. Importantly, there was tremendous teaching and sharing of best practices in clinical care. The team's project was followed by Global TV news in a two-part series which was recently aired.

Below are the links to television vignettes:

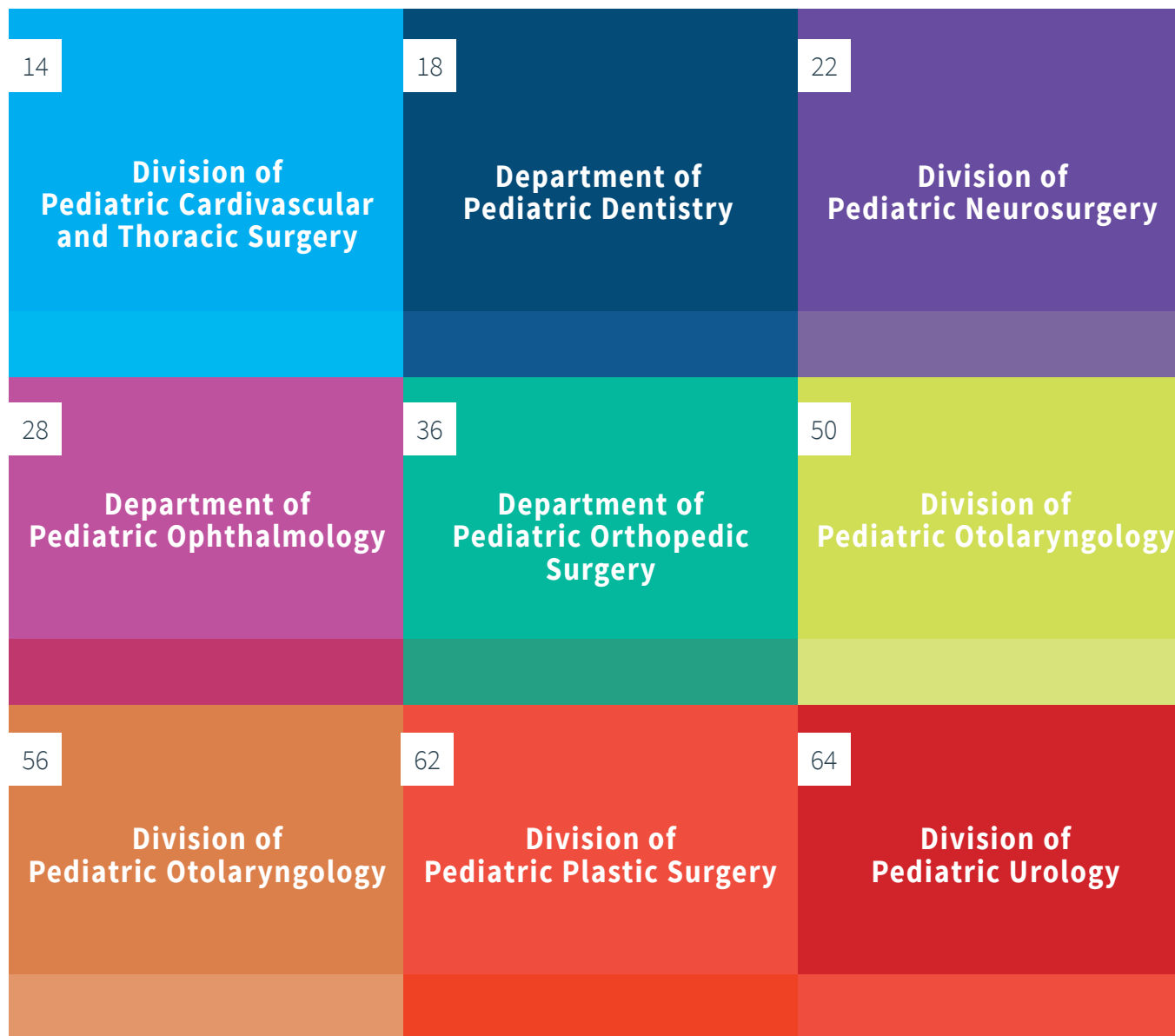
<http://globalnews.ca/video/1224211/doctors-heading-for-uganda>

<http://globalnews.ca/video/1320462/helping-the-children-of-uganda>

Mr. Jack Huebner, Summer Student with OPSEI was accepted as a Unite for Sight Global Impact Fellow and participated in a three-week project in Ghana where he worked with the local ophthalmology team in the delivery of care within the villages.

Four UBC medical and dental students participated in the Soroti Children's Project this past summer. Jordan Cheng, Tin Jasinovic, Nick Zhygan, and Vivian Ma will all be undertaking community service and clinical research projects over a six-week period. This has been the second year where this popular summer program has been offered.

Pediatric Surgery Division & Department Reports





Faculty Members:

- Dr. Andrew I.M. Campbell, Assistant Professor, University of British Columbia
- Dr. Sanjiv K. Gandhi, Division Head, Clinical Professor, University of British Columbia

Staff Members:

- Ms. Celia Magraw, Administrative Assistant
- Ms. Theresa Bazin, Research Assistant and Surgical Scheduling Coordinator
- Ms. Emily Tai, NP
- Ms. Misty Reis, NP



Highlights and Achievements:

Since the introduction of several new clinical initiatives in 2010, the Division of Cardiovascular and Thoracic Surgery continues to see an increase in case numbers, including a significant increase in referrals from Western provinces outside of British Columbia. The Division is now an active participant in the North American Society of Thoracic Surgeons clinical database, allowing us to benchmark our outcomes with other centers across the continent. There continues to be a reduction in postoperative ventilator time, inotrope use, as well as ICU stay, overall length of hospital stay, and postoperative morbidity. The Division was recognized in March 2012 by the British Columbia Patient Safety and Quality Council for these initiatives.



This year marked official Ministry of Health approval of a Pediatric Heart Transplant and Mechanical Assist Device Program at BCCH.

In the past year, a total of three mechanical ventricular assist device implants and three heart transplants were performed for children with end-stage heart failure. With the dedication of the entire Cardiac Sciences staff, the Surgical Division was able to perform over 200 open-heart operations and a total of 350 cases in 2013.

The Division was honored with several notable academic presentations and publications during the year, including a paper presented at the prestigious American Association for Thoracic Surgery meeting in Toronto, in April 2014.

Dr. Andrew Campbell continued in his role as the Director of the Cardiac Surgery Residency program of the University of British Columbia.



Academic Activities:

Formal Teaching:

Dr. Campbell	<ul style="list-style-type: none"> Congenital Cardiovascular Pathology Lab, UBC Medical School. Cardiovascular Block, UBC Medical School. Vancouver, BC. 2014 Feb-Mar
Dr. Gandhi	<ul style="list-style-type: none"> CCLS Course - Pediatric Mechanical Ventricular Assistance Formal weekly PICU Cardiac Surgery Teaching Rounds

Presentations:

Dr. Gandhi	<ul style="list-style-type: none"> Harris KC, Holowachuk S, Pitfield S, Sanatani S, Froese NR, Potts JE, Gandhi SK. Should Early Extubation be the Goal for all Children, Including Neonates, Undergoing Surgery for Congenital Heart Disease? American Association for Thoracic Surgery., Apr 2014.
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Publications:

Dr. Gandhi / Dr. Campbell	<ul style="list-style-type: none"> Asghari P, Scriven D, Sanatani S, Gandhi, SK, Campbell AIM, Moore, E. Dynamic Reorientation of Ryanodine Receptors in Ventricular Couplons. <i>Circulation Research</i>. 2014;115(2):252-262.
Dr. Campbell	<ul style="list-style-type: none"> Dimitropoulos A, Mcquillen P, Sethi V, Moosa A, Chau V, Xu D, Brant R, Azakie A, Campbell AIM, Barkovich AJ, Poskitt K, Miller SP. Brain Injury and Development in Newborns with Critical Congenital Heart Disease. <i>Neurology</i>. 2013;81(3):241-248.
Dr. Campbell	<ul style="list-style-type: none"> Fandiño M, Kozak FK, Verchere C, Campbell AIM. Modified Slide Tracheoplasty in a Newborn with Bronchial and Carinal stenosis. <i>International J Pediatr Otorhinolaryngol</i>. 2013;77(12):2075-2080.
Dr. Gandhi	<ul style="list-style-type: none"> Gandhi SK, Siewers RD. Anomalies of Systemic Venous Drainage. In: Kaiser L.R., Kron I.L., and Spray T.L. (eds.) <i>Mastery of Cardiothoracic Surgery</i> (3rd edition). Philadelphia: Lippincott-Raven. 2013;780-788.

Dr. Gandhi	<ul style="list-style-type: none"> Hiebert JD, Auld BC, Sasaki T, Froese NR, Ganshorn MK, Casey ND, Human DG, Gandhi SK. Infant Repair of Massive Aortic Aneurysm with Prosthetic Valved Conduit. <i>Ann Thorac Surg</i>. 2013;96(3):1070-1072.
Dr. Campbell	<ul style="list-style-type: none"> Sethi V, Tabbutt S, Dimitropoulos A, Harris KC, Chau V, Poskitt K, Campbell AIM, Azakie A, Xu D, Barkovich AJ, Miller SP, McQuillen PS. Single-Ventricle Anatomy Predicts Delayed Microstructural Brain Development. <i>Pediatr Res</i>. 2013;73(5):661-667.
Dr. Gandhi	<ul style="list-style-type: none"> Gandhi SK, Epstein DJ. Ventricular Assist Device Support in Children. In: D.S. Wheeler et al. (eds.), <i>Pediatric Critical Care Medicine</i>. London: Springer-Verlag. 2014;441-451.



Pediatric Perfusion Team



Teaching:



Fellows Supervised	<ul style="list-style-type: none"> Dr. Hideyuki Kato, Japan – July 1, 2013 - present
Residents Supervised	<ul style="list-style-type: none"> Dr. Jennifer Higgins, UBC – Jan 13, 2014 – Apr 6, 2014 Dr. Michael Yamashita, UBC – May 5, 2013 – Jun 30, 2013 Dr. Mark Kearns, UBC – Jan 14, 2013 – May 5, 2013
Clinical Clerk Year 1	<ul style="list-style-type: none"> Neil Ray-Chaudhuri, UBC. May 6 – May 27, 2013
Clinical Clerk Year 2	<ul style="list-style-type: none"> Gurinder Grewal, UBC. June 9 – August 1, 2014 (<i>AATS internship award</i>)
Clinical Clerks Year 3	<ul style="list-style-type: none"> Tyler Varnals, UBC. Apr 8 – 20, 2013 Allison Nakanishi, UBC. Apr 22 – May 5, 2013 Angel Pei Yi Shan, UBC. May 6 – 19, 2013 Tom Kim, UBC. May 20 – Jun 2, 2013 Amandeep Bajwa, UBC. Jun 3 – 15, 2013 Roozbeh Ahmadi, UBC. Jun 17 – 30, 2013 Saama Sabeti, UBC. Jul 1 – 14, 2013 Kevin Zhou, UBC. Jul 15 – 28, 2013 Vignan Yogendrakumar, UBC. Jul 29 – August 10, 2013

Clinical Clerks Year 3

- Rebecca Pinca, UBC. Sep 2 – 15, 2013
- Jaspreet Lidder, UBC. Sep 16 – 29, 2013
- Keerat Sidhu, UBC. Sep 30 – Oct 13, 2013
- Yue Kay Kali Kwong, UBC. Oct 14 – 27, 2013
- Jaeyun Yoo, UBC. Oct 28 – Nov 10, 2013
- Yu Songyang, UBC. Nov 11 – 24, 2013
- Cassandra Felske, UBC. Nov 25 – Dec 8, 2013
- Nicole Schuurman, UBC. Jan 6 – 19, 2014
- David Thomas, UBC. Feb 3 – 16, 2014
- Kristen Sokalski, UBC. Feb 17 – March 1, 2014
- Amarpal Cheema, UBC. Mar 3 – 15, 2014
- Michael Horkoff, UBC. Mar 31 – April 13, 2014

Clinical Clerks Year 4

- Breanna Clive, UBC. Apr 15 – 27, 2013
- James Heyman, Cardiff. Apr 29 – May 24, 2013
- Ella Jefferies, Newcastle. Jun 10 – July 6, 2013
- Gurdeep Sekhon, Newcastle. Jul 8 – Aug 2, 2013
- Vicky Loessin, Saskatchewan. Aug 12 – 23, 2013
- Neil Rittenhouse, Western Ontario. Oct 14 – 25, 2013
- Helena Lee, UBC. November 25 – Dec 8, 2013
- Paxton Smith, UBC. Dec 9 – 22, 2013
- Phillip Hingley, Australian National. Jan 6 – Feb 2, 2014
- Ravneet Sekhon, UBC. Feb 10 – Mar 9, 2014
- Jennifer Sibley, UBC. Mar 24 – Apr 6, 2014

Research Students Supervised

- Erick Carreras
- Jake Hiebert

Committee Participation:

- | | |
|--------------|---|
| Dr. Campbell | <ul style="list-style-type: none"> Credentials Committee, BC Children's Hospital, Member Careers in Action, Career Counseling Program, Faculty of Medicine, University of British Columbia, Mentor ECLS Steering Committee, BC Children's Hospital, Member |
|--------------|---|





BC Children's Hospital, Suite AB307, 4480 Oak Street | Vancouver, BC V6H 3V4 | 604-875-2000 x3165



Dr. Campbell

- ECLS Working Group Committee, BC Children's Hospital, Member
- University of British Columbia Cardiac Surgery Residency Program Committee, Director
- Western Canadian Children's Heart Network, Member
- Western Canadian Children's Heart Network, Chair Research Committee

Dr. Gandhi

- American Association of Thoracic Surgery, Member
- American Association of Thoracic Surgery Education Committee, Member
- Society of Thoracic Surgeons, Member
- Congenital Heart Surgeons' Society, Member
- Southern Thoracic Surgery Association, Member
- BC Children's Hospital Surgical Cabinet, Member
- ECLS Steering Committee, BC Children's Hospital, Member
- Jehovah's Witnesses Guidelines Committee, BC Children's Hospital, Member
- Clinical Oversight Group, BC Children's Hospital, Co-Chair
- Clinical Planning and Redevelopment Team, BC Children's Hospital, Member
- Western Canadian Children's Heart Network, Member
- Western Canadian Children's Heart Network Database Steering Committee, Member
- Western Canadian Children's Heart Network Clinical Operations Committee, Member
- Annals of Thoracic Surgery, Guest Reviewer
- Journal of Thoracic and Cardiovascular Surgery, Guest Reviewer
- Pediatric Cardiology, Guest Reviewer
- Pediatric Pulmonology, Guest Reviewer
- Pediatric Transplantation, Guest Reviewer
- The Journal of Pediatrics, Guest Reviewer
- Innovations in Cardiac Surgery, Guest Reviewer
- Canadian Journal of Cardiology, Guest Reviewer
- Surgical editorial advisor for Pediatric Cardiology



Projects and Initiatives in Progress:

- Development of a humanitarian International Patient Care Program





Faculty Members:

- Dr. Karen Campbell, Department Head
- Dr. Phoebe Tsang
- Dr. Elsa Hui-Derksen
- Dr. Winnie Zhao
- Dr. Nancy Vertel
- Dr. Wa S. Cheung
- Dr. Kavita Mathu-Muju
- Dr. Rosamund Harrison
- Dr. Joy Richman

Staff Members:

- Dr. Jong-Hyun Ban, Provisional Active pediatric dentist
- Dr. Clive Bethel, Associate GP
- Dr. Martin Braverman, Active oral and maxillofacial surgeon
- Dr. Mark Casafrancisco, Active pediatric dentist
- Dr. Anabel Chan, Active pediatric dentist
- Dr. Peter Chan, Active pediatric dentist
- Dr. Brian Chanpong, Active Dental anesthesiologist
- Dr. Sam Chiang, Consulting orthodontist
- Dr. Theresa Chiang, Active pediatric dentist
- Dr. Ed Chin, Active pediatric dentist
- Dr. Jason Choi, Provisional Active oral and maxillofacial surgeon
- Dr. Jeff Coil, Active endodontist
- Dr. Lisa Coveney, Active pediatric dentist
- Dr. Hasnain Dewji, Active pediatric dentist
- Dr. Leo Fung, Provisional consulting prosthodontist

- Dr. Anita Gartner, Active pediatric dentist
- Dr. Geoff Grant, Provisional active pediatric dentist
- Dr. Paul Helpard, Consulting orthodontist
- Dr. John Hung, Active, general dentist
- Dr. Ben Kang, Provisional active oral and maxillofacial surgeon
- Dr. Christine Kim, Provisional active pediatric dentist
- Dr. Richard Kramer, Active pediatric dentist
- Dr. Young Kuah, Active orthodontist and pediatric dentist
- Dr. Louisa Leung, Active pediatric dentist
- Dr. Angelina Loo, Active orthodontist
- Dr. David MacDonald, Provisional consulting oral radiologist
- Dr. William McDonald, Active oral and maxillofacial surgeon
- Dr. Reza Nouri, Active pediatric dentist
- Dr. Carter Ng, Temporary pediatric dentist
- Dr. Benjamin Pliska, Provisional active orthodontist
- Dr. Gerry Pochynok, Active pediatric dentist
- Dr. Paul Pocock, Active orthodontist
- Dr. Mark Reichman, Active oral and maxillofacial surgeon
- Dr. Donal Scheideman, Active pediatric dentist
- Dr. Carol Shpak, Associate general dentist
- Dr. Dorothy Sonya, Active orthodontist and oral radiologist
- Dr. Esther Tam, Provisional Active endodontist
- Dr. Isaac Tam, Provisional Active pediatric dentist
- Dr. Tim Tam, Active pediatric dentist
- Dr. Priscilla Walsh, Provisional active periodontist
- Dr. David Yang, Provisional associate oral maxillofacial surgeon
- Dr. Jennifer Yee, Provisional active pediatric dentist



Academic Activities:

Presentations:

- BC Women's & Children's Family Practice Medicine Residents: Pediatric Dentistry - where it all begins, Oral presentation, 2014 Feb 13.
- Carter NG, Vertel N, Zhao W, MSc Candidates (Graduate Students). CAPD AGM, Abstract presentations Vancouver, BC, 2013 Sep 28.



Highlights and Achievements:

The following Dentistry members have been recognized for Long Term Service Awards in 2014:



Shelley-Mae Reeves, CDA Supervisor in Dentistry	25 years
Dr. Hasnain Dewji, pediatric dentist	15 years
Dr. Young Tze Kuah, pediatric dentist and orthodontist	15 years
Dr. Reza Nouri, pediatric dentist	15 years
Dr. Jong-Hyun Ban, pediatric dentist	5 years
Dr. Mark Casafrancisco, pediatric dentist	5 years
Dr. Esther Tam, endodontist	5 years
Dr. Isaac Tam, pediatric dentist	5 years





Formal Teaching:

UBC Graduate program in Pediatric Dentistry	<ul style="list-style-type: none"> DENT 783 - Term 3, 2012-13 DENT 784 - Term 1/2/3, 2013-14 DENT 785 - Term 1/2/3 2013-14 DENT 430 - Term 2, 2012-13 DENT 513 (Seminars in Behaviour Guidance) - Term 1/2, 2013-14 DENT 513 (Seminars in Pediatric Oro-Facial Trauma) - Term 2, 2013-14 DENT 516/517/518 (Case Pres & Tx Plan Seminars) - Term 3 2012-13 DENT 440 ; PACS - Term1, 2013-14 DENT 516/517/518 (Board Case Review and Treatment Planning) - Term 1,2,3 2013-14
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Publications:

Dr. Campbell	<ul style="list-style-type: none"> Campbell KM. A unique case of craniopagus twins: Considerations and challenges for dental rehabilitation. <i>Pediatr Dent.</i> 2013;35(5):447-450.
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Residents Supervised:

Drs. Campbell, Harrison	<ul style="list-style-type: none"> Carter Ng, 2013 Candidate MSc/Diploma Pediatric Dentistry Defended Aug 2013
Drs. Campbell, Harrison	<ul style="list-style-type: none"> Nancy Vertel, 2013 Candidate MSc/Diploma Pediatric Dentistry Defended Aug 2013
Drs. Campbell, Harrison	<ul style="list-style-type: none"> Winnie Zhao, 2013 Candidate MSc/Diploma Pediatric Dentistry Defended Jul 2013
Dr. Campbell	<ul style="list-style-type: none"> Jennifer Park, 2015 Candidate MSc/Diploma Pediatric Dentistry 2012 - 2015
Drs. Johnston, Campbell	<ul style="list-style-type: none"> Jessica Tam General Practice Residency 2012 - 2013
Dr. Campbell	<ul style="list-style-type: none"> Christos Papadopoulos General Practice Residency 2013 - 2014

Committee Participation:

Dr. Campbell	<ul style="list-style-type: none"> Chair, Admissions committee for Graduate Pediatric Dentistry Member, Graduate Studies Committee Member, Complex Prosthodontics Committee Ad hoc reviewer for Pediatric Dentistry Ad hoc reviewer for International Journal of Dentistry Expert panel member for OASIS project and reviewer for JCanadian Dental Association Editorial board member for Dental Traumatology
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Projects and Initiatives in Progress:

Curriculum development for on-site Hospital courses for Graduate Specialty Program in Pediatric Dentistry

- Expansion of DENT 783 course – Introduction to Clinical Hospital Pediatric Dentistry
- Development of Rotations in Anesthesiology, Hematology/Oncology, Emergency Room and Pediatrics for DENT 785

Faculty Development in the Department of Dentistry

- Addition of 3 new part-time clinician-educators as attending faculty for the Department, and the recent addition of one board certified endodontist to assist with our patient care needs.





