

PEDIATRIC UPDATE

2013



UNIVERSITY OF ALBERTA  
FACULTY OF MEDICINE & DENTISTRY  
Department of Pediatrics

# PEDIATRIC UPDATE Conference

September 20–21, 2013  
Lister Conference Centre  
Edmonton, Alberta

Program

# Program Committee

Committee Chair: **Dr. Susan Gilmour**, Chair, Department of Pediatrics,  
University of Alberta

**Dr. Samina Ali**, Program Director, Emergency Medicine, Department of Pediatrics,  
University of Alberta

**Ms. Judith Chrystal**, Communications Coordinator, Department of Pediatrics,  
University of Alberta

**Dr. William Cole**, Divisional Director, Pediatric Surgery, Department of Surgery,  
University of Alberta

**Dr. Irene Colliton**, Family Physician, Heritage Medical Clinic, Edmonton

**Dr. Manjula Gowrishankar**, Associate Professor, Nephrology, Department of Pediatrics,  
University of Alberta

**Dr. Robert Moriartey**, Divisional Director, General Pediatrics, Department of Pediatrics,  
University of Alberta

**Ms. Sandra Pichler**, Assistant Chair, Department of Pediatrics, University of Alberta

**Dr. Elizabeth Rosolowsky**, Assistant Professor, Endocrinology, Department of Pediatrics,  
University of Alberta

**Dr. Lois Sim**, Clinical Professor, Department of Pediatrics, University of Alberta

**Ms. Maureen Melnyk**, Conference Secretariat, BUKSA Strategic Conference Services

## Program Accreditation:

Royal College of Physicians and Surgeons of Canada

This event is an Accredited Group Learning Activity as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada and approved by the University of Calgary for up to a maximum of **11 hours of Section 1 credits**.

College of Family Physicians of Canada

This program meets the accreditation criteria of The College of Family Physicians of Canada and has been accredited by the Alberta College of Family Physicians for up to **15.5 Mainpro-M1 credits**.



# Schedule

## Pre-Conference High-Fidelity SIM Workshop

Health Sciences Education and Research Commons, Edmonton Clinic Health Academy, University of Alberta

### Workshop Learning Objectives:

After attending the pre-conference workshop, delegates will be able to:

- Practice hands-on skills relating to the management of simple and complex health problems for pediatric patients in a range of ages
- Develop more effective communication skills, practice professional conduct and improve team-based care delivery in a fast-paced simulation setting
- Learn techniques for the management of four different simulated pediatric health care issues using high-fidelity simulation models, and with the input of trained facilitators

### Thursday, September 19, 2013

9:00 – 9:30 am	<b>Welcome and Introduction to Emergent Situation Management</b> <b>Dr. Jon Duff</b> Meeting Room 2-296	
9:30 – 10:00 am	<b>Introduction to Simulation</b> <b>Mr. Andrew Reid</b> , Simulation Consultant, Alberta Health Services Multipurpose Lab 2-365	
10:00 – 11:00 am	<b>Skills Small Groups:</b> <b>Drs. Duff, Joynt, Grewal, Allain</b> Multipurpose Lab 2-365	
11:00-11:15 am	<b>Break</b> Seats of Innovation Foyer	
11:15 am – 12:00 pm	<b>Simulation #1 – Group 1</b> Facilitator: <b>Dr. Jon Duff</b> Critical Care Lab, 2-319	<b>Simulation #2 – Group 2</b> Facilitator: <b>Dr. Sim Grewal</b> Universal Simulation Lab, 2-315
12:00 – 12:45 pm	<b>Simulation #2 – Group 1</b> Facilitator: <b>Dr. Sim Grewal</b> Universal Simulation Lab, 2-315	<b>Simulation #1 – Group 2</b> Facilitator: <b>Dr. Jon Duff</b> Critical Care Lab, 2-319
12:45 – 1:40 pm	<b>Lunch</b> Seats of Innovation Foyer	
1:40 – 2:20 pm	<b>Simulation #3 – Group 1</b> Facilitator: <b>Dr. Dominic Allain</b> Critical Care Lab, 2-319	<b>Simulation #4 – Group 2</b> Facilitator: <b>Dr. Chloe Joynt</b> Universal Simulation Lab, 2-315
2:20 – 3:00 pm	<b>Simulation #4 – Group 1</b> Facilitator: <b>Dr. Chloe Joynt</b> Universal Simulation Lab, 2-315	<b>Simulation #3 – Group 2</b> Facilitator: <b>Dr. Dominic Allain</b> Critical Care Lab, 2-319
3:00 – 3:30 pm	<b>Debrief Discussion, Workshop Evaluation, Refreshments &amp; Concluding Comments</b> Meeting Room 2-296	

# Conference Sessions

*All Conference Sessions take place in the Maple Leaf Room at the Lister Conference Centre*