Faculty Members:

- Dr. Doug Cochrane, Division Head
- Dr. John Kestle
- Dr. Ash Singhal
- Dr. Paul Steinbok

Staff Members:

- Ms. Helen McGregor, Administrative Manager
- Mr. Ross Hengel, Research Coordinator
- Dr. Vesna Popovska, Research Manager



Academic Activities:

Invited Presentations:

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| Dr. Singhal | • The Nutcracker: Head Injuries in Children. UBC Pediatric Emergency Medicine Update. Vancouver, Canada 2013. |
| Dr. Steinbok | • Cortical dysplasia, Epilepsy case, Chiari II. ISPN course. Shanghai, China, 2013.
• Management of asymptomatic AVM and cavernoma. World Federation of Neurosurgical Societies pre-congress course on pediatric neurosurgery. Vancouver, BC 2013.
• Occult tethered cord syndrome, Epilepsy surgery in children. Japanese Neurosurgical Society Annual meeting. Japan. 2013.
• Sagittal synostosis videos, Craniosynostosis, Craniopharyngioma, Optic hypothalamic glioma. European Society for Pediatric Neurosurgery course. Montpellier, France. 2013.
• Surgical treatment of 4th ventricular tumours, Shunts vs ETV – where are we heading? Occult tethered cord syndrome. Annual Meeting of Mexican Neurosurgical Society. Xinhautanejo, Mexico. 2013. |

Other Presentations:

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| Dr. Singhal | • Fotovati A, Radloff D, Coute N, Triscott J, Chen J, Yip S, Louis D, Toyota B, Hukin J, Rassekh R, Singhal A, Dunham C and Dunn S. The Y-box binding protein-1 conveys temozolomide resistance by the inhibiting DNA damage response pathway through the polycomb repressor BMI-1. 2013 Society of Neuro-Oncology Meeting. Vancouver, Canada. 2013.
• Lee C, Triscott J, Foster C, Manoranjan B, Pambid MR, Fotovati A, Berns R, Venugopal C, O'Halloran K, Narendran A, Northcott P, Taylor MD, Singh SK, Singhal A, Rassekh R, Maxwell CA, Dunham C, Dunn SE. Personalizing the treatment for medulloblastoma: Polo-Like Kinase 1 (PLK1) as a molecular target for the sonic hedgehog (SHH) subtype. 2013 Pediatric Neuro-Oncology Basic and Translational Research Conference. Vancouver, Canada. 2013. |
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Dr. Singhal

- Singhal A, Hengel AR. Intraoperative Ultrasound in Pediatric Brain Tumors: Does the Surgeon Get it Right? 2013 ISPN Annual Meeting. Mainz, Germany. Platform Presentation, 2013.
- Singhal A, Hengel AR. Intraoperative Ultrasound in Pediatric Brain Tumors: Does the Surgeon Get it Right? 42nd Annual Meeting of the AANS/CNS Section on Pediatrics. Toronto, Canada. Platform Presentation, 2013.
- Singhal A, Hengel AR. Of course parents are anxious during their child's neurosurgery – the question is what can we do about it?: a prospective qualitative and quantitative study. 2013 ISPN Annual Meeting. Mainz, Germany. Platform Presentation, 2013.
- Singhal A, Hengel AR. Intraoperative Ultrasound in Pediatric Brain Tumors: Does the Surgeon Get it Right? 2013 Chung Research Day. Vancouver, Canada. Platform Presentation, 2013.
- Singhal A, Kerr JM. Review of Complications After Elective Craniotomy: Does My Patient Need To Go to the Intensive Care Unit? 2013 Chung Research Day. Vancouver, Canada. Presentation, 2013.
- Singhal A, Kerr JM. Review of Complications After Elective Craniotomy: Does My Patient Need To Go to the Intensive Care Unit? UBC Medicine Undergraduate Research Forum. Vancouver, Canada. Poster Presentation, 2013.
- Singhal A, Narenthiran N. Developing paediatric neurosurgery applications for mobile devices. 2013 ISPN Annual Meeting. Mainz, Germany. ePoster, 2013.
- Singhal A, Yang M, Au N, Hengel AR. Are pre-operative laboratory investigations and cross-match necessary for elective pediatric neurosurgical case management? 2013 ISPN Annual Meeting. Mainz, Germany. Platform Presentation, 2013.

Dr. Steinbok

- Steinbok P, Ailon T, Kerr JM. Long-term Outcome After Selective Dorsal Rhizotomy in Children with Spastic Cerebral Palsy. ISPN annual meeting. Mainz, Germany, Oct 2013.

Dr. Cochrane

- Calculating the Benefit Analysis of the BC NSQIP Program. ACS NSQIP Annual Meeting. San Diego, USA 2013.
- Improving Surgical Care across BC. Vancouver, Canada, 2013.
- Team Behaviors and non Technical Skills in a Paediatric Surgical Facility. University of Toronto Patient Safety Rounds. Toronto, Canada, 2013.
- The Benefits of NSQIP for British Columbia: What is possible? ASC NSQIP National Conference. San Diego, USA.
- What a family perspective teaches about adverse events in the pediatric setting. SickKids Patient Safety Symposium. Toronto, Canada, 2013.
- What I should have known then about me, patients and the system. Physician Leadership Program. Vancouver, Canada, 2013.

Publications:



Dr. Kestle

- Simon T, Mayer-Hamblett N, Whitlock K, Langley M, Kestle J, Riva-Cambrin J, Rosenfeld M, Thorell E. Few patient, treatment, and diagnostic or microbiological factors, except difficult-to-treat complications and intermittent negative CSF cultures during the first CSF shunt infection, are associated with reinfection. J Pediatric Infect Dis Soc. 2014 Mar;3(1):15-22.

Dr. Kestle

- Gross P, Reed GT, Engelman R, Kestle J. Hydrocephalus research funding from the National Institutes of Health: A ten year perspective. J Neurosurg. Pediatrics. 2014 Feb;13:145-50.



Drs. Steinbok,
Singhal,
Cochrane

- Steinbok P, Liu V, Singhal A, Cochrane DD, Gillis C. CSF Complications Following Intradural Spinal Surgeries in Children. Childs Nerv Syst. 2014 Feb;30(2):299-305.

Dr. Kestle

- Al-Tamimi Y, Sinha P, Chumas P, Crimmins D, Drake J, Kestle J, and the BPNG Audit Committee: Hayward R, Solanki G, Thomson S, Thorne J. Ventriculoperitoneal shunt 30-day failure rate: an international cohort study. Neurosurgery. 2014 Jan;74:29-34.

Dr. Kestle

- Whitehead W, Riva-Cambrin J, Wellons J, Kulkarni A, Holubkov R, Illner A, Oakes J, Luerssen T, Walker M, Drake J, Kestle J. for the Hydrocephalus Clinical Research Network: No significant improvement in the rate of accurate ventricular catheter location using ultrasound-guided CSF shunt insertion: a prospective, controlled study by the Hydrocephalus Clinical Research Network. J Neurosurg. Pediatrics. 2013 Dec;12:565-74.

Dr. Singhal

- Lee C, Triscott J, Foster C, Manoranjan B, Rose M, Pambid MR, Fotovati A, Berns R, Venugopal C, O'Halloran K, Narendran A, Northcott P, Taylor M, Singh S, Singhal A, Rassekh R, Maxwell, C, Dunham C, Dunn S. Personalizing the treatment for medulloblastoma: Polo-Like Kinase 1 (PLK1) as a molecular target for the sonic hedgehog (SHH) subtype. Cancer Research. 2013 Nov;73(22):6733-44.

Dr. Cochrane

- Kronenburg A, Kuo Sen Han K, Gooskens R, Esposito G, Cochrane DD, Woerdeman P. Imaging the course of a hypoplastic cerebellum in a spina bifida newborn. Childs Nerv Syst. 2013 Nov;29(11):2131-5.

Drs. Steinbok,
Cochrane,
Singhal

- Pillai S, Steinbok P, Cochrane DD, Singhal A. Bilateral Lambdoid and Posterior Sagittal Craniosynostosis – Management, evolution and outcome. Childs Nerv Syst. 2013 Nov;29(11):2117-21.

Dr. Kestle

- Kulkarni A, Riva-Cambrin JU, Butler J, Browd S, Drake J, Holubkov R, Kestle J, Limbrick D, Simon T, Tamber M, Wellons J, Whitehead W. for the Hydrocephalus Clinical Research Network: Outcomes of CSF shunting in children: comparison of Hydrocephalus Clinical Research Network cohort of historical controls. J Neurosurg. Pediatrics. 2013 Oct;12:334-8.

Dr. Steinbok

- Tu A, Steinbok P: Occult tethered cord syndrome: a review. Childs Nerv Syst. 2013 Sep;29(9):1635-40.

Dr. Kestle

- Kalra R, Kestle J. An assessment of academic productivity in pediatric neurosurgery. J Neurosurg. Pediatrics. 2013 Sep;12:262-5.





Drs. Steinbok, Singh, Singhal, Cochrane	• Steinbok P, Singh J, Kerr M, Sargent M, Suryaningtyas W; Singhal A, Cochrane DD. Neurological morbidity of surgical resection of pediatric cerebellar astrocytomas. <i>Child Nerv Syst.</i> 2013 Aug;29(8):1269-75.
Dr. Kestle	• Kestle J. Shunt insertion (Editorial). <i>J Neurosurg.</i> 2013 Jul;119:64-65.
Dr. Kestle	• Cress M, Kestle J, Riva-Cambrin J. Risk factors for pediatric arachnoid cyst rupture: a case control study. <i>Neurosurgery.</i> 2013 May;72:716-22.
Dr. Kestle	• Gociman B, Kestle J, Siddiqi F. Endoscopic assisted correction of metopic synostosis. <i>J Craniofac Surg.</i> 2013 May;24(3):763-8.
Dr. Singhal	• Singhal A, Yang M, Kerr JM. Video Diversion During Fundoscopic Examination in Children: A Randomized Controlled Trial. <i>Journal of Child Neurology.</i> 2013 Apr;29(7):882-6.
Dr. Cochrane	• Cochrane DD. Cerebrospinal fluid drainage. <i>J Neurosurg Pediatr.</i> 2013 Apr;11(4):485-6.
Drs. Singhal, Cochrane, Steinbok	• Singhal A, Mitra A, Cochrane DD, Steinbok P. Ring Apophysis Fracture in Pediatric Lumbar Disc Herniation: A Common Entity. <i>Pediatr. Neurosurg.</i> 2013;49:16-20.

Books, Chapters:

Dr. Kestle	• Garber S, Kestle J. Brainstem tumors. Chapter 28. In: Bernstein, M. <i>Neuro-Oncology: The Essentials</i> , 3rd edition. (in press) New York, Thieme Medical Publisher, 2013.
Dr. Kestle	• Hamilton M, Kestle J. Pediatric Neurosurgery Specific Patient/Case Examples. In: Hamilton M (ed). <i>Handbook of bleeding and Coagulation for Neurosurgeons</i> (in press) New York, Thieme Medical Publishers.
Dr. Kestle	• Sharma J, Singhal A, Kestle J. Pediatric specific bleeding and coagulation issues. In: Hamilton M (ed). <i>Handbook of bleeding and Coagulation for Neurosurgeons</i> (in press) New York, Thieme Medical Publishers.

Dr. Kestle	• Sivakumar W, Kestle J. Ventricular shunting for Hydrocephalus. In: Cohen A (ed). <i>Pediatric Neurosurgery: tricks of the trade.</i> (in press) New York, Thieme Medical Publishers.
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Conference Proceedings:

Dr. Steinbok	• Liu V, Gillis G, Cochrane D, Singhal A, Steinbok P. CSF complications following intradural spinal surgeries in children. <i>Journal of Investigative Medicine.</i> 2013; 61(1):196.
	• Luo, WT, Steinbok P, Singhal A, Cochrane D. Retrospective review of the management of dermal sinus tracts and infected dermoid cysts. 2013; 61(1):216.





Grant Funding Received: \$

Dr. Steinbok	Granting Agency: BCCH Fellowship in Pediatric Neurosurgery COMP: C \$50,000 Per year 2013-2014
Dr. Singhal	Granting Agency: Rare Disease Foundation Subject: Treatment of Malignant Pediatric Brain Tumors COMP: C \$3,500 Per year Co-Investigator(s): Dunn S, Rasseckh R, Hukin J, Dunham C 2013-2014
Dr. Steinbok	Granting Agency: BCCH Subject: Fellowship in Pediatric Neurosurgery COMP: C \$45,000 Per year 2012-2013
Dr. Steinbok	Granting Agency: BCCH Subject: Fellowship in Pediatric COMP: C \$41,900 Per year 2012-2013
Dr. Steinbok	Granting Agency: RDF and BCCHF Subject: Non-operative management of suspected eosinophilic granuloma of skull COMP: C \$3,500 Per year 2012-2013

Teaching:

Fellows Supervised	<ul style="list-style-type: none"> Kernisch-Lukoschus F, Pediatric Neurosurgery. 2013 Jul – 2013 Dec Gopalakrishnan CV, Pediatric Neurosurgery. 2013 Jul – 2013 Jun Woerdeman P, Pediatric Neurosurgery. 2012 Jul – 2013 Jun
Residents Supervised	<ul style="list-style-type: none"> Tu A, Neurosurgery Resident – Risk stratification of LMM for early deterioration. 2013 Jul – Present Gillis C, Neurosurgery Resident – CSF leaks in LMMC. Jul – 2013 Dec
Student Supervised	<ul style="list-style-type: none"> Gopalakrishnan CV, Fellow in Pediatric Neurosurgery. 2013 Jul – 2014 Jun Knerlich-Lukloschus F, Fellow in Pediatric Neurosurgery. 2013 Jul – 2014 Jun Carraras E, Summer Student – Visual failure due to arachnoiditis in patient with craniopharyngioma. 2013 May – 2013 Dec Lui V, Summer Student – CSF Leaks. 2012 May – 2013 Dec Woerdeman P, Fellow in Pediatric Neurosurgery. 2012 Jul – 2013 Jun Yang KY. Observer in Clinic, PhD researcher

Committee Participation:

Dr. Cochrane	<ul style="list-style-type: none"> Alberta Children's Hospital Foundation, Referee for Grants American Journal of Sports Medicine, Referee for Articles British Columbia Patient Safety Taskforce, PHSA, Member Canadian Journal of Neurosurgical Sciences, Referee for Articles and Books Hydrocephalus Clinical Research Network, Advisory Committee Institute of Patient Safety, University of Toronto, Advisory Board Member International Infant Hydrocephalus Study, Data Management Committee Management of Myelomeningocele Study, Outcome Review Committee Medical Research Council of Canada, Referee for Grants Neurosurgery, Referee for Articles Pediatric Neurosurgery, Referee for Articles Provincial Surgical Services Committee, PHSA, Member Spina Bifida Association of Canada, Referee for Grants Stereotactic Operations Working Group, BCCA, Member Stereotaxic Rediosurgery Team, BCCH, Member UBC Resident Education Committee, Division of Neurosurgery, Member
Dr. Kestle	<ul style="list-style-type: none"> American Board of Pediatric Neurosurgery, Director Child's Nervous System, Editorial Board Hydrocephalus Clinical Research Network, Chair International Infant Hydrocephalus Study, Data Management Committee Journal of Neurosurgery: Pediatrics, Editorial Board Management of Myelomeningocele Study, Outcome Review Committee UBC Resident Education Committee, Division of Neurosurgery, Member



Dr. Singhal

- American Academy of Neurosurgery, Pediatric Section, Executive Committee – ISPN liason
- Board Member. ThinkFirst (Injury Prevention Society)
- Canadian Journal of Neurological Sciences, Reviewer
- Chair, Examination Committee – Principles of Surgery, Royal College of Physician and Surgeons of Canada
- Child's Nervous System, Reviewer
- Journal Of Trauma, Reviewer
- Neurosurgery Resident Education Committee, UBC, member
- Rare Diseases Foundation of British Columbia – co-chair: scientific review committee; signing officer for research grant allocation. This included the review of over 40 grant applications
- Rare Disease Foundation (rarediseasefoundation.org) – Review of Annual Grants, Scientific Board
- Trauma Program, British Columbia Children's Hospital, Vancouver, BC, Director.

Dr. Steinbok

- BCCH Foundation, Finance Committee Member
- BCMA Tariff Committee, Member
- Brain Tumor Group, BCCA, Member
- Canadian Journal of Neurological Sciences, Reviewer
- Canadian Patient Safety Institute Board -Chair
- Childs Nervous System, Reviewer, Editorship
- Child Health Executive Council, BCCH, Member
- Children's Cancer Study, BCCA, Neurosurgical Representative
- Division of Neurosurgery, BCCH, Head
- International Society for Pediatric Neurosurgery, Executive Committee Member
- International Society for Pediatric Neurosurgery, President elect – became President
- Journal of Cerebral, Section Editor
- Journal of Neurological Sciences (Turkish), Editorship

Dr. Steinbok

- Journal of Pediatric Neurosciences (Indian), Editorship
- Medical Advisory Board member – Best Doctors of Canada
- Neurosciences Patient Based Care Unit, BCCH, Medical Director
- Neurosurgery Resident Education Committee, UBC, Member
- Neurosurgery, Reviewer
- Pediatrics, Reviewer
- Pediatric Neurosurgery Guide, Section Editor





Faculty On-Site:

- Dr. Christopher Lyons, Department Head
- Dr. Maryam Aroichane
- Dr. Jane Gardiner

Faculty Off-Site:

- Dr. David Albiani
- Dr. Roy Cline
- Dr. T. Alan Demco
- Dr. Peter Dolman (Oculoplastics, Orbit)
- Dr. Ross Kennedy
- Dr. Patrick Ma (Retina)
- Dr. Andrew Merkur
- Dr. Katherine Paton (Ocular Oncology)
- Dr. Megan Rees
- Dr. David Rossman (Oculoplastics, Orbit)
- Dr. Aron Tischler

Affiliations:

Visual Impairment Program

- Dr. Carey Matsuba

Research Department

- Christine Chapman
- Dr. Debbie Giaschi

Orthoptic staff

- Christy Giligson
- Vaishali Metha
- Andrea Quan
- Debbie Zylich

Electrophysiology Staff

- Richard Gonzalez

Administrative Staff:

- Joan Baldos
- Courtney Conroy
- Chloe Gregg
- Dolores Latham
- Natalie Wong
- Jennifer Yelland



Highlights and Achievements:

Clinical work

We continue to run busy clinics five days a week and in 2013-2014, 12,694 patients were seen in the Department. In that period, our surgical numbers were slightly reduced at 830, reflecting the increasing pressure on surgical facilities. In addition, Department members provide outreach services to several remote areas: Dr. Aroichane to Prince George BC, twice a year, Dr. Gardiner to Prince George, BC and Whitehorse, Yukon twice a year and Dr. Lyons to Nelson BC twice a year and Bella Coola BC, once a year. Doing so reduces the time and travel pressures on many children and families living in distant areas.

Department move

The many hours invested by several staff members to steer through this collaborative process certainly paid off since we achieved our desired outcome of enlarged premises, improved facilities while preserving the important adjacency of our research unit to facilitate future joint research projects.

Electrophysiology

Over recent years, UBC has been divesting itself of funding responsibilities for diagnostic services. This included retinal electrophysiology. In collaboration with administration, Dr. Lyons helped to generate a business plan to transfer the funding source from UBC to PHSA, a process which was finalized in the spring of 2014 when PHSA accepted to take this on. With the purchase of new equipment, we have started to address the significant waitlist which has built up for this essential diagnostic service.



Teaching: Undergraduate, Resident Teaching:

Once again, we organized a successful two-day international Pediatric Ophthalmology and Strabismus in September 2013, held at UBC Robson Square. There were four invited international speakers. The conference, which involved significant input from UBC/BCCH Staff Members, Postgraduate Fellows and Residents, attracted approximately 110 attendees.

Research/Publication: Papers

In 2013-2014, Department members had 25 Publications in the peer-reviewed literature, and did 16 Presentations at conferences

Research/Publication: Textbooks

Dr. Lyons is one of the two editors involved in the planning process for the 5th Edition of 'Pediatric Ophthalmology and Strabismus' due to be published by Elsevier.



Academic Activities:

Lectures & Presentations:

Dr. Albani	<ul style="list-style-type: none"> Endophthalmitis Epidemiology at Vancouver Acute and Vitreoretinal Surgery Instrumentation. UBC Department of Ophthalmology, Grand Rounds, 2013. Swept Source Optical Coherence Tomography. Western Canada Retina Retreat, 2013.
Dr. Cline	<ul style="list-style-type: none"> Slipped Muscles, Review Repair. Vancouver Pediatric Ophthalmology, 2013 Sep. Complex Reoperative Strabismus. University of Calgary, 2013 May. Oblique dysfunction. Resident teaching. University of Calgary, 2013 May. University of Calgary Dept. of Ophthalmology. Invited Lecturer, 2013 May.
Dr. Giaschi	<ul style="list-style-type: none"> The effect of speed on human motion processing. Department of Zoology, UBC, 2013 Nov. New binocular approaches to amblyopia treatment. Lions Eye Summit: Gained in Translation, Department of Ophthalmology, University of Washington, 2013 Sep. Using motion perception in the assessment and treatment of amblyopia. Pediatric Ophthalmology & Strabismus conference. Vancouver, BC, 2013 Sep.
Dr. Lyons	<ul style="list-style-type: none"> Optic Disc Anomalies (including swelling) in Childhood . When to worry. Childhood Glaucoma. Danish Ophthalmological Society. Kolding, Denmark, 2014 Mar 7-9. The Anomalous Optic Disc in Childhood: Reflections of the Brain. Practical Pediatric Cataract Management. Saudi Ophthalmological Society. Riyadh, Saudi Arabia, 2014 Mar. Rocky Mountain Eye Conference. Eye Physicians and Surgeons Association of Alberta Annual Meeting. Banff, AB, 2014 Feb 21-23.



Dr. Lyons	<ul style="list-style-type: none"> Pediatric Ophthalmology and Strabismus Conference. UBC Robson Square. Vancouver, BC. 2013 Sep 6-7. Lyons CJ, Alqahtani E. Strabismus Surgery in Thyroid Orbitopathy: How to avoid the pitfalls. International Thyroid Eye Disease Society. Vancouver, BC. 2013 Jun 28-29. Alqahtani E, Gardiner J, Ko A, Lyons CJ. Botulinum Toxin-induced Ptosis in the management of neurotrophic keratopathy. A series. Canadian Ophthalmological Society. Montreal, QC. 2013 Jun 14-17. Organizer, UBC Grand Rounds. May 2013. Dr Scott Lambert Atlanta USA. The Infant Aphakia Trial. An Update Disc Swelling in Childhood. The Child's Orbit and the Pediatric Ophthalmologist. Conference Organizer. Chair, Panel Discussion. Case presentations for Panel Discussion. Management of Incomitant Strabismus I Management of Incomitant Strabismus II. Botulinum toxin in ophthalmology. Can my child see?
Dr. Rees	<ul style="list-style-type: none"> This Child Has Tracking Difficulties. Please Help. Pediatric Ophthalmology Meeting. Presentation, Vancouver, BC.
Publications:	
Dr. Giaschi	<ul style="list-style-type: none"> Meier K, Giaschi D. The maturation of global motion perception depends on the spatial and temporal offsets of the stimulus. Vision Research. 2014;95:61-67.
Dr. Giaschi	<ul style="list-style-type: none"> Giaschi D, Narasimhan S, Solski A, Harrison E, Wilcox LM. On the typical development of stereopsis: fine and coarse processing. Vision Res. 2013 Aug 30;89:65-71.
Dr. Albani	<ul style="list-style-type: none"> Cao S, Ko A, Partanen M, Pakzad-Vaezi K, Merkur AB, Albani DA, Kirker AW, Wang A, Cui JZ, Forooghian F, Matsubara JA. Relationship between systemic cytokines and complement factor H Y402H polymorphism in patients with dry age-related macular degeneration. Am J Ophthalmol. 2013 Dec;156(6):1176-83.
Dr. Albani	<ul style="list-style-type: none"> Forooghian F, Maberley D, Albani DA, Kirker AW, Merkur AB, Etminan M. Uveitis risk following oral fluoroquinolone therapy: a nested case-control study. Ocul Immunol Inflamm. 2013 Oct;21(5):390-3.
Dr. Lyons	<ul style="list-style-type: none"> Oystreck DT, Lyons C. Comitant Strabismus: Perspectives, present and future. Saudi J Ophthalmol. 2013 Jul;(8):265-70.
Drs. Dolman / Lyons	<ul style="list-style-type: none"> Tsang HH, Dolman PJ, Courtemanche DJ, Rassekh SR, Senger C, Lyons C. Pre-natal presentation of fronto-orbital congenital infantile fibrosarcoma: a clinicopathologic report. JAMA Ophthalmol. 2013 Jul;13(7):965-7.
Dr. Albani	<ul style="list-style-type: none"> Lee S, Fallah N, Forooghian F, Ko A, Pakzad-Vaezi K, Merkur AB, Kirker AW, Albani DA, Young M, Sarunic MV, Beg MF. Comparative analysis of repeatability of manual and automated choroidal thickness measurements in nonneovascular age-related macular degeneration. Invest Ophthalmol Vis Sci. 2013 Apr 23;54(4):2864-71.
Drs. Giaschi / Lyons	<ul style="list-style-type: none"> Giaschi D, Lo R, Naraimhan S, Lyons C, Wilcox LM. Sparing of coarse stereopsis in stereodeficient children with a history of amblyopia. J Vis. 2013;13(10).
Drs. Giaschi / Lyons	<ul style="list-style-type: none"> Giaschi D, Lo R, Narasimhan S, Lyons C, Wilcox L. Sparing of coarse stereopsis in stereodeficient children with a history of amblyopia. Journal of Vision. 2013;13(10):17.



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| Dr. Albiani | <ul style="list-style-type: none"> Ding W, Young M, Bourgault S, Lee S, Albiani DA, Kirker AW, Forooghian F, Sarunic MV, Merkur AB, Beg MF. Automatic detection of subretinal fluid and sub-retinal pigment epithelium fluid in optical coherence tomography images. Conf Proc IEEE Eng Med Biol Soc. 2013;2013:7388-91. |
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Abstracts:

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| Dr. Giaschi | <ul style="list-style-type: none"> Giaschi D, Narasimhan S, Solski A, Harrison E, Wilcox L. On the typical development of stereopsis: fine and coarse processing. Vision Research. 2013;88:65-71. |
| Drs. Giaschi / Lyons | <ul style="list-style-type: none"> Giaschi D, Chapman C, Narasimhan S, Ho C, Lyons C, Regan D. Motion perception deficits and occlusion therapy for amblyopia. Child Vision Research Society. 2013. |
| Dr. Giaschi | <ul style="list-style-type: none"> Meier K, Partanen M, Lo R, Giaschi D. Neural correlates of speed-tuned differences in global motion and motion-defined form perception. Journal of Vision. 2013;13(9):360. |
| Dr. Giaschi | <ul style="list-style-type: none"> Partanen M, Bjornson B, Edgell D, Giaschi D. Effect of difficulty on orthographic and phonological single-word reading activation in developmental dyslexia. Human Brain Mapping conference. 2013. |
| Dr. Giaschi | <ul style="list-style-type: none"> Wilcox L, Redwood J, Giaschi D. Does the loss of sensory fusion demarcate fine vs coarse processing? Journal of Vision. 2013;13(9):1178. |

Textbooks:

- | | |
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| Dr. Lyons | <ul style="list-style-type: none"> Lyons C, Wiwatwongwana A. Eye Movement Control and its disorders. Handb Clin Neurol. 2013;113:1505-13. |
| Dr. Lyons | <ul style="list-style-type: none"> Lyons C, Wiwatwongwana A. The optic Nerve and Visual Pathways. Handb Clin Neurol. 2013;113:1515-25 |
| Dr. Lyons | <ul style="list-style-type: none"> Kahook M, Schuman J, Epsrein D. Aphakic Glaucoma. The 9th consensus report of the World Glaucoma Association Consensus 5th ed. |

Honours and Awards:

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| Dr. Cline | <ul style="list-style-type: none"> UBC 25 year Long Term Recognition BCCH 25 year Long Term Recognition |
| Dr. Demco | <ul style="list-style-type: none"> 2013 January 24. Providence Health Long Service Awards Presentation 25, 30 and 35 year Recipient |
| Dr. Giaschi | <ul style="list-style-type: none"> 2013 June. Basic Science Research Award, Department of Ophthalmology, UBC |
| Dr. Lyons | <ul style="list-style-type: none"> 2013 Resident Teaching Award UBC Department of Ophthalmology and Visual Sciences |



Grant Funding Received: \$

Dr. Giaschi	Granting Agency: CIHR Interventions for dyslexia: effectiveness and neurological correlates Co-Investigator(s): Seigel L, Partanen M Mackay M, Rauscher A COMP: C \$259,410 Per year
Dr. Giaschi	Granting Agency: NSERC Brain mechanisms underlying human motion perception COMP: C \$155,000 Per year

Fellows Supervised:

Dr. Albiani	<ul style="list-style-type: none"> Dr. Matthew Simonvic, Australia. 2013 Jul-2014 Jun Dr. Chandrakumar Balaratnasingham, Australia. 2013 Jul-present Dr. Serge Bougault, Canada. 2012 Jul-2013 Jun Dr. Shane Durkin, Australia. 2012 Jul-2013 Jun
Dr. Aroichane	<ul style="list-style-type: none"> Madeline Kwok, Hong Kong. 2014 Mar-Present Flavia Godoy, Brazil. 2013 Jul-2014 Jul Lotte Welinder, Denmark. 2013 May-2013 Jul Elham Al Qahtani, Saudi Arabia. 2012 Jan-Present Ricardo Toro Pineda, Honduras. 2012 Jul-2013 Jun
Dr. Gardiner	<ul style="list-style-type: none"> Ricardo Toro Pineda, Honduras. 2012 Jul-2013 Jun Lotte Welinder, Denmark. 2013 May-2013 Jul Flavia Godoy, Brazil. 2013 Jul-2014 Jul Madeline Kwok, Hong Kong. 2014 Mar-Present
Dr. Giaschi	<ul style="list-style-type: none"> Marcus Watson – postdoctoral fellow
Dr. Lyons	<ul style="list-style-type: none"> Elham Al Qahtani, Saudi Arabia. 2012 Jan-Present Ricardo Toro Pineda, Honduras. 2012 Jul-2013 Jun Lotte Welinder, Denmark. 2013 May-2013 Jul Flavia Godoy, Brazil. 2013 Jul-2014 Jul Madeline Kwok, Hong Kong. 2014 Mar-Present

Teaching Resident and Undergraduate Teaching:

- Each Year, all PGY3 & PGY 4 UBC residents rotate through Pediatric Ophthalmology for an 8 week period. During these rotations, Drs. Hall, Nathoo, Joe, O'Donnell, Pakzad-Vaezi, Silver were supervised by Drs Aroichane, Cline, Gardiner, Kennedy, Lyons and Rees.
- 3rd year Medical Students rotate through the Department of Ophthalmology every week.
- Dr. Jane Gardiner is Head of undergraduate teaching for the UBC Department of Ophthalmology and Visual Sciences.
- Drs. Albiani, Aroichane, Demco, Dolman, Gardiner, Cline, Kennedy, Lyons, Ma, Merkur, Paton, Rees, Rossman and Tischler Supervise UBC medical students on Ophthalmology Rotation.

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| Dr. Giaschi | <ul style="list-style-type: none"> Psychology 367 (Sensory Systems): 39 hours, 184 students Psychology 368 (Perceptual Processes): 39 hours, 75 students Kim Meier – graduate student Marita Partanen – graduate student Preeti Minhas – worklearn student Sharneet Sandhu – worklearn student Grace Qiao – summer student Samin Liaghat – summer student |
|-------------|---|

Orthoptic Students Supervised:

- Rawn Stokoe, 2011 Jul-2013 Jun
- Denoshaa Jeyatheswaren, 2013 Jul-2015 Jun
- Rebecca Rewi, 2013 Jul-2015 Jun
- Orthoptic Practicum Students from La Trobe University, Melbourne Australia.



Committee Participation:

Dr. Albiani	<ul style="list-style-type: none"> British Columbia Society of Eye Physicians and Surgeons, Past President, 2013-2014 Provincial Health Services Authority, Active Staff, 2013-Present British Columbia Society of Eye Physicians and Surgeons, President, 2012-2013 UBC Vitreoretinal Surgery Fellowship, Director, 2012-Present Society of Specialist Physicians and Surgeons, Ophthalmology, Member, 2011-Present UBC Department of Ophthalmology, Clinical Assistant Professor, 2011-Present BC Children's Hospital, Consultant Staff, 2010-Present Providence Health Care, Active Staff, 2010-Present Vancouver Acute, Active Staff, 2010-Present American Society of Retina Specialists, Member, 2009-Present BC Society of Eye Physicians and Surgeons, Member, 2008-Present College of Physicians and Surgeons of BC, Full License, 2008-Present Royal College of Physicians and Surgeons of Canada, Fellow, 2007-Present British Columbia Medical Association, Member, 2007-Present Canadian Ophthalmological Society, Member, 2002-Present Medical Council of Canada, Licentiate, 2002-Present Canadian Medical Association, Member, 2000-Present Ontario Medical Association, Member, 2000-Present
Dr. Aroichane	<ul style="list-style-type: none"> American Association for Pediatric Ophthalmology and Strabismus, Member Association des Médecins Ophtalmologistes du Québec, Member BC Society of Eye Physicians and Surgeons, Member Canadian Association of Pediatric Ophthalmologists, Member Canadian Ophthalmological Society, Member
Dr. Aroichane	<ul style="list-style-type: none"> Canadian Orthoptic Council, President College of Physicians and Surgeons of British Columbia, Fellow Collège des Médecins du Québec, Member North American Neuro-Ophthalmology Society, Member Royal College of Physicians and Surgeons of Canada, Fellow
Dr. Cline	<ul style="list-style-type: none"> American Orthoptic Council, Member American Orthoptic Council, Public Relations Committee American Orthoptic Council, Planning Committee AAO Sunday Symposia American Orthoptic Council, Training and Accreditation Committee Strabismus, Canadian Journal Ophthalmology, Reviewer Royal College of Physicians and Surgeons of Canada. Fellow VGH Undergraduate Teaching Committee, Member. 2005-present Reviewer, Canadian Journal Ophthalmology. 2000-present American Assoc. for Pediatric Ophthalmology and Strabismus. 1986-present University of Iowa alumni assoc. 1986-present BC Society of Eye Physicians and Surgeons. 1984-present Canadian Ophthalmology Society member. 1984-present UBC Fort St. John Residents Teaching Clinic. 1984-present BC Medical Accos, Doctors of BC. 1972-present University of Saskatchewan alumni assoc. 1971-present
Dr. Demco	<ul style="list-style-type: none"> American Academy of Ophthalmology BC Children's & Women's Hospital, Active Staff British Columbia Medical Association British Columbia Society of Eye Physicians and Surgeons Canadian Medical Association Diplomat of the National Board of Medical Examiners of the United States of America Medial Board of California



Dr. Demco	<ul style="list-style-type: none">• Providence Health Care, Active Staff• Royal College of Physicians and Surgeons of Canada• UBC Department of Ophthalmology, Clinical Associate Professor• University of British Columbia, Ophthalmology Executive Advisory Committee• Vancouver Acute, Consultant Staff	Dr. Giaschi	<ul style="list-style-type: none">• Journal of Speech, Language and Hearing Research, manuscript reviewer, 2013• Neuroscience Letters, manuscript reviewer, 2013• NIHR-UK and Fight For Sight - UK, grant reviewer, 2013• UBC Internal Review (Office of the VP research), 2013 Sep• Summative Peer Review of Teaching, UBC Faculty of Medicine, Departmental rep, 2012-present• Visual Neuroscience, manuscript reviewer, 2012-present• Child and Family Research Imaging Facility protocol review committee, chair, 2011-present• Ophthalmology Executive Advisory Committee, member, 2011-present• Investigative Ophthalmology and Vision Science, Manuscript Reviewer, 2009-present• NSERC Undergraduate Student Research Awards UBC Faculty of Medicine, coordinator, 2007-present• UBC High Field MRI Centre Protocol Review committee, member, 2004-present• Residency Training Committee, Ophthalmology, member, 1998-present
Dr. Dolman	<ul style="list-style-type: none">• UBC Ophthalmology and Vision Science, Division Head of Oculoplastics, 2009 – present• Royal College of Physicians and Surgeons of Canada, Fellow	Dr. Kennedy	<ul style="list-style-type: none">• BC Government Vision Screening Steering Committee, Member, 2007 to present• Vision Screening Committee, American Association for Pediatric Ophthalmology and Strabismus, Member, current• iScreen LLC, Memphis, Tennessee, Chief Technical Officer, 1997 – present• American Association for Pediatric Ophthalmology and Strabismus, Member• BC Society of Eye Physicians and Surgeons, Member• Canadian Ophthalmology Society, Member• Canadian Association of Pediatric Ophthalmologists, Member• Royal College of Physicians and Surgeons of Canada, Fellow
Dr. Gardiner	<ul style="list-style-type: none">• Canadian Orthoptics Society, Honourary Meeting Chair, 2014• UBC Residency Training Committee, Member, 2014• Canadian Orthoptics Society, BC Yukon representative, 2013-present• Department of Ophthalmology and Vision Science, UBC Undergraduate Director, 2010 – present• Canadian Association of Pediatric Ophthalmology and Strabismus, Secretary/Treasurer, 2008 – present• UBC Ophthalmology Continuing Education Committee, Member, 2008 present• Royal College of Physicians and Surgeons of Canada, Ophthalmology Examiner, 2007-present• Orthoptics Training Program, BCCH, Medical Director, July 2006 – present• British Columbia Children's Hospital Ophthalmology Staff Committee, Member, 2000 – present• American Association of Pediatric Ophthalmology and Strabismus, Member• Canadian Ophthalmological Society, Member• Royal College of Physicians and Surgeons of Canada, Fellow		
Dr. Giaschi	<ul style="list-style-type: none">• Child & Family Research Imaging Facility, Director of Operations, 2013-present• Brain, manuscript reviewer, 2013		



Dr. Lyons

- American Association for Pediatric Ophthalmology and Strabismus, Member
- BCCH Department of Ophthalmology, Head
- BCCH Surgical Specialties Cabinet Committee, Member
- BC Society of Eye Physicians & Surgeons, Member
- British Journal of Ophthalmology, Reviewer
- Canadian Association of Pediatric Ophthalmology, Member
- Canadian Journal of Ophthalmology, Reviewer
- Canadian Ophthalmological Society, Member
- Eye, Reviewer
- Journal of the Association for Pediatric Ophthalmology & Strabismus, Reviewer
- UBC Ophthalmology Advisory Committee, Member
- UBC Ophthalmology Manpower Committee, Member
- RCPSC Test Committee in Ophthalmology, Member, 2001-present
- RCPSC Written Exam Committee Vancouver representative, Member, 1996-present
- Royal College of Ophthalmologists (UK), Fellow
- Royal College of Physicians and Surgeons of Canada, Fellow
- Royal College of Physicians and Surgeons of Canada Ophthalmology Nucleus Committee, Member
- Royal College of Surgeons (Glasgow), Fellow
- VGH Medical Staff Committee, Member
- VGH Ophthalmology Staff Committee, Member

Dr. Ma

- QLT, Co-Investigator, present
- UBC Ophthalmology Credentials committee, 2010 - present
- BCSEPS, Optometric Scope of Practice, Member, 1995 - present
- American Academy of Ophthalmology, Member
- ASRS American Society of Retina Specialists, Member
- Canadian Ophthalmological Society, Member
- CJO, Retinal paper, Reviewer