## Conference Learning Objectives:

**After attending conference sessions, delegates will be able to:**

- Identify updates in pediatric practice across a broad spectrum of topics related to daily practice and challenges
- Explain the available management options for acute and chronic pain in pediatric patients
- Summarize the latest research and clinical evidence for novel approaches to the diagnosis and treatment of appendicitis
- Describe the diagnostic and management pathway for infants and toddlers with speech and language delays
- Review current fads and available evidence concerning gluten sensitivity and vitamin D supplementation, and their effect on pediatric management
- Determine appropriate assessments and referrals of patients with heart murmurs
- Describe the optimal course of action for common pediatric gynecological emergencies
- Articulate the key developments with respect to genetic screening of newborn patients

## Friday, September 20, 2013

7:30 – 8:30 am **Breakfast and Registration**

8:30 – 8:45 am **Opening Remarks and Welcome**

### **THEME: Acute Issues**

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8:45 – 10:00 am **PLENARY PANEL #1: Fractures / Acute Pain**

#### **a) Fractures**

**Dr. Sukhdeep Dulai**

In this session Sukhdeep Dulai will use a case-based approach to provide an overview of the approach to acute pediatric musculoskeletal injuries including diagnosis, initial management and ongoing care.

**Following this presentation, delegates will be able to:**

- Discuss the common acute musculoskeletal injuries seen in children
- Provide a guide to the utility of radiography in the setting of pediatric musculoskeletal injury
- Review the principles of acute pediatric fracture management
- Identify pediatric musculoskeletal injuries that can lead to long-term complications and strategies to minimize morbidity in these cases

# Schedule **Friday, September 20, 2013** *(continued)*

## **b) Managing Acute Pain in Children**

**Dr. Samina Ali**

In this session Samina Ali will review common techniques and medications available to clinicians, to reduce procedural and presenting pain for children.

### **Following this presentation, delegates will be able to:**

- Understand why managing pain is essential in pediatric patient care
- Describe at least three simple techniques for managing procedural pain
- Feel comfortable prescribing at least two different medications for each level of acute pain

### **Question and Answer**

10:00 – 10:15 am

**Break**

10:15 – 10:45 am

## **SHORT SNAPPERS: Infectious Disease**

### **a) Infectious Disease: Otitis Media**

**Dr. Joan Robinson**

### **Following this presentation, delegates will be able to:**

- Identify the risks associated with a failure to start immediate antibiotic treatment for acute otitis media
- Explain what antibiotics to use when choosing to treat acute otitis media
- Describe the most effective and appropriate duration of antibiotic treatment for acute otitis media

### **b) Community Acquired Pneumonia**

**Dr. Joan Robinson**

### **Following this presentation, delegates will be able to:**

- Describe how to determine which children have bacterial pneumonia
- Explain which antimicrobials should be selected for bacterial pneumonia in children in Canada
- Identify when further testing is called for, and when different antimicrobials should be selected in pediatric pneumonia cases

### **Question and Answer**

# Schedule **Friday, September 20, 2013** *(continued)*

10:45 am – 12:00 pm

**PLENARY PANEL #2: Migraines / Appendicitis****a) Migraines****Dr. Lawrence Richer****Following this presentation, delegates will be able to:**

- Review clinical pearls in the evaluation and treatment of children with migraine and other headache disorders
- Review evidence and emerging options for acute migraine therapy and prophylaxis in children and adolescents
- Highlight similarities in the treatment of migraine equivalents including cyclical vomiting syndrome and abdominal migraine

**b) Appendicitis: Advances in Diagnosis and Treatment****Dr. Bryan Dicken**

In this session Bryan Dicken will discuss the pathophysiology of acute appendicitis. He will consider differential diagnosis in pediatric patients with acute abdominal pain and outline a diagnostic pathway focusing on clinical signs and symptoms, laboratory investigations, and diagnostic imaging. Bryan will discuss how to identify patients who require surgical consult and the use of CT scans and empiric antibiotics.

**Following this presentation, delegates will be able to:**

- Describe the pathophysiology of acute appendicitis
- Outline a differential diagnosis for the pediatric patient with acute abdominal pain
- Implement a diagnostic pathway with a specific focus on clinical signs and symptoms, laboratory investigations, and diagnostic imaging
- Identify the patient that requires a surgical consult
- Identify the role of CT scans and empiric antibiotics

**Question and Answer**

12:00 – 1:15 pm

**Lunch****THEME: Chronic Issues**

1:15 – 2:00 pm

**PLENARY SESSION #3: Gynecological Issues****a) Pediatric Gynecological Emergencies****Dr. Tarek Motan**

In this session Tarek Motan will highlight common emergencies in paediatric gynaecology as they present to physicians. The pathology, presentation and management will be briefly discussed.