Dr. Ma

- Royal College of Physicians and Surgeons of Canada, Fellow
- SCHEPENS International Society, Member
- UBC Ophthalmology Clinical Appointment and Promotions Committee
- VGH OR Review Steering Committee, Member
- VGH OR Capital Disposable Equipment Ophthalmology Committee, Member
- Vitreous Society, Member

Dr. Rees

- Women in Ophthalmology Member 2013-present
- American Pediatric Ophthalmologic Society, Member, 1995-Present
- Canadian Association of Pediatric Ophthalmologists, Member, 1995-Present
- The Federation of Medical Women of Canada, Member, 1995-Present
- B.C. Society of Eye Physicians and Surgeons, Member, 1994-Present
- Canadian Orthoptic Council, Member, 1993-Present
- Society of Specialist Physicians and Surgeons of BC, Member, 1992-Present
- Royal College of Physicians and Surgeons of British Columbia, Fellow, 1991-Present
- The Royal College of Physicians and Surgeons of Canada, Fellow, 1991-Present
- The British Columbia Medical Association, Member, 1991-Present
- The Canadian Medical Association, Member, 1991-Present
- Canadian Ophthalmological Society, Member, 1987-Present

Dr. Rossman

- College of Physicians and Surgeons of British Columbia 2005-present
- General Medical Council of England (Full Registration) 2005-present
- American Academy of Ophthalmology 2000-present
- Canadian Ophthalmological Society 2000-present
- Canadian Medical Association 1999-present
- Ontario Medical Association 1999-present



Faculty Members:

- Dr. Christopher W. Reilly, Associate Professor, Department Head
- Dr. Richard D. Beauchamp, Clinical Professor
- Dr. Kenneth L.B. Brown, Clinical Professor
- Dr. Christine M. Alvarez, Associate Professor
- Dr. U.K. Kishore Mulpuri, Assistant Professor
- Dr. Firoz Miyanji, Clinical Assistant Professor
- Dr. Shafique P. Pirani, Clinical Professor
- Alec Black, Clinical Instructor

Staff Members:

- Jill Kennedy, Research (for Drs. Reilly and Mulpuri)
- Michael Nitikman, Research (for Dr. Miyanji)
- Sameer Desai, Research (for Dr. Miyanji)
- Janice Andrade, Research (for Drs. Reilly and Mulpuri)
- Harpreet Chhina, Research (for Dr. Alvarez)
- Alyssa Howren, Research (for Dr. Alvarez)
- Brenda Whitworth, Administrative Secretary
- Michele Stark, MOA to Dr. C. Reilly
- Judy Woodward, MOA to Dr. R. Beauchamp
- Ivy Ho, MOA to Dr. K. Brown
- Marilyn Timbrell, MOA to Dr. C. Alvarez
- Jennifer Farr, MOA to Dr. F. Miyanji & Dr. K. Mulpuri
- Olivia Edwards, Clerical Assistant to Dr. F. Miyanji & Dr. K. Mulpuri
- Anna Stonehouse, MOA to Dr. S. Pirani
- Cory Savitsky, RN, Nurse Clinician
- Brenda Willms, RN, Nurse Clinician
- Melissa Merrells, RN, Clinic Nurse
- Jennifer Dunlop, Nurse Practitioner
- Fidel Brooks, Cast Technician
- Ricardo Botia, Cast Technician
- Shelina Kabani, Orthopaedic Clinic
- Manjit Baines, Orthopaedic Clinic
- Kyla Oughton, Orthopaedic Clinic
- Stacey Miller/Maria Juricic PT, CP Clinic
- Kim Hesketh/Christopher Stokes OT, Ortho Clinic
- Daphne O'Young, OT, Ortho Clinic



Highlights and Achievements:



Dr. Reilly: 2013 Silver Anniversary Award, the University of British Columbia, Faculty of Medicine.

Dr. Miyanji: Masters of Health Sciences (MHSc), University of British Columbia, School of Population and Public Health, 2013-Present.

Dr. Pirani: 2013 Honorary Medical Alumnus Award, UBC Medical Alumni Association, a Division of the University of British Columbia Alumni Association.





Academic Activities:

Presentations:

Dr. Reilly	<ul style="list-style-type: none"> • Orthopaedic Management of Marfans Syndrome. CFRI. Vancouver, BC. 2013 Sep 27-28. • Shoulder Position in Thoracic Scoliosis Correction, International Pediatric Orthopaedic Think Tank (IPOTT). Vancouver, BC. 2013 Sep 26. • Instructional Course – Management of Foot Deformities. Canadian Orthopaedic Association Annual Meeting. Winnipeg, MB. 2013 Jun 22. • Pediatric Orthopaedic Society of North America Annual Meeting, Board Meeting, Toronto, Ontario. 2013 May 1-4.
Dr. Alvarez	<ul style="list-style-type: none"> • Congenital Foot Deformities. Lower Limb Musculoskeletal Development and Common Gait Abnormalities. Vancouver, BC. 2013 Oct 25-26. • Pediatric Orthopaedic Society of North America Annual Meeting. Toronto, ON. 2013 May 1-4. Attendee.
Dr. Mulpuri	<ul style="list-style-type: none"> • Putting knowledge into Practice: Hip Surveillance in British Columbia. Canadian Association of Paediatric Health Centres Annual Conference. Vancouver, BC. 2013 Oct 29-30. • Canadian Orthopaedic Association Annual Meeting. Winnipeg, MB. 2013 Jun 19-22. Chair. • Presentation and management of children <18-months old with DDH: observations from an international multi-center study group>. E-poster. Pediatric Orthopaedic Society of North America Annual Meeting. Toronto, ON. 2013 May 1-4. • A prospective multi-center study of neuromonitoring for cerebral palsy: the nature and rate of alerts and recovery of changes. Scoliosis Research Society Annual Meeting. Lyons, France. 2013 Sep.

Dr. Miyanji

- Does operative care of adolescent idiopathic scoliosis improve outcomes compared to non-operative treatment? Scoliosis Research Society Annual Meeting. Lyons, France. 2013 Sep.
- The effect of time and fusion length on motion of the un-fused lumbar segments in adolescent idiopathic scoliosis. Scoliosis Research Society Annual Meeting. Lyons, France. 2013 Sep.
- The impact of prolonged surgical wait times on AIS: what complications can be expected? Scoliosis Research Society Annual Meeting. Lyons, France. 2013 Sep.
- What is different about surgically treated AIS patients who achieve a minimally clinically important difference (MCID) in appearance at five years post surgery? Scoliosis Research Society Annual Meeting. Lyons, France. 2013 Sep.
- What are the indications of anterior spinal instrumentation and fusion in pediatric deformity in 2013? The Role of MIS in Treating Adolescent Idiopathic Scoliosis. The Impact of Surgical Waitlist on Scoliosis. Scoliosis Research Society Travelling Fellowship. Istanbul, Turkey; Nizhny, Russia; Bristol, United Kingdom; Heidelberg, Germany; Zurich, Switzerland; Lyons, France. 2013 Aug-Sep.
- MIS in Adolescent Deformity, International Meeting of Advanced Spinal Techniques (IMAST). Vancouver, BC. 2013 Jul 10-13.
- Hip subluxation, pelvic obliquity, and scoliosis in the CP population: a random triad or a predictable relationship? Pediatric Orthopedic Society of North America Annual Meeting. Toronto, ON. 2013 May.

Dr. Pirani

- Changing Lives with Clubfoot Management in Uganda and Bangladesh. Westminster Medical Association Annual General Meeting. Simon Fraser University. Burnaby, BC. 2013 May 22.



Lectures:

Dr. Reilly	<ul style="list-style-type: none">• Case Presentation. (Dr. Timothy Carey, Visiting Professor) BCCH Department of Orthopaedic Surgery Education Day. 2013 Nov.• What are the Indications for Anterior Instrumentation and Fusion for the Treatment of Pediatric Spinal Deformity. (Presenter: Dr. Miyanji). UBC Department of Orthopaedics Grand Rounds. 2013 Jun 26. Attendee – 1 hour.• Prospective study groups in pediatric orthopaedics: pediatric hip: Are we there yet? (Presenter: Dr. Mulpuri). BCCH OPSEI Rounds. 2013 Jun 4. Attendee – 1 hour.• Dethroning Near: Has the Age of Impingement Come to an End. UBC Department of Orthopaedics Grand Rounds. 2013 May 29. Attendee – 1 hour.• Long Bone Deformity. (Presenters: Dr. Tewodros Zerfu and Dr. Nyiuro Francisco, Visiting Surgeons). BCCH Rounds. 2013 May 9 – 1 hour.• Orthopaedic Update and Research Day, UBC Department of Orthopaedics, Faculty of Medicine. Vancouver, BC. 2013 Apr 26.• Access to Care: How Many Orthopaedic Surgeons Does It Take To Care For A Community?. UBC Department of Orthopaedics. Attendee – 1 hour.	Dr. Beauchamp	<ul style="list-style-type: none">• Transitioning patients. BCCH OPSEI Rounds. 2013 Nov 5. Attendee – 1 hour.• Orthopaedic Community Care. UBC Department of Orthopaedics Grand Rounds. Vancouver, BC. 2014 Oct 30. Attendee – 1 hour.• Normal Variations in Children. PT Conference. Vancouver, BC. 2014 Oct 25 – 3 hours.• Outcomes. UBC Department of Orthopaedics Grand Rounds. Vancouver, BC. 2014 Oct 23. Attendee – 1 hour.• Hip Fractures. UBC Department of Orthopaedics Grand Rounds. Vancouver, BC. 2014 Sep 11. Attendee – 1 hour.• Running Injuries. UBC Running Room. Vancouver, BC. 2014 Sep 16 – 1 hour.• Running Injuries. UBC Running Room. Vancouver, BC. 2014 Aug 27 – 1 hour.• What are the Indications for Anterior Instrumentation and Fusion for the Treatment of Pediatric Spinal Deformity? (Presenter: Dr. Miyanji). UBC Department of Orthopaedics Grand Rounds. 2013 Jun 26. Attendee – 1 hour.• TLIF. UBC Department of Orthopaedics Grand Rounds. Vancouver, BC. 2014 Jun 12. Attendee – 1 hour.• Ankle Arthritis. UBC Department of Orthopaedics Grand Rounds. Vancouver, BC. 2014 Jun 5. Attendee – 1 hour.• Prospective study groups in pediatric orthopaedics: pediatric hip: Are we there yet? (Presenter: Dr. Mulpuri). BCCH OPSEI Rounds. 2013 Jun 4. Attendee – 1 hour.• Neer Impingement Syndrome. UBC Department of Orthopaedics Grand Rounds. Vancouver, BC. 2014 May 29. Attendee – 1 hour.• Fibula Nail. UBC Department of Orthopaedics Grand Rounds. Vancouver, BC. 2014 May 15. Attendee – 1 hour.• Orthopaedic Update and Research Day, UBC Department of Orthopaedics, Vancouver, BC. 2013 Apr 26-27 - 14 hours.• Injuries. UBC sports Medicine Group Talk. Vancouver, BC. 2014 Apr 16.
Dr. Beauchamp	<ul style="list-style-type: none">• Undergrad Teaching. UBC Department of Orthopaedics Grand Rounds. Vancouver, BC. 2014 Dec 18. Attendee – 1 hour.• Industry/Research. UBC Department of Orthopaedics Grand Rounds. Vancouver, BC. 2014 Dec 11. Attendee – 1 hour.• Running Injuries. UBC Running Room. Vancouver, BC. 2014 Nov 28 – 1 hour.• VAC Therapy. UBC Department of Orthopaedics Grand Rounds. Vancouver, BC. 2014 Nov 27. Attendee – 1 hour.• Case Presentation. (Dr. Timothy Carey, Visiting Professor). BCCH Department of Orthopaedic Surgery Education Day. 2013 Nov 22.• Shoulder Arthroplasty. UBC Department of Orthopaedics Grand Rounds. Vancouver, BC. 2014 Nov 20 Attendee – 1 hour.• OI. UBC Department of Orthopaedics Grand Rounds. Vancouver, BC. 2014 Nov 6. Attendee – 1 hour.		



Dr. Beauchamp

- Moderator Panel. Orthopaedic Update and Research Day. UBC Department of Orthopaedics, Faculty of Medicine. Vancouver, BC. 2013 Apr 25 – 1.5 hours.
- Nerve Grafts. UBC Department of Orthopaedics Grand Rounds. Vancouver, BC. 2014 Apr 10. Attendee – 1 hour.
- ACL Injuries. UBC Department of Orthopaedics Grand Rounds. Vancouver, BC. 2014 Apr 3. Attendee – 1 hour.
- Long Bone Deformity. (Presenters: Dr. Tewodros Zerfu and Dr. Nyiir Francisco, Visiting Surgeons). BCCH Rounds. 2013 May 9 – 1 hour.
- Power Equipment in third world. UBC Department of Orthopaedics Grand Rounds. Vancouver, BC. 2014 May 1. Attendee – 1 hour.

Dr. Alvarez

- Case Presentation. (Dr. Timothy Carey, Visiting Professor). BCCH Department of Orthopaedic Surgery Education Day. 2013 Nov 22.
- What are the Indications for Anterior Instrumentation and Fusion for the Treatment of Pediatric Spinal Deformity. (Presenter: Dr. Miyanji). UBC Department of Orthopaedics Grand Rounds. 2013 Jun 26. Attendee – 1 hour.
- Prospective study groups in pediatric orthopaedics: pediatric hip: Are we there yet? (Presenter: Dr. Mulpuri). BCCH OPSEI Rounds. 2013 Jun 4. Attendee – 1 hour.
- Long Bone Deformity. (Presenters: Dr. Tewodros Zerfu and Dr. Nyiir Francisco, Visiting Surgeons). BCCH Rounds. 2013 May 9 – 1 hour.
- Orthopaedic Update and Research Day, UBC Department of Orthopaedics, Faculty of Medicine. Vancouver, BC. 2013 April 26.

Dr. Mulpuri

- What are the Indications for Anterior Instrumentation and Fusion for the Treatment of Pediatric Spinal Deformity? (Presenter: Dr. Miyanji). UBC Department of Orthopaedics Grand Rounds. 2013 Jun 26 Attendee – 1 hour.
- Prospective study groups in pediatric orthopaedics: pediatric hip: Are we there yet? (Presenter: Dr. Mulpuri). BCCH OPSEI Rounds. 2013 Jun 4. Attendee – 1 hour.

Dr. Mulpuri

- Musculoskeletal causes, impact, surgical options and prevention for children who have Cerebral Palsy. Kids in Motion Conference and Workshop. Vancouver, BC. 2013 May 10.
- Long Bone Deformity. (Presenters: Dr. Tewodros Zerfu and Dr. Nyiir Francisco, Visiting Surgeons) BCCH Rounds. 2013 May 9 – 1 hour.
- Orthopaedic Update and Research Day, UBC Department of Orthopaedics, Faculty of Medicine, Vancouver, BC. 2013 Apr 26.
- Complex Case Discussions. University of Alberta Medical School. Edmonton, AB. 2013 Apr 19.
- Pediatric Hip: Are we there yet?. University of Alberta Medical School. Edmonton, AB. 2013 Apr 18.

Dr. Miyanji

- BCCH: Perspective on the SRS Travelling Fellowship. (Dr. Timothy Carey, Visiting Professor). BCCH Department of Orthopaedic Surgery Education Day. 2013 Nov 22.
- What are the Indications for Anterior Instrumentation and Fusion for the Treatment of Pediatric Spinal Deformity. (Presenter: Dr. Miyanji). UBC Department of Orthopaedics Grand Rounds. 2013 Jun 26. Attendee – 1 hour.
- Prospective study groups in pediatric orthopaedics: pediatric hip: Are we there yet? (Presenter: Dr. Mulpuri). BCCH OPSEI Rounds. 2013 Jun 4. Attendee – 1 hour.
- Long Bone Deformity. (Presenters: Dr. Tewodros Zerfu and Dr. Nyiir Francisco, Visiting Surgeons) BCCH Rounds. 2013 May 9 – 1 hour.
- Orthopaedic Update and Research Day, UBC Department of Orthopaedics, Faculty of Medicine, Vancouver, BC. 2013 Apr 26.

Dr. Pirani

- Case Presentation. (Dr. Timothy Carey, Visiting Professor). BCCH Department of Orthopaedic Surgery Education Day. 2013 Nov. Attendee.
- Can It Work? Does It Work? Is It Worth It? BC Orthopaedics Association Annual Meeting, UBC Department of Orthopaedics Update, Research Day 2013. Simon Fraser University. Burnaby, BC. 2013 Apr 26. Keynote Speaker.



Dr. Pirani

- Moderator, Instructor: BC Orthopaedics Association Annual Meeting, UBC Department of Orthopaedics Update, Research Day 2013. Simon Fraser University Harbour Centre. Vancouver, BC. 2013 Apr 25-26.

Dr. Black

- Observational Gait Analysis. Lower Limb Musculoskeletal Development and Common Gait Abnormalities. CFRI Chan Centre. Vancouver, BC. 2013 Oct 25-26.

Formal Teaching:

Dr. Mulpuri

- SPPH 517: Clinical Research Methods for Surgical Procedures. 2013 – 10 hours.
- 2. Resident Oral Exams. UBC Department of Orthopaedics. 2013 Oct – 3 hours.

Dr. Miyanji

- Spine & Segmental Dermatomes. UBC Clinical Skills Tutorial, VGH. 2013 Nov 1 – 4 hours.

Dr. Beauchamp

- Journal Club (w/Residents). 2013 Dec 12 – 3 hours.
- Gait. Seminar for Fellows/Residents, BCCH. 2013 Nov 1 – 2 hours.
- Knee, Foot & Ankle. UBC Clinical Skills Tutorial, VGH. 2013 Oct 16 – 4 hours.

Publications:

Dr. Alvarez

- Chhina HK, Howren A, Simmonds A, Alvarez CM. Onabotulinumtoxin A ® injections: A safety review of children with clubfoot under 2 years of age at BC Children's Hospital. Eur J Paediatr Neurol. 2014 Mar;18(2):171-5.

Drs. Alvarez/
Beauchamp/
Black

- Maurer JD, Ward V, Mayson TA, Davies KR, Alvarez CM, Beauchamp RD, Black AH. Classification of midfoot break using multi-segment foot kinematics and pedobarography. Gait Posture. 2014 Jan;39(1):1-6.

Dr. Miyanji

- Samdani AF, Belin EJ, Bennett JT, Pahys JM, Marks MC, Miyanji F, Shufflebarger HL, Lonner BS, Newton PO, Betz RR, Cahill PJ. Unplanned return to the operating room in patients with adolescent idiopathic scoliosis: are we doing better with pedicle screws?. Spine. 2013 Oct 1;38(21):1842-7.

Drs. Alvarez/
Beauchamp/
Black

- Maurer JD, Ward V, Mayson TA, Davies KR, Alvarez CM, Beauchamp RD, Black AH. A kinematic description of dynamic midfoot break in children using a multi-segment foot model. Gait Posture. 2013 Jun;38(2):287-292.

Dr. Miyanji

- Hwang SW, Samdani AF, Marks M, Bastrom T, Garg H, Lonner B, Bennett JT, Pahys J, Shah S, Miyanji F, Shufflebarger H, Newton P, Betz R. Five-year clinical and radiographic outcomes using pedicle screw only constructs in the treatment of adolescent idiopathic scoliosis. Eur Spine J. 2013 Jun;22(6):1292-9.

Dr. Mulpuri

- Fisher CG, Vaccaro AR, Whang PG, Patel AA, Thomas KC, Mulpuri K, Angevine PD, Prasad SK. Evidence-based recommendations for spine surgeries. Spine (Phila Pa 1976). 2013;38(1):E30-E37.

Dr. Mulpuri

- Slobogean GP, Dielwart C, Johal HS, Shantz JA, Mulpuri K, Levelso F. Levels of evidence at the Orthopaedic Trauma Association annual meetings. J Orthop Trauma. 2013;27(9):e208-12.

Dr. Mulpuri

- Vaccaro AR, Fisher CG, Patel AA, Prasad AA, Chi J, Mulpuri K, Thomas KC, Whang PG. Evidence-based recommendations for spine surgery. Spine. 2013;38(15):E970-8.

Dr. Mulpuri

- Warghese RA, Dhawale AA, Zavaglia BC, Slobogean BL, Mulpuri K. Citation classics in pediatric orthopaedics. J Pediatr Orthop. 2013;33(6):667-71.

Dr. Miyanji

- Miyanji F, Samdani AF, Ghag A, Marks M, Newton PO. Minimally Invasive Surgery for AIS: An Early Prospective Comparison with Standard Open Posterior Surgery, J Spine. 2013;2(4):S5-001.



Grant Funding Received: \$

Dr. Reilly	Granting Agency: BCCH Foundation Circle of Care Subject: Pediatric Orthopaedic Research Support COMP: C \$20,000 Per year 2013- 2014
Dr. Brauer	Granting Agency: Bone & Joint Health Research Eagles' Pediatric Spine Research Subject: Quality Indicators in Scoliosis: A Scoping Review and Meeting of Experts Co-Investigator(s): Reilly C COMP: C \$24,215 Per year 2013
Dr. Pirani	Granting Agency: CIDA Subject: Sustainable Clubfoot Care in Bangladesh COMP: C \$4,320,160 Per year Co-Investigator(s): Mathias R 2012-2013
Dr. Black	Granting Agency: BCCH Telethon Subject: Gait and Plantar Pressure Outcomes of Children with Clubfoot Treated with Botulinum Toxin-A COMP: C \$29,390 Per year Co-Investigator(s): Maurer J, Davies K, Mayson T, Ward V, Beauchamp R, Alvarez C 2013-2014
Dr. Black	Granting Agency: BCCH – Sunny Hill Foundation Subject: Innovation of seat cushion fabrication using 3D scanning and computerized milling COMP: NC \$30,000 Per year Co-Investigator(s): Maurer J, Cooper D, Schmid I 2013
Dr. McKay	Granting Agency: Canadian Institutes of Health Research Subject: An investigation into risk-taking behavior, bone microstructure and fracture between the sexes: What underpins fracture in boys compared to girls during growth? COMP: C \$595,133 Per year Co-Investigator(s): Boyd SK, Burrows M, Li LC, Macdonald HM, Khan K, Mulpuri K 2009-2013
Dr. Mulpuri	Granting Agency: BCCH Foundation Telethon Grant Subject: A clinical prediction model for growth arrest in pediatric physeal fractures Co-Investigator(s): Reilly C, Miyanji F COMP: NC \$28,056 Per year 2011-2013
Dr. D'Entremont	Granting Agency: Rare Disease Foundation Subject: Weight-bearing MRI for evaluation of osteochondritis dissecans: a pilot study Co-Investigator(s): Larouche P, Reilly C, Mulpuri K COMP: C \$3,500 Per year 2013-2014

Dr. D'Entremont	Granting Agency: Rare Disease Foundation Subject: Effect of femoral epiphysis position and pin location on impingement in SCFE: a geometrical modeling study Co-Investigator(s): Cooper A, Mulpuri K COMP: C \$3,500 Per year 2013-2014
Dr. Narayanan	Granting Agency: CIHR Subject: Functional outcomes following orthopaedic surgery based on gait laboratory results versus observational gait analysis in ambulatory children in cerebral palsy: A multi-center randomized control trial Co-Investigator(s): Alvarez C COMP: C \$31,463.30 Per year 2009-2013
Dr. Alvarez	Granting Agency: UBC OREF Subject: Plantar pressure distribution of children with clubfoot treated with manipulations, casting and botox COMP: C \$40,350 Per year 2013
Dr. Alvarez	Granting Agency: Jack and Doris Brown Foundation Subject: Maintenance of HME Program COMP: C \$25,000 Per year Dec 2013





Teaching:



Fellows Supervised	<ul style="list-style-type: none"> • Dr. Anwar Ali, Clinical Fellow (August 2012-April 2013) • Dr. Amardeep Singh, Clinical Fellow (July 2012-Present) • Dr. Ahmed Al-Turkistany, Clinical Fellow (October 2012-June 2013) • Dr. Parham Rasoulinejad, Clinical Fellow (August 2013-December 2013) • Dr. Patricia Larouche, Clinical Fellow (August 2013-Present) • Dr. Anthony Cooper, Clinical Fellow (August 2013-Present) • Dr. David Bade, Clinical Fellow (August 2013-Present) • Dr. Siddesh Doddabasappa, Clinical Fellow (January 2014-Present)
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Other	<ul style="list-style-type: none"> • Dr. Melissa Chan, Pediatric Emergency Medicine Fellow • Dr. Genevieve Ernst, Pediatric Emergency Medicine Fellow
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Residents Supervised

UBC Orthopaedic Residency Program:

- Cassandra Lane Dielwart
- Andrea Simmonds
- Kristen Taunton
- Luke Soswa
- Jason Strelzow
- Lauren Roberts
- Lise Leveille
- Christopher Kong
- Jacqueline Ngai
- Hooman Sadr
- Jeffrey Potter
- Brett Kilb
- Marie-Eve Pelletier
- Chad Johnson

Other	<ul style="list-style-type: none"> • Dr. Victoria Bonn, UBC Peds Rehab Resident • Dr. Kim Wapse, UBC Peds Rehab Resident • Dr. Ross Davidson, UBC Peds Rehab Resident • Dr. Pernille Faaborg-Anderson, UBC Peds Resident, PGY 4 • Dr. Kate Buckley, UBC Peds Resident, PGY 4 • Dr. Joel Phillips, PGY 3, Ortho Resident, University of Western Ontario • Dr. Ashlee Dobbe, PGY 3, Ortho Resident, University of Alberta
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Students

- 3rd Year Medical Students – 1 student
- 4th Year Medical Students – 22 students – 12 students (*preceptor: Dr. Mulpuri*)
- Michael Thejomayan, UBC BSc Student, May 2011 to Present
- Jacqueline Eng, UBC Co-Op Student, September 2013-May 2, 2014
- Liam Matthews, McGill University Undergraduate Science – directed students, July 2013-Present
- Stacey Miller, Master of Physical Therapy, 2011-ongoing (Co-supervisor: Dr. Mulpuri)
- Amir Khoshbin, MSc, Orthopaedic Surgeon Scientist, December 2013

Committee Participation:



Dr. Reilly	<ul style="list-style-type: none"> • Child and Family Research Institute, Member • Centre for Hip Health, Member • Royal College Subspecialty Committee, Member • Orthopaedic Re-design Committee, BCCH, Member • Department of Paediatric Orthopaedic Surgery, BCCH, Dept. Head • Surgical Cabinet Meeting, Member • Surgical Services Advisory Committee (SSAC), Member • The Department of Pediatric Surgery Surgical Cabinet, Member • Orthopaedic Faculty Advisory Committee, University of British Columbia Member • Orthopaedic Academic Council, University of British Columbia, Member • Merit & PSA Committee, UBC Department of Orthopaedics, Member • Spina Bifida Clinic, BCCH, Consultant • Muscular Diseases Clinic, BCCH, Consultant • Pediatric Orthopaedic Society of North America, Board – Member at Large • Pediatric Orthopaedic Society of North America Association of Surgical Educators, Member • American Academy of Orthopaedic Surgeons, Member • Canadian Orthopaedic Association, Member • Scoliosis Research Society, Member
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Dr. Reilly	<ul style="list-style-type: none"> British Columbia Medical Association, Member Canadian Medical Association, Member British Columbia Orthopaedic Association, Member Journal of Pediatric Orthopaedics, Pediatric Society of North America, Reviewer
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Dr. Beauchamp	<ul style="list-style-type: none"> Shriner's Gait Lab, Sunny Hill Health Centre, Medical Director (BCCH) Osteoporosis Group, BCCH, Member Quality of Care Surgical/Neurology, BCCH, Member Promotions Committee, UBC Orthopaedics, Member BCIT Program Advisory Committee, and Prosthetic & Orthotics Program, Member Regional Hospital, Outreach Kootenay Lake, Consultant British Columbia Medical Association, Member British Columbia College of Physicians and Surgeons of Canada, Member Association of Children's Prosthesis & Orthotic Clinics (ACPOC), Member Canadian Medical Association, Member Canadian Orthopaedic Association, Member Pediatric Orthopaedic Society of North America, Member Advisory Panel, Running Room of Canada, Member CP Association of Canada, Sports Classifier, Member Gait and Clinical Motion Analysis Society, Member American Academy of Cerebral Palsy and Development Medicine, Member VANOC, Member Spasticity Advisory Committee, Allergan Canada, Member Clinical Journal of Sports Medicine, Reviewer Running Room, Canada, Instructor
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Dr. Brown	<ul style="list-style-type: none"> Established only Canadian Center for Fitbone Surgery 2010, Member American Academy of Orthopaedic Surgeons, Member British Columbia Medical Association, Member Association of Bone and Joint Surgeons, Member Canadian Medical Association, Member Canadian Sarcoma Group, Member Children's Oncology Group – Bone Tumor Steering Committee, Soft Tissue Sarcoma Steering Committee, Member Limb Lengthening and Reconstructive Society ASAMI North America, Member Musculoskeletal Tumor Society, Member Orthopaedic Research Society, Member Pediatric Orthopaedic Society of North America, Member Canadian joint Replacement Registry, Provincial Representative American Academy of Orthopaedic Surgeons Outcomes Committee, Member POSNA Outcomes Sub-Committee/AAOS Pediatrics Instrument Work Group, Pediatric Orthopaedic Society of North America, Member Epidemiology and Outcomes Committee, Canadian Orthopaedic Association, Member Site Specific Advisory Group, Canadian Committee on Cancer Staging, Member Journal of Bone and Joint Surgery, Reviewer Clinical Orthopaedics and Related Research, Reviewer Pediatric Blood and Cancer Journal, Reviewer Canadian Journal of Surgery, Reviewer Grant Review Committee Fond de la Recherche en Sante du Quebec BC Cancer Agency, Consultant
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Dr. Alvarez	<ul style="list-style-type: none">• Child and Family Health Research Institute, Senior Associate, Clinical Scientist• Sunny Hill Gait Lab, Medical Co-Director• Trauma Division Committee, Division of Paediatric Orthopaedics, UBC• Appointment, Reappointment, Promotion, Tenure (ARPT) Committee, UBC Department of Orthopaedics, Member• Multiple Hereditary Exostoses (MHE) Scientific Advisory Board, Member• Pharmaceutical Services Division (PDS), UBC, Reviewer• Anatomy Working Group, Canadian Botulinum Toxin Conference (CBTC), Member• Steering Committee, Canadian Botulinum Toxin Conference (CBTC), Member• Examination Panel, Royal College of Physicians and Surgeons of Canada, Orthopaedic Surgery• Examination Board 2008-2012, Member• Canadian Medical Association, Member• Canadian Orthopaedic Association, Member• Pediatric Orthopaedic Society of North America, Member• BC College of Physicians and Surgeons, Member• Society of Specialists, Member• BC Orthopaedic Association, Member• BC Medical Association, member• Journal of Clinical Genetics, Reviewer• Journal of Pediatric Orthopaedics, Reviewer• Canadian Journal of Surgery, Reviewer• Clinical Orthopaedics and Related Research, Reviewer• Archives of Medical Research, Reviewer• Prenatal Diagnosis, Reviewer
Dr. Mulpuri	<ul style="list-style-type: none">• Centre for Hip Health, Member• Evidence Based Medicine Committee, Pediatric Orthopaedic Society of North America, Chair• President's Subspecialty Advisory Council, Canadian Orthopaedic Association, Member• Pediatric Orthopaedics Sub-Specialty, Canadian Orthopaedic Association, Program Committee & Chair• Pediatric Orthopaedic Society of North America Clinical Trials Committee, Chair• Canadian Paediatric Orthopaedic Research Group, Organizer• Innovative Acute Care and Technologies Cluster (iACT) Steering Committee, Child and Family Research Institute, BCCH Representative• Research Committee on Child Restraint Seat Safety, Member• International Hip Dysplasia Institute, Medical Advisory Committee, Research Director• American Academy of Orthopaedic Association Society on Developmental Hip Dysplasia, Committee Chair• American Academy of Orthopaedic Surgeons – DDH Clinical Practice Group, Chair• American Academy of Orthopaedic Surgeons – pediatric Supracondylar Humerus Fractures, Member – Appropriate Use Criteria• UBC Tenure and Promotions Committee, Department of Orthopaedics, Member• UBC Clinical Ethics Research Board, Member• Karnataka Medical Council, Member• Karnataka Orthopaedic Association, Member• Indian Orthopaedic Association, Member• Paediatric Orthopaedic Society of India, Member



Dr. Mulpuri

- Asia Pacific Orthopaedic Association, Member
- British Columbia Medical Association, Member
- Canadian Medical Association, Member
- Pediatric Orthopaedic Society of North America, Member
- Western Society for Pediatric Research, Member
- Journal of Pediatrics, Reviewer
- Journal of Spine, Reviewer
- Journal of Clinical Epidemiology, Reviewer
- Western Society for Pediatric Research, Regional Meeting, Reviewer
- Canadian Institutes of Health Research, Reviewer
- Journal of Pediatrics, Reviewer
- Journal of Children's Orthopaedics, Reviewer
- Journal of Orthopaedic Surgery, Reviewer
- Journal of Pediatric Orthopaedics, Part B, Reviewer
- Research Committee on Child Restraint Safety, Member
- Child and Family Research Institute Innovations in Acute Care & Technology Cluster, Cluster Representative
- Medical Staff Association, BC Children's Hospital Redevelopment Committee
- Medical Staff Relocation Committee

Dr. Miyanji

- British Columbia Medical Association, Member
- Canadian Orthopaedic Association, Member
- Pediatric Orthopaedic Society of North America, Canadian Member
- Pediatric Orthopaedic Society of North America, Lead Spine Panel Research Committee, Member
- Canadian Spine Society, Member
- Canadian Paediatric Spinal Deformity Study Group, Member
- American Academy of Orthopaedic Surgeons Resident/Fellow, Member
- Harms Study Group, Core Member
- Scoliosis Research Society, Candidate member
- Collaborative Spine Research Forum Advisory, Council Member
- Resident Program Committee, UBC Department of Orthopaedics, Member

Dr. Pirani

- College of Physicians & Surgeons of BC, Member
- British Columbia Medical Association, Member
- Canadian Orthopaedic Association, Member
- Canadian Paediatric Orthopaedic Group, Member
- American Board of Orthopaedic Surgery, Member
- American Academy of Orthopaedic Surgeons, Member
- Royal College of Physicians & Surgeons of Canada, Member
- ASAMI – North America (The Limb Lengthening and Reconstructive Society), Member
- The American Orthopaedic Foot and Ankle Society, Member
- Ponseti International Association for the Treatment of Clubfoot, Medical Director
- Pediatric Orthopaedic Society of North America, Member
- Pediatric Orthopaedic Society of North America, Children's Orthopaedics in Underdeveloped Regions (COUR) Committee, Member
- Ponseti International Association for the Treatment of Clubfoot, Chair Medical Advisory Board
- Avicenna Physicians Society, Member
- The International Clubfoot Study Group, Member
- The Rotary Club of Burnaby, Member

Dr. Black

- Gait and clinical Motion Analysis Society, Member





Projects and Initiatives in Progress:

Dr. Reilly:

Work In Progress:
Completed Projects with Manuscripts in Progress

- **Reilly C, Mulpuri K, Choit RL.** Trans-Physal Anterior Cruciate Ligament Reconstruction in Skeletally Immature Patients.
- **Mulpuri K, Reilly C, Tredwell SJ.** Management of displaced supracondylar fractures of the humerus using lateral versus crossed K-wires: A prospective randomized clinical trial. *Recruitment in progress.*
- **Reilly C, Ansermino M, Mulpuri K, Purdy FR, Tredwell SJ.** The effect of femoral nerve block on opioid requirements following anterior cruciate ligament reconstruction in the paediatric population: A double blind, prospective, randomized controlled trial. *Recruitment in progress.*
- **Mulpuri K, Ansermino M, Montgomery C, Purdy R, Lehman W, Reilly C, Tredwell SJ.** The effect of femoral nerve block on morphine requirements following intramedullary nailing of femoral fractures in paediatric patients. *Recruitment in progress.*
- **Mulpuri K, Jain R, Dyke L, Varghese R, Miyanji F, Reilly C.** Taping vs. splinting vs. above elbow casting for Type I supracondylar fractures of the humerus in children: A randomized controlled trial. *Recruitment in progress.*
- **Mulpuri K, Bellows DB, Valentine N, Reilly C.** The long-term clinical and functional outcomes of children with congenital muscular torticollis following conservative treatment. *Recruitment in progress.*

Dr. Reilly:

- **Mulpuri K, Miyanji F, Reilly C.** A clinical prediction model for growth arrest in pediatric physal fractures. *Recruitment in progress.*
- **Miyanji F, Reilly C, Mulpuri K.** The use of Dermabond vs. standard staple for wound closure in children with neuromuscular scoliosis undergoing spinal deformity correction surgery: A phase II study. *Recruitment in progress.*
- **Miyanji F, Mulpuri K, Saravanja D, Newton PO, Reilly C.** C1 lateral mass screw fixation in children: Indications, outcomes, and technique in 11 consecutive patients. *Manuscript in progress.*
- **Miyanji F, Slobogean G, Samdani A, Betz R, Reilly C, Slobogean BL, Newton P.** Larger Curve Magnitude is associated with Increased Peri-operative healthcare Resource Utilization: A Multi-centre Analysis of 422 Adolescent Idiopathic Scoliosis Curve. *Manuscript in progress.*
- **Reilly C, Mulpuri K, Miyanji F.** Internet-administered adolescent scoliosis questionnaires compared with traditional pencil and paper versions: a randomized crossover design. Data collection in progress.
- **Bracing in Adolescent Idiopathic Scoliosis II.** Observational follow-up of BrAIST 1 cohort (BrAIST II). *Recruitment in process.*





Dr. Beauchamp:

- Book Chapter – Gait (in process)
- Research: Long term F/U ITW; Mid-foot Break; Hemiplegic Gait

Dr. Alvarez:

Work Submitted

- Howren A, Jamieson D, **Alvarez C.** Ultrasonographic Evaluation of Idiopathic Clubfeet Treated with Manipulations, Casts, and Botox[®], A Double-Blind Randomized Control Trial. Journal of Pediatric Orthopaedics. Submitted September 9, 2013 (*provisionally accepted*).

Work in Progress

Clubfoot:

- Case Report: Peroneal Nerve palsy In Clubfoot Population (data collected and preparing manuscript).
- A double-Blind, Randomized Control Trial Comparing Botulinum A Toxin and Placebo in the Treatment of Idiopathic Clubfoot (multi-centre trial) started in 2006, finished data collection February 2011 (waiting for second site to finish data collection).
- Genetic Studies of Clubfoot (CTEV) is a collaborative project with University of Houston Texas to explore the genetic causes of clubfoot which is in progress since 2005 (ongoing data collection).

Hereditary Multiple Exostoses:

- Genotype-Phenotype – Quality of Life correlation in HME (data collection finished, statistical analysis done, manuscript preparation underway).
- Disease specific questionnaire for Hereditary Multiple Exostoses (ongoing data collection).
- The First Clinical Instance of Hereditary Multiple Exostoses in Families (manuscript preparation underway).
- The influence of gender on the anatomic burden of hereditary Multiple Exostoses (manuscript preparation underway).
- Development of an HME orthopaedic severity score.

Work in Progress **Gait:**

- Pedobarographic profile of clubfoot patients (data collection complete, analysis and manuscript preparation underway).
- Gait analysis of clubfoot patients (ongoing data collection).
- Crouch Gait in children with Cerebral Palsy (ongoing data collection).

Dr. Mulpuri:

Work in Progress

- Mulpuri K. The natural history of Perthes' disease in British Columbia. Manuscript in progress- to be submitted to Clinical Orthopaedics and Related Research for their symposium on Perthes' Disease.
- Varghese RA, Dhawale AA, Zavaglia BC, Slobogean BL, Mulpuri K. Citation classics in pediatric orthopaedics. Manuscript in progress.
- Dhawale AA, Lescheid J, Slobogean BL, Mulpuri K. The quality of information found on the internet for pediatric orthopaedic hip disorders. Data analysis in progress.
- Mulpuri K. Do surgical wait times affect surgical treatment and peri-operative management of patients with cerebral palsy and subluxated or dislocated hips: The surgeon's perspective. Manuscript in progress.
- McKay HA, Boyd S, Mulpuri K, Naylor PJ, Khan K, Li L, Rhodes R, Macdonald H. An investigation into risk taking behaviour, bone microstructure, and fracture between the sexes: What underpins fracture in boys compared to girls during growth? Recruitment in progress.
- Mulpuri K, Miller SD. Health related quality of life in children with cerebral palsy undergoing surgery for dislocating hips. Recruitment in progress.
- Slobogean BL, Mulpuri K. Investigating the potential role for a physician assistant in a pediatric orthopaedic trauma clinic. Data collection in progress.
- Mulpuri K, Davidson D. Validation and reliability testing of the Western Ontario and McMaster Osteoarthritis Scale (WOMAC) hip score in children and adolescents with Perthes' disease. Recruitment in progress.



Dr. Mulpuri:

- Mulpuri K, Reilly C, Tredwell SJ. Management of displaced supracondylar fractures of the humerus using lateral versus crossed K wires: A prospective randomized clinical trial. Recruitment in progress.
- Reilly C, Ansermino M, Mulpuri K, Purdy FR, Tredwell SJ. The effect of femoral nerve block on opioid requirements following anterior cruciate ligament reconstruction in the paediatric population: A double blind, prospective, randomized controlled trial. Data analysis in progress.
- Mulpuri K, Ansermino M, Montgomery C, Purdy R, Lehman W, Reilly C, Tredwell SJ. The effect of femoral nerve block on morphine requirements following intramedullary nailing of femoral fractures in paediatric patients. Data analysis in progress.
- Varghese R, Slobogean GP, Slobogean BL, Mulpuri K. Inter and intra-observer reliability of classification systems in Perthes' Disease. Data collection in progress.
- Mulpuri K, Jain R, Dyke L, Varghese R, Miyanji F, Reilly C. Taping vs. splinting vs. above elbow casting for Type I supracondylar fractures of the humerus in children: A randomized controlled trial. Recruitment in progress.
- Mulpuri K, Bellows DB, Valentine N, Reilly C. The long-term clinical and functional outcomes of children with congenital muscular torticollis following conservative treatment. Recruitment in progress.
- Mulpuri K, Miyanji F, Reilly C. A clinical prediction model for growth arrest in pediatric physeal fractures. Recruitment in progress.
- Mulpuri K, Cashin MS. Outcome analysis of comminuted vs. non-comminuted paediatric femur fractures treated with elastic intramedullary nail fixation. Protocol development.
- Pedobarographic profile of clubfoot patients (data collection complete, analysis and manuscript preparation underway).
- Gait analysis of clubfoot patients (ongoing data collection).
- Crouch Gait in children with Cerebral Palsy (ongoing data collection).

Dr. Mulpuri:

- Mulpuri K, Dodwell E, Slobogean BL, Wilson D. dGEMRIC and Perthes' Disease. Protocol development.
- Mulpuri K, Hosalkar H, Matheney T, Kelley S, Castaneda P, Foster B, Clarke N, Price C. Prospective Observational Cohort Study of Children with Hips Dislocated at Rest. Recruitment in progress.
- Mulpuri K, Leveille L, Miller S. Long-term radiographic and Clinical Outcomes of Surgical Hip Interventions in Children with Cerebral Palsy. Recruitment in progress.
- Mulpuri K, Beauchamp R, Alvarez C. Functional Outcomes Following Orthopaedic Surgery Based on Gait Laboratory versus Observational Gait Analysis in Ambulatory Children with Cerebral Palsy: A Multi-centre Pilot Randomized Control Trial. Recruitment in progress.
- Mulpuri K. The Journal Impact Factor: Clinically relevant? A Pilot Study. Data collection in progress.
- Mulpuri K, Reilly C. Quality of Referrals sent to Pediatric Orthopedic Clinics. Data collection in progress.
- Reilly C, Mulpuri K, Miyanji F. Internet-administered adolescent scoliosis questionnaires compared with traditional pencil and paper versions: a randomized crossover design. Data collection in progress.
- Mulpuri K, Hosalkar H, Matheney T, Kelley S, Castaneda P, Foster B, Clarke N, Price C, the IHDI Study Group. Prospective Observational Cohort Study of Children with Hips Dislocated at Rest. Data collection in progress.

Dr. Miyanji:

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| Work Submitted | <ul style="list-style-type: none"> • Miyanji F, Mahar A, Oka R, Pring M, Wenger DR. "Biomechanical Comparison of Fully versus Partially Threaded Cancellous Screws for the Treatment of Slipped Capital Epiphysis". Submitted: Journal of Pediatric Orthopaedics. • Miyanji F, Samdani A, Ghag A, Marks M, Newton P. "Minimally invasive surgery for AIS: an early prospective comparison with standard open posterior surgery". Submitted: Journal of Spine. |
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Work in Progress

- Mulpuri K, Jain R, Dyke L, Varghese R, Miyanji F, Reilly C. Taping vs. splinting vs. above elbow casting for Type I supracondylar fractures of the humerus in children: A randomized controlled trial. Recruitment in progress.
- Mulpuri K, Miyanji F, Reilly C. A clinical prediction model for growth arrest in pediatric physeal fractures. Recruitment in progress.
- Miyanji F, Mahar A, Oka R, Newton PO. Cervical spine instrumentation: An alternative to lateral mass screws.
- Miyanji F, Govender P, Lewis SJ. Anterior column reconstruction in the treatment of metastatic lesions of the upper spinal surgery.
- Miyanji F, Lewis SJ. Complications following the use of bioglu surgical adhesive as an adjunct to dural repair in spinal surgery.
- Harms Study Group. Prospective study on the surgical treatment of Adolescent Idiopathic Scoliosis – Scoliosis outcomes database registry.
- Harms Study Group. Prospective study of non-operative Adolescent Idiopathic Scoliosis patients.
- Harms Study Group. Prospective study of Scheurmann's kyphosis.
- Harms Study Group. Prospective study of motion preservation of the thoracic spine in Adolescent idiopathic Scoliosis.
- Harms Study Group. Prospective study of cerebral palsy scoliosis.
- Miyanji F, Mulpuri K, Saravanja D, Newton PO, Reilly C. C1 lateral mass screw fixation in children: Indications, outcomes, and technique in 11 consecutive patients. Manuscript in progress.
- Miyanji F, Slobogean G, Samdani A, Betz R, Reilly C, Slobogean BL, Newton P. Larger Curve Magnitude is associated with Increased Peri-operative healthcare Resource Utilization: A Multi-centre Analysis of 422 Adolescent Idiopathic Scoliosis Curve. Manuscript in progress.
- Miyanji F, Reilly C, Mulpuri K. The use of Dermabond vs. standard staple for wound closure in children with neuromuscular scoliosis undergoing spinal deformity correction surgery: A phase II study. Recruitment in progress.

- An investigation into risk taking behavior, bone microstructure and fracture between the sexes: What underpins fracture in boys compared to girls during growth? Recruitment in progress.
- Miyanji F, Reilly C, Mulpuri K, Poskitt K. Diffusion MRI as a prognostic tool for growth arrest: A pilot study. Recruitment in progress.
- Miyanji F, Mistry D, Bastrom T, Nitikman M, Samdani R, Betz H, Shuffelbarger H, Newton P. The relationship between shoulder imbalance and Lenke 1 curve characteristics in AIS.
- Reilly C, Mulpuri K, Miyanji F. Internet-administered adolescent scoliosis questionnaires compared with traditional pencil and paper versions: a randomized crossover design. Data collection in progress.
- Bracing in Adolescent Idiopathic Scoliosis II. Observational follow-up of BrAIST 1 cohort (BrAIST II). Recruitment in process.

Dr. Pirani:

Work in Progress

- Uganda Sustainable Clubfoot Care Project – Final report in progress.
- Sustainable Clubfoot Care in Bangladesh – Project Implementation Plan in progress.
- The Radiographic Definition of Flat-Top Talus – Analysis of results in progress.
- Skeletal Development in Clubfoot Treatment – analysis of results in progress.
- Evidence based guidelines for the management of clubfoot – Systematic review in progress.

Dr. Black:

- Industry – “Motion Capture for Animation” Taught for Vancouver Film School, 2005-Present



Faculty Members:

- Dr. Frederick K. Kozak, Division Head
- Dr. Neil K. Chadha
- Dr. Jane Lea
- Dr. Jeffrey P. Ludemann
- Dr. J. Paul Moxham

Staff Members:

- Ms. Patsy Regan, Pediatric Otolaryngology Clinical Nurse
- Ms. Michele Freeman, MOA to Dr. Kozak and Dr. Lea
- Ms. Nancy Davies, MOA to Drs. Ludemann & Moxham
- Ms. Michele Poulsen, MOA to Drs. Ludemann & Moxham
- Ms. Karla Smith, MOA to Dr. Chadha



Academic Activities:

Presentations:



Dr. Chadha

- Chadha NK. Advances in Pediatric Endonasal Surgery. Pediatric Otolaryngology Education Forum. 2013 Sep.
- Lin J, Naidoo L, Burton MA, Chadha NK. Local anesthesia for tonsillectomy. American Academy of Otolaryngology-Head and Neck Surgery Annual Meeting. 2013 Sep.
- Saxby A, Chadha NK, Kozak FK, Lea J. Prevalence of pediatric superior semi-circular canal dehiscence. Canadian Society of Otolaryngology-Head and Neck Surgery Annual Meeting, 2013 May.
- Chadha NK, Lam GO, Ludemann JP, Kozak FK. RCT of nasal preparation for nasendoscopy in children. American Society of Pediatric Otolaryngology Annual Meeting. 2013 Apr.

Dr. Kozak

- Vancouver Coastal Health Audiology Event ~ History of Deafness and Pediatric Ossiculoplasty, 2014 Mar.
- Advances in Pediatrics - Out of the Mouths of Babes & Hearing Loss. Department of Pediatrics, UBC. 2014 Mar.
- CanMEDS Academic Half Day Sessions. Vancouver, BC. 2013 Sep, Oct, Nov.
- Saxby A, Chadha NK, Kozak FK, Lea J. Prevalence of pediatric superior semi-circular canal dehiscence. Canadian Society of Otolaryngology-Head and Neck Surgery Annual Meeting. Banff. 2013 May.

Dr. Lea

- BPPV. BC Balance and Dizziness Disorders Society Meeting (Patient Support Group). 2014 Apr.
- Getting started with Endoscopic Ear Surgery. 4th North American Endoscopic Ear Surgery Course. 2014 Apr.
- Vertigo, SSNHL. UofT Otolaryngology Update. 2014 Feb. Invited speaker.



Dr. Lea

- Meniere's, BPPV. UofT Dizziness Update. 2014 Feb. Invited Speaker.
- Approach to Vertigo and BPPV. St. Paul's Hot Tips in Otolaryngology Course. 2013 Nov. Invited Speaker.
- Peripheral Vertigo. UBC Neurology Grand Rounds (Invited Faculty). 2013 Nov.
- Surgical Approaches to hearing loss. Better Hearing Expo. General public attendance. 2013 Oct.
- Bhimrao SK, Maguire J, Garnis C, Lea J, Akagami R, Westerberg BD. Lack of association between Human Herpes Virus (HHV) and Vestibular Schwannoma: Analysis of 121 cases. American Academy of Otolaryngology – Head & Neck Surgery. Podium presentation. 2013 Sep.
- Ossicular Chain Reconstruction. UBC Current techniques in temporal bone surgery. 2013 Sep. Invited Speaker.
- Stapedotomy. UBC Current techniques in temporal bone surgery. 2013 Sep. Invited Speaker.
- Chang BA, Cheung VWF, Lea J. An unusual case of stridor: Airway Obstruction from a Nasogastric Tube Knot in a 1 month old Infant. 67th Annual meeting of The Canadian Society of Otolaryngology-Head & Neck Surgery. Poster. 2013 May.
- Endoscopic Ear Surgery. CSO satellite symposium. Sponsored by STORZ. 2013 May.

Formal Teaching:

Dr. Chadha

- UBC Medical INDE 410: Clinical Skills in Otolaryngology. 2013 May.
- Program Chair and Organizer: BC Otolaryngology Society Clinic Day. 2013 Apr.
- UBC Division of Otolaryngology Resident Lecture: Pediatric rhinological disease. 2013 Feb.

Dr. Chadha

- UBC Department of Pediatrics Resident Lecture: Pediatric voice disorders, 2013 Oct.
- UBC Division of Otolaryngology Resident Lecture: Open pediatric airway surgery. 2013 Sep.
- UBC Division of Otolaryngology Resident Lecture: Pediatric airway equipment. 2013 Sep.
- UBC Division of Otolaryngology Resident Lecture: Bone Conduction Hearing Devices. 2013 Oct.
- UBC Division of Otolaryngology Resident Lecture: Landmark Papers. 2013 Nov.
- UBC Division of Otolaryngology Resident Lecture: Pediatric Voice Disorders, 2013 Nov.

Dr. Lea

- Invited Speaker and Instructor: 4th North American Endoscopic Ear Surgery Course. 2014 Apr.
- Medical student teaching:
Year 3 Clerkship oral Exam (Otolaryngology): 2013 Oct, Dec, 2014 Mar.
Year 4 Clerkship seminar: Disorders of the Ear: 2013 Mar, 2013 May, 2013 Nov.
- Instructor: Vertigo. 2013 Nov.
- Core pediatric lectures for residents: Pediatric Dizziness & Endoscopic Airway. 2013 Oct.
- Weekly teaching: Temporal Bone Lab for PGY2-PGY5 Otolaryngology residents. 2013 Oct.
- Co-director/Instructor/Lecturer: 1st Vancouver Endoscopic Ear Course. 2013 Sep
- Instructor/Lecturer: The Annual UBC Temporal Bone Dissection Course. 2013 Sep.
- Types of hearing loss <http://www.healthchoicesfirst.com/category/ears-nose-throat/audiology-hearing/type-of-surgery-for-hearing-loss>.



Dr. Lea	<ul style="list-style-type: none"> Weekly teaching: St. Paul's Otology rounds; every Monday, (for residents and medical students; 7-8am). Web based lectures to general public: What is cholesteatoma http://www.healthchoicesfirst.com/category/ears-nose-throat/audiology-hearing/whatis-cholesteatoma. What is vertigo http://www.healthchoicesfirst.com/category/ears-nose-throat/vertigo/what-is-vertigo. What is otosclerosis http://www.healthchoicesfirst.com/category/ears-nose-throat/audiology-hearing/what-is-otosclerosis.
Dr. Ludemann	<ul style="list-style-type: none"> Foreign Bodies (Ears, Nose and Aerodigestive); Management and Prevention Strategies. 2013 Oct, UBC Otolaryngology Residents. Pediatric Tracheostomy; Chevalier Jackson & CanMEDS roles. 2013 Sep, UBC Otolaryngology Residents. Pediatric Airway-Diagnosis. Sept 2013, UBC Otolaryngology Residents.

Publications:



Dr. Chadha	<ul style="list-style-type: none"> Cheung VWF, Lam GO, Wang YF, Chadha NK. Current incidence of duplicate publications in otolaryngology. Laryngoscope. 2014 Mar;124(3):655-8.
Dr. Lea	<ul style="list-style-type: none"> Chang BA, Cheung VWF, Lea J. An unusual instance of stridor: airway obstruction from a nasogastric tube knot in a 1-month old infant. American Journal of Otolaryngology. 2014 Jan-Feb;35(1):59-61.
Dr. Kozak	<ul style="list-style-type: none"> Beers A, McBoyle M, Kakande E, Dar Santos RC, Kozak FK. Autism and peripheral hearing loss: a systematic review. Int J Pediatr Otorhinolaryngol. 2014 Jan;78(1):96-101.
Dr. Kozak	<ul style="list-style-type: none"> Pugash D, Kozak FK, Gagnon A. Virtual fetal laryngoscopy. Ultrasound Obstet Gynecol. 2014 Jan;43(1):106-7.
Drs. Chadha / Ludemann / Kozak	<ul style="list-style-type: none"> Chadha NK, Lam GO, Ludemann JP, Kozak FK. Intranasal topical local anesthetic and decongestant for flexible nasendoscopy in children: a randomized, double-blind, placebo-controlled trial. JAMA Otolaryngol Head Neck Surg. 2013 Dec;139(12):1301-5.

Dr. Kozak	<ul style="list-style-type: none"> Fandiño M, Kozak FK, Verchere C, Campbell A. Modified slide tracheoplasty in a newborn with bronchial and carinal stenosis. Int J Pediatr Otorhinolaryngol. 2013 Dec;77(12):2075-80.
Dr. Kozak	<ul style="list-style-type: none"> Chung B, Tsai K, Allan L, Zheng D, Nie J, Biggs C, Hasan M, Kozak FK, van den Elzen P, Priatel J, Tan R. Innate immune control of EBV: infected B cells by invariant natural killer T cells. Blood. 2013 Oct 10;122(15):2600-8.
Dr. Chadha	<ul style="list-style-type: none"> Hong P, Chadha NK. Tympanostomy tube care for the pediatrician. Clin Pediatr. 2013 Oct;52(10):899-909.
Dr. Chadha	<ul style="list-style-type: none"> Lui CC, Chadha NK, Bance M, Hong P. The current practice trends in pediatric bone-anchored hearing aids in Canada: a national clinical and surgical practice survey. J Otolaryngol Head Neck Surg. 2013 Jul;142:43.
Drs. Chadha / Kozak	<ul style="list-style-type: none"> Saxby A, Pace-Asciak P, Dar Santos RC, Chadha NK, Kozak FK. The rhinological manifestations of women's Health. Otolaryngol Head Neck Surg. 2013 May;148(5):717-31.
Dr. Lea	<ul style="list-style-type: none"> Goldstein DP, Bachar GY, Lea J, Shrimme MG, Patel RS, Gullane PJ, Brown DH, Gilbert RW, Kim J, Waldron J, Perez-Ordóñez B, Davis AM, Cheng L, Xu W, Irish JC. Outcomes of squamous cell cancer of the oral tongue managed at the Princess Margaret Hospital. Head & Neck. 2013 May;35(5):632-41.

Non-Refereed Publications:

Dr. Lea	<ul style="list-style-type: none"> Oh. What a spin I am in Good Times. Contributor to article on Vertigo by Wendy Haaf. http://wendyhaaf.com/wp-content/uploads/2013/11/Oh-What-A-Spin-Im-In.pdf. 2013 Sep 13.
Dr. Lea	<ul style="list-style-type: none"> LearnENT app. Author of 3 Vertigo topics: BPPV, Vestibular Neuritis & Meniere's. An app for mobile devices targeted toward medical student and junior resident level teaching.
Dr. Ludemann	<ul style="list-style-type: none"> BCCH Pediatric Tracheostomy App (Patient and Family Centered; launched summer 2013, free on the Apple AppStore). www.dontchoke.ubc.ca (launched 2013 Nov 11).



Teaching:



Residents Supervised

- Anali Dadgostar
- Andrew Remillard
- Andrew Thamboo
- Brent Chang
- Eli Akbari
- Estelle Chang
- Joshua Gurberg
- June Lin
- Kimberly Luu
- Kristelle Mee Fah Chueng
- Oleksandr (Alex) Butskiy
- Pia Pace- Asciak
- Ronak Rahmanian
- Trevor Hartl
- Veronique Wan Fook Cheung
- Warren Mullings – Visiting International Resident

Research Students Supervised

- Dr. Frederick Kozak
Lauren Ogilvie (2013 OPSEI Summer Student Program)
- Dr. Neil Chadha
Divjot Kumar, (2013 CFRI Summer Student Program)
- Dr. Jeffrey Ludemann
Jack Zheng, Shawn Zhu, Tin Jasinovic

Pediatric Otolaryngology Fellow 2013-14

- Sophie Lachance

Grant Funding Received: \$

Dr. Kozak	Granting Agency: Stella Award OPSEI Subject: Use of the KTP Laser in Otologic Surgery COMP: C \$5,000 Per year
Dr. Lea	Granting Agency: BC Balance and Dizziness Disorders Society Subject: Translational VOR Co-Investigator(s): Carpenter M, Westerberg B COMP: C \$5,000 Per year

Dr. Carpenter	Granting Agency: BC Balance and Dizziness Disorders Society Subject: Anxiety effects on vestibular function testing Co-Investigator(s): Lea J, Westerberg B COMP: C \$5,000 Per year
Dr. Lea	Granting Agency: BC Balance and Dizziness Disorders Society Subject: Translational VOR Co-Investigator(s): Carpenter M, Westerberg B COMP: C \$5,000 Per year
Dr. Chadha	Granting Agency: Subject: Improving Care for Infants with Laryngomalacia: A Pilot Randomized Controlled Trial of Omeprazole versus Placebo Co-Investigator(s): Kozak F, Israel D COMP: NC \$29,980 Per year
Dr. Chadha	Granting Agency: American Association of Orthodontics Subject: RCT: Maxillary Expansion versus Adenotonsillectomy Co-Investigator(s): Chadha N, Pliska B, Wensley D COMP: C \$25,000 Per year
Dr. Chadha	Granting Agency: iACT, CFRI Subject: Research Capacity Enhancement Grant COMP: C \$20,000 Per year





Honors & Awards:

Dr. Moxham

- UBC Otolaryngology Undergraduate Teaching Award.

Committee Participation:

Dr. Chadha

- Chair, Division of Pediatric Otolaryngology Fellowship Committee
- Member, Executive Committee, Division of Otolaryngology
- Member, Resident Training Committee, Division of Otolaryngology
- Member, Executive Committee, BC Otolaryngology Society
- Member, UBC Otolaryngology Research Committee, Division of Otolaryngology
- Member, International Task-Force for Recurrent Respiratory Papillomatosis
- Organized Pediatric Otolaryngology Resident Education Program & Examination, September to December 2013, weekly half-day sessions
- Program Chair and Organizer, BC Otolaryngology Society Spring Meeting Day (Provincial meeting for Otolaryngologists)
- Program Chair and Organizer, Pediatric Otolaryngology Education Forum (National meeting for North American Otolaryngology Residents)

Dr. Kozak

- Department of Pediatric Surgery Surgical Cabinet, BCCH
- Co-Chair, Medical Advisory Group, B.C. Early Hearing Program
- Council, Canadian Society of Otolaryngology Head and Neck Surgery
- CSC Negotiating Committee
- Executive Committee, UBC Otolaryngology
- Scientific Chair, Canadian Society of Otolaryngology Head and Neck Surgery Annual Meeting
- Surgical Services Advisory Committee, BCCH

Dr. Ludemann

- BCCH Parent Advisory Committee

Dr. Lea

- Advisory Committee Member, BC Balance and Dizziness Disorders Society
- Cochlear Implant committee member, BC Children's Hospital
- Coordinator/Instructor, Weekly temporal bone drilling sessions for PGY2-5 Otolaryngology residents
- Fellow member status, Specialist Services Committee Member, BCMA
- Humanitarian Committee Member, Canadian Society of Otolaryngology
- Inducted member, The International Working Group of Endoscopic Ear Surgery
- Member, International Working Group on Endoscopic Ear Surgery
- Moderator of Vestibular papers section, Canadian Society of Otolaryngology Annual Meeting
- National In-training Examination (Otolaryngology) Examination Board Member, Creation of Otology/Neurotology exam section questions and marking of all PGY3 national exams
- Otology/Neurotology working group member, Canadian Society of Otolaryngology
- Peer Reviewer, Otology/Neurotology Papers, Canadian Journal of Otolaryngology
- Scientific Committee member, Canadian Society of Otolaryngology, Head & Neck, Otology/Neurotology





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| Dr. Moxham | <ul style="list-style-type: none">• American Society of Pediatric Otolaryngology Membership Committee• Laser Safety Committee |
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Journal Reviewer:

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| Dr. Chadha | <ul style="list-style-type: none">• Archives in Otolaryngology - Head and Neck Surgery• British Medical Journal• Clinical Otolaryngology• International Journal of Pediatric Otolaryngology• Laryngoscope |
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| Dr. Kozak | <ul style="list-style-type: none">• Archives of Otolaryngology• BMC Ear, Nose and Throat Disorders• International Journal of Otorhinolaryngology• Journal of Otolaryngology Head and Neck Surgery (Canadian)• Otolaryngology Head and Neck Surgery (United States)• Rural and Remote Health |
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| Dr. Lea | <ul style="list-style-type: none">• International Journal of Pediatric Otolaryngology• Journal of Otolaryngology Head & Neck Surgery (Canadian)• Lancet Neurology• Laryngoscope• Otology/Neurotology |
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| Dr. Moxham | <ul style="list-style-type: none">• International Journal of Pediatric Otolaryngology• Journal of Otolaryngology-Head & Neck Surgery• Laryngoscope |
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Faculty Members

- Dr. Eric M. Webber, Division Head
- Dr. Erik D. Skarsgard
- Dr. Geoffrey K. Blair
- Dr. Sonia A. Butterworth
- Dr. James J. Murphy

Staff Members:

- Ms. Lynda Fynn
- Ms. Robyn Walker
- Ms. Jill Haynes
- Ms. Susan Myhre
- Ms. Christine Adamson
- Ms. Amie Nowak



Highlights and Achievements:

Dr. Erik D. Skarsgard invited for three visiting professorships:

- Mayo Clinic, Rochester, MN: 2013 Apr 8-10.
- 2nd Annual Gordon Cameron Lectureship in Pediatric Surgery. McMaster University. Hamilton, ON: 2013 Jun 7-9.
- University of Manitoba, Winnipeg, MB: 2013 Oct 17-18.





Academic Activities:

Presentations:

Dr. Blair	<ul style="list-style-type: none"> Tricks of the Trade in Pediatric Surgery- Expert Panelist. Webinar, Broadcast through Akron, Ohio, USA. 2013 Dec 18. Surgery and Surgeons- Much Maligned and Misunderstood. CUSEC Presentation. Ottawa, ON. 2013 Nov 15. Pediatric Surgical Camps as One Model of Global Surgical Partnership: A Way Forward. CAPS Presentation. Charlottetown, PEI. 2013 Sep 27.
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Dr. Skarsgard	<ul style="list-style-type: none"> Clinical Research Networks in Pediatric Surgery: Canadian Perspectives. University of Manitoba Department of Pediatrics Grand Rounds. Winnipeg, MB. 2013 Oct 17. BCCH NSQIP: Initial Experience at the First Canadian Pediatric NSQIP Hospital. University of Manitoba Department of Surgery Grand Rounds Winnipeg, MB. 2013 Oct 16. Practice variation in gastroschisis: Factors influencing closure technique. 46th Annual Meeting of the Canadian Association of Pediatric Surgeons, podium presentation by J. Stanger-E. Skarsgard-senior author. Charlottetown, PEI. 2013 Sep 27. ACS NSQIP: Initial Experience at the First Canadian Pediatric NSQIP Hospital. 46th Annual Meeting of the Canadian Association of Pediatric Surgeons, podium presentation. Charlottetown, PEI. 2013 Sep 26. Clinical Research Networks in Surgery: The Canadian Pediatric Surgery Network (CAPSNet). The Robert M. Filler Research Symposium. Toronto, ON. 2013 Sep 12. Clinical Research Networks in Surgery: Canadian Perspectives. 2nd Annual Gordon Cameron Lectureship in Pediatric Surgery. Hamilton, ON. 2013 Jun 6.
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Dr. Skarsgard	<ul style="list-style-type: none"> BCCH NSQIP: Initial Experience at the First Canadian Pediatric NSQIP Hospital. McMaster Department of Surgery Grand Rounds. Hamilton, ON. 2013 Jun 5. Clinical Research Networks in Surgery: Canadian Perspectives. Visiting Professorship, Mayo Clinic Department of Surgery. Rochester MN. 2013 Apr 8.
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Dr. Webber	<ul style="list-style-type: none"> Webber E. Sharing stories, listening and collaborating to improve the healthcare system. National Forum on Patient Experience West. Vancouver, BC. 2014 Mar. Gorman L, Harris KA, Webber E, Taber S, Frank JR. Charting the evolution of general surgical training in Canada: Implications for a review of today's general surgical residency training. Poster Session: Research in residency education. 2013 International Conference on Residency Education (ICRE) Annual Meeting. Calgary, AB. 2013 Sep. Gorman L, Harris KA, Webber E, Taber S, Frank JR. Optimizing the training of general surgeons for the 21st century: Perspectives from the national and international surgical community. Poster Session: Research in residency education. 2013 International Conference on Residency Education (ICRE) Annual Meeting. Calgary, AB. 2013 Sep. Gorman L, Webber E, Eady K, Taber S, Frank JR, Harris KA. For the Task Force on the Future of General Surgery. Determining the optimal configuration of surgical expertise for the 21st century. 2013 Canadian Surgical Forum. Ottawa, ON. 2013 Sep.
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Lectures:

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| Dr. Blair | <ul style="list-style-type: none"> • Student seminar: Bowel Obstructions in Children. 2013 Jul 16, Nov 26. • Student seminar: cSurgical Ethics. 2013 Jul 16, Nov 26. • Student lecture: INDE 420- Pediatric GI- History and Physical Examination. 2013 Aug 29. |
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Publications:



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| Dr. Butterworth | <ul style="list-style-type: none"> • Gover A, Albersheim S, Sherlock R, Claydon J, Butterworth S, Kuzeljevic B; Canadian Pediatric Surgery Network. Outcome of patients with gastroschisis managed with and without multidisciplinary teams in Canada. Paediatr Child Health. 2014 Mar;19(3):128-32. |
| Dr. Skarsgard | <ul style="list-style-type: none"> • Segal I, Kang C, Albersheim SG, Skarsgard ED, Lavoie, PM. Surgical site infections in infants admitted to the neonatal intensive care unit. J Pediatr Surg. 2014 Mar;49(3):381-4. |
| Dr. Webber | <ul style="list-style-type: none"> • Ma V, Webber E, Crowell P. Environmental scan of bereavement services at North American pediatric and maternity hospitals: a quality assurance study. J Investig Med. 2014;62(1):228. |
| Dr. Skarsgard | <ul style="list-style-type: none"> • Alshehri A, Emil S, Laberge JM, Skarsgard ED, Canadian Pediatric Surgery Network. Outcomes of early versus late intestinal operations in patients with Gastroschisis and Intestinal Atresia: Results from a national database. J Pediatr Surg. 2013 Oct;48(10):2022-6. |
| Dr. Webber | <ul style="list-style-type: none"> • Webber E, McAlister VC, Gorman L, Taber S, Harris KA. The past and future of the generalist general surgeon. Can J Surg. 2014;57(1):6-7. |
| Dr. Skarsgard | <ul style="list-style-type: none"> • Langer M, Safavi A, Skarsgard ED. Management of the base of the Appendix in Pediatric Laparoscopic Appendectomy: Clip, ligate or staple? Surg Technol Int. 2013 August 23;23. |

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| Dr. Skarsgard | <ul style="list-style-type: none"> • DeGirolamo K, Courtemanche DJ, Hill WD, Skarsgard ED. Use of safety scalpels and other safety practices to reduce sharps injury in the operating room: What is the Evidence? Can J Surg. 2013 Aug;56(4):263-9. |
| Dr. Blair | <ul style="list-style-type: none"> • Galukande M, Kaggwa S, Sekimpi P, Kakaire O, Katamba A, Munabi I, Runumi FM, Mills E, Hagopian A, Blair G, Barnhart S, Luboga S. Use of surgical task shifting to scale up essential surgical services: a feasibility analysis at facility level in Uganda. BMC Health Serv Res. 2013 Aug;13:292. |
| Dr. Blair | <ul style="list-style-type: none"> • Laberge JM, Blair G. Thoracotomy for repair of esophageal atresia: not as bad as they want you to think! Dis Esophagus. 2013 May-Jun;26(4):365-71. |
| Dr. Skarsgard | <ul style="list-style-type: none"> • Aljahdali A, Mohajerani N, Skarsgard ED, Canadian Pediatric Surgery Network (CAPSNet). Effect of timing of enteral feeding on outcome in gastroschisis. J Pediatr Surg. 2013 May;48(5):971-6. |
| Dr. Skarsgard | <ul style="list-style-type: none"> • Goodwin WM, Beres A, Baird R, Laberge JM, Skarsgard ED, Puligandla PS, Canadian Pediatric Surgery Network (CAPSNet). Congenital diaphragmatic hernia (CDH) mortality without surgical repair? A plea to clarify surgical ineligibility. J Pediatr Surg. 2013 May;48(5):924-9. |
| Dr. Skarsgard | <ul style="list-style-type: none"> • Zerhouni S, Mayer C, Skarsgard ED. Can we select fetuses with intra-abdominal calcification for delivery in neonatal surgical centres? J Pediatr Surg. 2013 May;48(5):946-50. |

Book Chapters:

- | | |
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| Dr. Skarsgard | <ul style="list-style-type: none"> • Moore A, Rouleau J, Skarsgard ED. Gastroschisis. Chapter 7. Congenital Anomalies in Canada. A Perinatal Health Surveillance Report. Public Health Agency of Canada. |
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Grant Funding Received:

Dr. Blair	Granting Agency: UBC & CFRI Summer Studentships Subject: Engaging Youth in Rural Uganda in Articulating Health Priorities through Participatory Action Research Co-Investigator(s): Ho, Esau, Duffy, O'Hara, Ajiko COMP: C ~\$7000 Per year
Dr. Skarsgard	Granting Agency: Canadian Institutes of Health Research Subject: Secondary Analyses of Databases: CAPSNet Co-Investigator(s): Arbour L, U Victoria; Greenwood M, UNBC; Brindle M, U Calgary; Bassil K, U Toronto; Moheddin R, U Toronto COMP: C \$100,000 Per year

Teaching:



Fellows Supervised	<ul style="list-style-type: none"> Akram Aljahdali Jennifer Stanger Phyllis Kisa 	
Residents Supervised: Royal College Pediatric Residents (4 week rotations)	<ul style="list-style-type: none"> Meghan Gilley Anas Manouzi Colin Meyer-MacAulay Michelle Sherwood Henry Stringer Megan Kilvert Robyn Johnson Trisha Patel 	<ul style="list-style-type: none"> Isaac Elias Carmen Tait Rachel Li Alison Lee Arash Adjadani Anamaria Richardson Charmaine Wong
Royal College General Surgery Residents (8 week rotations)	<ul style="list-style-type: none"> Victoria Cheung Farhana Shariff Candace Haddock Sorab Khorasani Chris Zroback Gareth Eeson Noora Sajwani 	<ul style="list-style-type: none"> Shahrazad Joharifard Alison Wallace Sepehr Khorasani May Tee Catherine Beaumier Atif Jastaniah Gurp Johal

Royal College Plastic Surgery Residents (8 week rotations)

- Morgan Evans
- Daniel Demsey
- Leslie Leung

Brett Mador - Scholarly project, Crohn's-Urachal Fistula - 2013-2014

- + Regular roster of Surgical residents rotating through Pediatric Surgery service
- + Regular roster of Pediatric residents rotating through Pediatric Surgery service

Students Supervised

- Vivian Ma: Environmental scan of bereavement services at North American children's hospitals
- Austin Ho & Daniel Esau- Soroti Photovoice project - July 2013
- Vivian Ma- Wilms' tumour project - 2013-2014
- Kathryn Roston- Choledochal cyst project - 2013-2014
- + Regular roster of Medical students, scheduled and elective, rotating through Pediatric Surgery service





Committee Participation:

- Dr. Blair
- BCCH, ON TRAC Transition Steering Committee, Member
 - Various Curriculum Renewal Committees for the Faculty of Medicine (e.g. Chair of the Phase II Flexibility Working Group, Co-Chair of the Phase III Clerkship Working Group. Member of the Curriculum Design Working Group, etc)
 - Year 3 Committee UBC FoM MD Undergraduate Program
 - Clerkship Development Team
 - ON TRAC Initiative Steering Committee
 - Surgical Undergraduate Education Committee, Chair
 - Surgical Advisory Council, Member
 - Canadian Undergraduate Surgery Education Committee, Executive member
 - CAPS Global Partnership Committee, Chair
 - CAPS Workforce Committee, Member
 - CMA Specialist Forum, Chair
 - Agenda Setting Committee of CMA Specialist Forum, Member
 - CMA General Council, CAPS Representative

- Dr. Blair
- CMA Quality Collaborative, Inaugural Chair
 - Editorial Board of the Journal of Pediatric Surgery, Associate Editor
 - International Network on Esophageal Atresia (INoEA), Member

- Dr. Butterworth
- BC Children's Hospital NICU Complex Nutrition Committee
 - BC Children's Hospital Children's Intestinal Rehabilitation Program
 - Pharmacy, Therapeutics and Nutrition Committee
 - BC Children's Hospital trauma Committee
 - BC Children's Hospital Diaphragmatic Pacing Program
 - Pediatric Oncofertility Committee
 - General Surgery Residency Education Committee
 - Associate Program Director, General Surgery
 - Pediatric Surgery Residency Education Committee
 - Pediatric Surgery Program Director
 - Children's Oncology Group Surgical representative, BCCH Site
 - Canadian Association of Pediatric Surgeons, publications committee

- Dr. Skarsgard
- BCCH Search Committees for Heads of Anesthesia, Dentistry, Orthopedics, Chair
 - Medical Advisory Committee, Member
 - BCCHF Allocations Committee, Member
 - BCCHF Board of Directors, Member
 - BCCH BioBank Executive Committee, Member
 - Centre for Surgical Research, Dept of Surgery, UBC, Co-chair
 - Organizing Committee, WB and MH Chung Department of, Co-chair,
 - Surgery Research Symposium
 - Surgical Advisory Committee, Member
 - A&P Committee, Department of Surgery, Member
 - Merit Review Committee, Department of Surgery, Member
 - Surgical representative to the UBC Clinical Investigator Program (CIP)
 - Examination Board of the RCPSC (Pediatric Surgery), Vice Chair
 - Specialty Committee for Pediatric Surgery, RCPSC, Member
 - American Pediatric Surgical Association (APSA), Governor, 2012-15
 - New Technology Committee, APSA, Member





Dr. Skarsgard

- The Canadian Association of Pediatric Surgeons, Director, 2012-15
- The Canadian Pediatric Surgery Network (CAPSNet), Director
- Advisory Council (Pediatric Surgery) to the American College of Surgeons (ACS), Member
- ACS NSQIP (BCCH site), Surgeon co-champion
- Canadian Congenital Anomalies Surveillance Network, Member
- Advisory Group (Health Canada)
- CIHR Institute Advisory Board (Institute of Human Development, Child and Youth Health), Member
- North American Fetal Therapy Network (NAFTNet), Member

Dr. Webber

- Mortality Review Committee, Chair (BCCH)
- Surgical Services Safety Quality of Care Committee, Member (BCCH)
- Surgical Services Advisory Committee, Member (BCCH)
- Vascular Access Committee, Co-chair (BCCH)
- UBC Resident Appeals Committee, Chair
- Surgical Advisory Committee, Member
- Task Force on Postgraduate Medical Education Terminology, Member
- Pacific Association of Pediatric Surgeons
 - Publications Committee, Member
 - Program Committee, Member
- Publications Committee, Member
- Royal College of Physicians and Surgeons of Canada
 - Accreditation Committee, Steering committee member
 - General Surgery Specialty Committee, Chair
 - Surgical Foundations Advisory Committee, Nucleus member
 - Specialty Standards Review Committee, Member
 - Summit on the future of General Surgery, Co-chair
- Accreditation Committee, Steering committee member
- General Surgery Specialty Committee, Chair
- Surgical Foundations Advisory Committee, Nucleus member
- Specialty Standards Review Committee, Member
- Summit on the future of general surgery, Co-chair





Faculty Members

- Dr. Cynthia Verchere, Division Head
- Dr. Jugpal Arneja
- Dr. Sean Bristol
- Dr. Kevin Bush
- Dr. Douglas J Courtemanche
- Dr. Mark Hill

Staff Members:

- Ms. Norine Mayede, Administrative Assistant & Medical Office Assistant to Dr. Verchere
- Dr. Marija Bucevska, Research Coordinator
- Ms. Rupinder Parhar, Medical Office Assistant to Dr. Courtemanche
- Ms. Anastasia Mitzel, Medical Office Assistant to Dr. Arneja
- Ms. Audrey Potkonjak, Office Assistant to Dr. Verchere



Highlights and Achievements:

- **Dr. Jugpal Arneja** won the Teacher of the Year Award (off-service) by the Department of Pediatrics at BC Children's Hospital.
- Dr. Jugpal Arneja's summer student and mentee **Michael Stein**, won a Subspecialty Award at the 2014 Western Regional Meeting held 2014 Jan 23-25, in Carmel, California.



Academic Activities:

Presentations:

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| Dr. Bucevska | • Chan E, Bucevska M, Verchere C. Minor Surgery Procedures in a Pediatric Population. 2014 Western Regional Meeting. Carmel, CA. 2014 Jan. |
| Dr. Courtemanche | • Clarke QK, Duffy D, Courtemanche D. An Appraisal of the OPSEI Academic Rounds Evaluations. 2014 Western Regional Meeting. Carmel, CA. 2014 Jan. |
| Drs. Bucevska, Arneja, Courtemanche | • Gorman J, Bucevska M, Arneja J, Courtemanche D. Outcomes of Sclerotherapy for the Treatment of Venous Vascular Malformations. 2014 Western Regional Meeting. Carmel, CA. 2014 Jan. |
| Drs. Bucevska, Verchere | • Neufeld M, Bucevska M, Verchere C. Management of Birth Related Brachial Plexus Injuries in Canada. 2014 Western Regional Meeting. Carmel, CA. 2014 Jan. |
| Drs. Bucevska, Courtemanche | • Phang M, Bucevska M, Courtemanche D. Factors Affecting Usability of Technology in the OR: The K-Mouse Usability Test. 2014 Western Regional Meeting. Carmel, CA. 2014 Jan. |
| Drs. Guilfoyle, Courtemanche, Arneja | • Stein M, Guilfoyle R, Courtemanche D, Arneja J. A New Clinical Diagnosis in the Spectrum of Vascular Anomalies. 2014 Western Regional Meeting. Carmel, CA. 2014 Jan. |
| Drs. Verchere, Durlacher | • Durlacher K, Bellows D, Verchere C. Application of a Collaborative Framework: Development of the Sup-ER Splint. Canadian Association of Occupational Therapists National Conference. Victoria, BC. 2013 May-Jun. |
| Dr. Arneja | • Arneja JS, McInnes CW, Carr, N, Lennox, P, Skarlicki, D. Leadership Trends in Canadian Academic Surgery: Do Division Heads and Program Directors Have the Tools Necessary to Provide Effective Leadership? Plastic Surgery Research Council. Santa Monica, CA. 2013 May. |
| Dr. Arneja | • Arneja JS, Mitton C. Ambulatory Cleft Lip Surgery: A Value Analysis and Applications to the Healthcare System. Canadian Society of Plastic Surgeons 67th Annual Meeting. Calgary, AB. 2013 May. |





Drs. Malic, Verchere, Arneja	<ul style="list-style-type: none"> Malic C, Verchere C, Arneja JS. Pediatric Scald Burns – A Value Analysis of Two Common Types of Dressings. Canadian Society of Plastic Surgeons 67th Annual Meeting. Calgary, AB. 2013 May.
Drs. Fish, Verchere	<ul style="list-style-type: none"> Toor J, Fish J, Crain J, Kelly C, Verchere C. The Increasing risk of Glass-Fronted Fireplace Burns in Canada. Canadian Society of Plastic Surgeons 67th Annual Meeting. Calgary, AB. 2013 May.
Drs. Verchere, Bucevska, Malic	<ul style="list-style-type: none"> Verchere C, Bucevska M, Martin G, Malic C, Bellows D, Durlacher K. An Early Shoulder Repositioning Program in Birth Related Brachial Plexus Injury. Philadelphia Hand Rehabilitation Foundation Pediatric Pre-Course. Philadelphia, PA. 2013 Apr.

Publications:



Drs. Malic, Verchere, Arneja	<ul style="list-style-type: none"> Malic C, Verchere C, Arneja J. Inpatient silver sulphadiazine vs. outpatient nanocrystalline silver models of care for pediatric scald burns: A value analysis. Can J Plast Surg. 2014;22(2):99-102.
Dr. Arneja	<ul style="list-style-type: none"> Robinson M, Macneily A, Afshar K, McInnes C, Lennox P, Carr N, Skarlicki D, Masterson J, Arneja J. Leadership in Canadian urology: what is the right stuff? J Surg Educ. 2013 Sep-Oct;70(5):606-12.
Dr. Arneja	<ul style="list-style-type: none"> Yong M, Afshar K, Macneily A, Arneja JS. Management of pediatric penile keloid. Can Urol Assoc J. 2013 Sep-Oct;7(9-10):E618-20.
Dr. Arneja	<ul style="list-style-type: none"> Song, D, Evans, R, Arneja, JS. Delayed Extensor Pollicis Longus Tendon Rupture Following Nondisplaced Distal Radius Fracture in a Child. Hand. 2013 Jun;8(2):242-4.
Dr. Arneja	<ul style="list-style-type: none"> Song, D., Abedi N., Macadam S, Arneja, JS. How Many Work Hours Are Requisite to Publish a Manuscript? PRS GO. 2013 Apr;1(9):E9-10.
Dr. Arneja	<ul style="list-style-type: none"> Arneja JS, Mitton C. Ambulatory cleft lip surgery: A value analysis. Can J Plast Surg. 2013;21(4):213-6.
Dr. Arneja	<ul style="list-style-type: none"> Sikora S, Lai M, Arneja JS. Pediatric flexor tendon injuries: A 10-year outcome analysis. Can J Plast Surg. 2013;21(3):181-5.

Grant Funding Received: \$

Dr. Courtemanche	Granting Agency: UBC (SSRP) Subject: K-Mouse Clinical β Test Co-Investigator(s): Phang M COMP: C \$3,200 Per year
Dr. Courtemanche	Granting Agency: CFRI (SSRP) Subject: Outcomes on Sclerotherapy of Venous Malformations COMP: C \$2,698 Per year
Dr. Arneja	Granting Agency: Rare Disease Foundation Subject: The Surgical Management of Pierre Robin Sequence – When and Which Type of Surgery? Co-Investigator(s): Verchere C, Courtemanche D COMP: C \$3,500 Per year

Teaching:



Fellows Supervised	<ul style="list-style-type: none"> Dr. Claudia Malic (2012 Jul – 2013 Jun) Dr. Regan Guilfoyle (2013 Jul – 2014 Jun)
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Committee Participation:



Dr. Arneja	<ul style="list-style-type: none"> Child Health Leadership Team, BC Children's Hospital, 2010-present Surgical Services Advisory Council (SSAC), BC Children's Hospital, 2010-present Medical Advisory Committee (MAC), BC Children's Hospital, 2012-present Provincial Surgical Advisory Council (PSAC), BC Children's Hospital
Dr. Courtemanche	<ul style="list-style-type: none"> Biohazard Exposure Control Committee, Provincial Health Services Authority Surgical Data Management Committee, BC Children's Hospital
Dr. Verchere	<ul style="list-style-type: none"> Burn Program ad hoc Committee (VGH/BCCH), 1996 Jan to present Plastic Surgery Residency Committee, Member, 2006 Jan to present



Faculty Members:

- Dr. Andrew E MacNeily, Division Head
- Dr. Kourosh Afshar
- Dr. John ST Masterson

Staff Members:

- Ms. Heidi Scott, Pediatric Urology Nurse Clinician
- Dr. Souzan Baharlou, Pediatric Urology Research Associate
- Dr. Maryam Noaparast, Pediatric Urology Research Associate
- Ms. Danielle Baghii, Administrative Assistant
- Ms. Maria Chaperon, Administrative Assistant



Highlights and Achievements:

As the only pediatric urology service in British Columbia, the Division of Pediatric Urology at BC Children's performed more than 800 surgical procedures and cared for over 5,000 children in our ambulatory clinic this year. Last year realized many successes for our small team which are detailed in this report.

Some notable highlights include the following: Dr. Afshar continues in his position of Associate Chief of Surgery - Quality and Safety, an important administrative position in our organization. He has also assumed the role of BCCH Surgeon Champion for National Surgical Quality Improvement Program (NSQIP). Dr. MacNeily continues on as Head of the Division of Pediatric Urology, Vice Chair Education and Clinical Affairs for the Dept of Urological Sciences, Chair of the Royal College Specialty Committee in Urology, as well as a member of the executive of the Canadian Urological Association. This year, Dr MacNeily was also appointed as a member of the Faculty of Medicine Promotions and Tenure committee.

Academic productivity was excellent with a total of 10 abstract presentations, 15 invited lectures, 9 peer-reviewed publications, 2 prizes and 6 new or ongoing grants.

The Division of Pediatric Urology continues to play a major educational role within both the UBC Department of Urological Sciences and the Department



of Pediatric Surgery at the undergraduate and postgraduate levels. A total of 15 residents from our UBC training program rotated at BCCH participating in ambulatory clinics, surgery, urodynamic assessments, ward and emergency consultations as well as a variety of scheduled academic sessions.

In 2013-14 we hosted 31 elective medical students from UBC and across Canada. In addition, Dr. Afshar is supervising a PhD student from Department of Experimental Medicine.



Academic Activities:

Presentations:



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| Drs. MacNeily, Afshar | <ul style="list-style-type: none"> Fazeli M, MacNeily AE, Afshar K. Role of Autonomic Nervous System in Pediatric Dysfunctional Voiding. NorthWest Urological Society. Vancouver, BC. 2013 Dec. |
| Dr. MacNeily | <ul style="list-style-type: none"> Harriman D, Hoag N, MacNeily AE, Goldenberg SL, Gourlay WA. Impact of clinical fellows on urology resident training: Perceptions and reality. NorthWest Urological Society. Vancouver, BC. 2013 Dec. |
| Drs. Afshar, MacNeily | <ul style="list-style-type: none"> Youssef D, Afshar K, MacNeily AE. Chordee correction at the time of hypospadias repair: Make it longer or make it shorter? NorthWest Urological Society. Vancouver, BC 2013 Dec. |
| Dr. Afshar | <ul style="list-style-type: none"> Bedford J; Chan T; Skarsgard E; Afshar K. Postoperative UTIs: Getting our Lemon Back from the Juice: American College of Surgeon NSQIP Annual Meeting. San Diego, CA. 2013 Jul. Bedford J, Chan T, Skarsgard E, Afshar K. Surgical site infections: Using local context to drive quality improvement. American College of Surgeon NSQIP Annual Meeting. San Diego, CA. 2013 Jul. |
| Dr. MacNeily | <ul style="list-style-type: none"> Flannigan R, Hoag N, MacNeily AE. Organ Procurement as a means to increase Urology Resident Exposure to open surgical cases. Canadian Urological Association. Niagara Falls, ON. 2013 Jun. Gustafson P, Mikhael D, MacNeily AE. Are Residents meeting Royal College objectives of training in pediatric urology? Canadian Urological Association. Niagara Falls, ON. 2013 Jun. |



Drs. Afshar K, MacNeily	<ul style="list-style-type: none"> Hamidizadeh R, Afshar K, MacNeily AE. Buccal mucosal grafting for complex hypospadias repairs: challenging cases with modest outcomes. Canadian Urological Association. Niagara Falls, ON. 2013 Jun.
Dr. MacNeily	<ul style="list-style-type: none"> Harriman D, Hoag N, MacNeily AE, Goldenberg SL, Gourlay WA. Perceptions and attitudes toward the impact of clinical fellows on urology resident training. Canadian Urological Association. Niagara Falls, ON. 2013 Jun.
Drs. MacNeily, Afshar	<ul style="list-style-type: none"> Hoag N, MacNeily AE, Figueroa V, Afshar K. VURD syndrome: Does it really preserve long-term renal function? American Urological Association annual meeting. San Diego, CA. 2013 May.

Lectures:

Dr. MacNeily	<ul style="list-style-type: none"> Western Urologic Forum: Can a Randomized Controlled Trial Distinguish Fact From Fantasy in The Occult Tethered Cord Syndrome? Santa Barbara, CA. 2014 Mar. NorthWest Urological Society annual meeting, Educational Forum: Building a Better Urologist. Vancouver, BC. 2013 Dec. Co-Chair: Pediatric Urologists of Canada Symposium. Societe Internationale D'Urologie. Vancouver, BC. 2013 Sep. Societe Internationale d'Urologie: Is there still a role for prophylactic antibiotics in patients with reflux? Vancouver, BC. 2013 Sep. Societe Internationale d'Urologie: Occult tethered cord syndrome: fact or fantasy? Vancouver, BC. 2013 Sep. Societe Internationale D'Urologie: Pediatric Urology Podium session. Vancouver, BC. 2013 Sep. Canadian Academy of Urologic Surgeons: Urological manpower in British Columbia and What is the role of the Royal College Specialty committee in Urological Manpower planning? Niagara Falls, ON. 2013 Jun.
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Dr. MacNeily	<ul style="list-style-type: none"> Canadian Urological Association Scholarship Foundation: Things I learned while learning to teach: reflections on 15 years as a residency director. Niagara Falls, ON. 2013 Jun. Pediatric Urologists of Canada: Management of complex neurogenic bladder cases. Niagara Falls, ON. 2013 Jun. Symposium Beyond Pediatric Incontinence: Quality of Life Assessments following lower urinary tract reconstruction. Toronto, ON. 2013 Jun. CUA Primary Care Comprehensive Urology Review: Common Pediatric Urology Presentations: Pearls for Family Physicians. Vancouver, BC. 2013 May.
Dr. Afshar	<ul style="list-style-type: none"> Co-Chair: Pediatric Urologists of Canada Symposium. Societe Internationale D'Urologie. Vancouver, BC. 2013 Sep. Pediatric Urology Podium session: Societe Internationale D'Urologie. Vancouver, BC. 2013 Sep. Societe Internationale d'Urologie: Non Invasive monitoring of Bladder function Vancouver, BC. 2013 Sep.

Formal Teaching:

Dr. MacNeily	<ul style="list-style-type: none"> Ped Gen Sx Fellows Academic Half day DSD lecture. 2013 May. 2 classes, 1 hour. Senior Resident Mock Oral preparatory examinations. 2013 May. 30 classes, 4 hours. SPPH 517 Introduction to research in Medical Education. 2013 Nov. 7 classes, 2 hours. Urology Resident Academic Half Day Seminar: Disorders of Sexual Differentiation & visual recognition preparatory examination 2013 Apr. 12 classes, 3 hours. Urology Resident Mock Oral Examinations. 2013 Nov. 9 classes, 3 hours.
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- Dr. Afshar
- CRASH course for first year surgical residents: Appraisal of literature. 2013 Oct. 4 classes, 12 hours.
 - FERGU lecture. 2013 May. 300 classes, 1 hour.
 - INDE 410 Male GU exam. 2013 May. 10 classes, 2 hours.
 - Pediatric Residents Half day. 2013 Apr. 10 classes, 3 hours.
 - Phase IV lecture. 2013 Oct. 20 classes, 2 hours.
 - SPPH 517 Masters Degree Course: Research methods in Surgery. 2013 Apr – Jun. 6 classes, 10 hours.
 - Surgical Foundation lecture for Junior surgical residents. 2013 May, 2 classes, 10 hours.
 - Urology residents Academic half day. 2013 Dec. 10 classes, 3 hours.
 - Urology residents Academic half day. 2014 Jan. 10 classes, 3 hours.

Publications:



- Dr. MacNeily
- Hoag NA, Flannigan R, MacNeily AE. Organ Procurement surgery as a means of increasing open surgical experience during urology residency training. Can Urol Assoc J. 2014;8(1-2):36-38.
- Drs. MacNeily, Afshar, Masterson
- Robinson M, MacNeily AE, Afshar K, McInnes C, Lennox P, Carr N, Skarlicki D, Masterson JST, Arneja J. Leadership in Canadian urology: What is the right stuff? J. Surg. Educ. 2013 Sept-Oct;70(5):606-12.
- Drs. Afshar, MacNeily
- Yong M, Afshar K, MacNeily AE, Arneja JS. Management of pediatric penile keloid. Can Urol Assoc J. 2013 Sept;7(9-10):618-20.
- Drs. Afshar, MacNeily
- Zhu J, Hoag NA, Gustafson P, Afshar K, MacNeily AE. Pediatric bladder neuroblastoma: Case report and literature review Can Urol Assoc J. 2013 Sept;7(9-10):609-11.
- Drs. Afshar, Masterson, MacNeily
- Hoag NA, Afshar K, Youssef D, Masterson JST, Murphy J, MacNeily AE. Cystic intratesticular lesions in pediatric patients. J Pediatr Surg. 2013 Jul-Aug;70(4):537-43.

- Dr. MacNeily
- Melnyk M, Nelson H, Mickelson JJ, MacNeily AE. Trends in matching to urology residency in Canada: Are we becoming non-competitive? J. Surg. Educ. 2013 Jul-Aug;70(4):537-43.

- Dr. Afshar
- Abughosh Z, Margolick J, Goldenberg SL, Taylor SA, Afshar K, Bell R, Lange D, Bowie WR, Roscoe D, Machan L, Black PC. A prospective randomized trial of povidone-iodine prophylactic cleansing of the rectum before transrectal ultrasound guided prostate biopsy. J Urol. 2013 Apr;189(4):1326-31.

- Dr. MacNeily
- MacNeily AE. Paging dr. Google. CUA Journal. 2013 Mar-Apr;7(3-4):106-7.

Honors & Awards:

- Dr. Afshar
- Afshar K. Best Reviewer Award Journal of Urology. 2013.

- Dr. MacNeily
- Flannigan R, Hoag N, MacNeily AE. Second Place – Best Resident Paper, NorthWest Urological Society. Dec 2013.

Grant Funding Received: \$

- Drs. Steinbok, MacNeily
- Granting Agency: BC Medical Services Foundation | Subject: Treatment of Persistent Urinary Incontinence in Children | COMP: C | \$50,000 Per year

- Dr. Afshar
- Granting Agency: CFRI | Subject: Autonomic Nervous System and Voiding dysfunction | COMP: C | \$3,200 Per year

- Dr. Afshar
- Granting Agency: Canadian Urologic Association | Subject: Autonomic Nervous System and Voiding dysfunction | COMP: C | \$50,000 Per year

- Dr. Afshar
- Granting Agency: CFRI | Subject: Pediatric Surgery Quality and Safety Research Unit | COMP: C | \$25,000 Per year

- Dr. Afshar
- Granting Agency: Surgical Quality Action Network | Subject: Retained Surgical Items | COMP: C | \$5,000 Per year

- Dr. Afshar (Co-PI)
- Granting Agency: Surgical Quality Action Network | Subject: Preoperative Skin Decolonization | COMP: C | \$5,000 Per year



Teaching:



Residents Supervised	• Dr. Paul Gustafson	• Dr. Henry Tran
	• Dr. Reza Hamidzadeh	• Dr. Hilary Brotherhood
	• Dr. Samir Bidnur	• Dr. David Youssef
	• Dr. Nathan Hoag	• Dr. David Harriman
	• Dr. Meagan Melnyk	• Dr. Jennifer Locke
	• Dr. Ryan Flannigan	• Dr. Stephen Taylor
	• Dr. Mike Robinson	• Dr. Mike Metcalfe

Research Students Supervised	• Fazeli M. PhD Candidate, Experimental Medicine
	• Akbari A. Undergraduate student
	• Jiwa K. Medical student Summer Research Program
	• Bhati A. Medical Student SQAN scholarship

Committee Participation:

Dr. Afshar	• 2013-present. Member, Northwest Urological Association Executive Committee
	• Surgeon Champion NSQIP, BC Children's Hospital

Dr. MacNeily	• 2000-2014. Member, UBC Dept of Urological Sciences Post-graduate Training Committee
	• 2005-2014. Divisional Representative, BCCH Surgical Services Advisory Committee
	• 2008-2014. Member, Dept Urological Sciences Promotion and Tenure committee
	• 2009-2014. Member, Dept of Urological Sciences Executive Council
	• 2011-2014. Vice-Chair, Education and Clinical Affairs Dept of Urologic Sciences
	• 2011-2014. Executive at Large: BC Representative, Canadian Urological Association
	• 2011-2014. Executive Member, Canadian Urological Association Guidelines committee
	• 2011-2016. Section Editor (Training & Education), Canadian Urol Association Journal

Dr. MacNeily

- 2012-2013. President, North West Urologic Society
- 2012-2013. Specialist Member Youth Transition Project Group
- 2012-2014. Chair Royal College Specialty Committee on Urology
- 2013-2014. Member, Faculty of Medicine Promotions and Tenure Committee
- 2013. External reviewer: Promotions and Tenure, University of Toronto
- 2014. External reviewer: Promotions and Tenure, Queens University
- 2014. External reviewer: Promotions and Tenure, University of Texas Southwestern
- 2014. Peer reviewer: AUA Guidelines on Cryptorchidism
- 2014. Grant panel member: CUA Scholarship Foundation

Dr. Masterson

- 1985-present, Member, Gender Assessment Committee
- 2002-present, Member, Surgical Advisory Committee, Department of Surgery
- 2002-present, Chair, STI (Strategic Teaching Initiatives) Committee, Department
- 2006-present, Clinical Faculty Appointment and Promotion Committee
- 2007-present, Department of Urologic Sciences Representative/Champion,
- Mentoring Program Working Group of Surgery
- 2009-present, Alternate Member, UBC Undergraduate Curriculum Committee
- 2009-present, Physician Member, Circle of Care \$ 10,000 Foundation donor
- 2014-present, Member, Urology Expert Panel – BCCH/PHSA Committee
- 2014-present, Trauma Symposium at Vancouver General Hospital



BC Children's Hospital, Room KO-107 ACB – 4480 Oak Street | Vancouver, BC V6H 3V4 | 604-875-2734



The Division of Pediatric Urology provides a full range of diagnostic and urologic treatment services for children.

The Office of Pediatric Surgical Education and Innovation (OPSEI) at BC Children's Hospital is a program that connects medical students with mentors to work on various summer projects, ranging anywhere from clinical research.



OPSEI



www.opsei.bc.ca