**Following this presentation, delegates will be able to:**

- Describe the pathology, presentation and management of pre-pubertal perineal lesions, vaginal discharge, vaginal bleeding and genital trauma
- Describe the pathology, presentation and management of post-menarchal ovarian torsion and abnormal uterine bleeding



# Schedule

## Friday, September 20, 2013 *(continued)*

2:00 – 2:50 pm

**SHORT SNAPPERS: Gluten Sensitivity / Alberta Insulin Pump Program****a) Gluten Sensitivity****Dr. Justine Turner****b) Provincial Insulin Pump Program Criteria****Ms. Marcey Rawlake****Following this presentation, delegates will be able to:**

- Gain an overview of the new provincially funded insulin pump program in Alberta
- Identify criteria that must be met to qualify for insulin pump funding
- Identify approved insulin pump clinics
- Understand the referral process

**Question and Answer**

2:50 – 3:10 pm

**Break**

3:10 – 4:45 pm

**PLENARY PANEL #4: Cerebral Palsy / Chronic Pain****a) Cerebral Palsy – Moving Forwards!****Dr. Matthew Prowse****Following this presentation, delegates will be able to:**

- Describe the spectrum of Cerebral Palsy reflected in the current consensus definition and profile of Cerebral Palsy in Canada
- Learn how classification systems of motor function inform prognosis and enable a ‘future-oriented’ approach in managing motor impairments
- Recognize the growing role for robotics and virtual reality in rehabilitation and how emerging technologies aim to further improve motor function for individuals with cerebral palsy

**b) Chronic Pain****Ms. Kathy Reid**

In this session Kathy Reid will discuss the importance of validating chronic pain in pediatrics and discuss key pharmacological, physical and psychological pain management approaches. Kathy will describe how to assess when and how to refer patients to the Stollery Chronic Pain clinic.

**Session Objectives:****Following this presentation, delegates will be able to:**

- Explain the importance of validating chronic pain in pediatric patients
- Describe key pharmacological, physical and psychological pain management approaches for pediatric patients
- Assess when and how to refer patients to the Stollery Chronic Pain clinic

**Question and Answer**

4:45 – 5:00 pm

**Day 1 Summary**

5:00 – 6:30 pm

**Reception**

# Schedule

## Saturday, September 21, 2013

### THEME: Ambulatory Issues

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7:30 – 8:30 am

#### Breakfast and Registration

8:30 – 9:00 am

#### OPENING PLENARY: Newborn Genetic Screening

##### Updates on Newborn Genetic Screening

##### Dr. Shailly Jain

In this session Shailly Jain will provide a brief overview of newborn genetic screening, including what conditions are currently being screened for and the initial management steps that could be lifesaving. Shailly will discuss updates on newborn screening and new conditions will be considered for the newborn screening panel.

##### Following this presentation, delegates will be able to:

- Understand what criteria needs to be met before a condition could be added to the newborn screening panel
- Understand initial management and the need for timely assessment
- Describe the resources available to pediatricians and families

##### Question and Answer

9:00 – 10:20 am

#### PLENARY PANEL #5: Hearing Screening & Speech and Language Disorders

##### a) Universal Newborn Hearing Screening: Where we are, and where we ought to be

##### Dr. Trina Uwiera

##### Following this presentation, delegates will be able to:

- Recognize the socio-economic, educational and medical cost of delayed diagnosis of hearing impairment
- Understand how Universal Newborn Hearing Screening differs from what is currently in place in Alberta
- Explain how Universal Newborn Hearing Screening is completed
- Articulate the benefits of Universal Newborn Hearing Screening

##### Question and Answer

##### b) Speech & Language Disorders

##### Dr. Lyn Sonnenberg

##### Ms. Grazia Dicker

Speech and language disorders can be complicated. In this session Lyn Sonnenberg and Grazia Dicker will provide guidelines on when and where to refer for assessment and intervention. Practical strategies and recommendations will be discussed to assist with responding to parent concerns/questions.

##### Following this presentation, delegates will be able to:

- Identify common red flags for speech and language problems in pediatric patients
- Explain when and where to refer patients for assessment and intervention
- Demonstrate practical language strategies for use with preschoolers in order to respond adequately to parent questions/concerns



# Schedule

## Saturday, September 21, 2013 *(continued)*

10:20 – 10:30 am

**Break**

10:30 – 11:20 am

**SHORT SNAPPERS: Acne / Vitamin D****a) Acne****Dr. Chris Keeling****Question and Answer****b) Vitamin D: Indications and Contraindications****Dr. Todd Alexander****Following this presentation, delegates will be able to:**

- Understand the physiology of vitamin D metabolism and actions
- Identify clinical situations, in particular those relevant to women and children, when vitamin D may be indicated or contraindicated

**Question and Answer**

11:20 am – 12:30 pm

**PLENARY PANEL #6: Heart Murmurs / Amblyopia****a) Murmurs in Children: Sorting out what's normal from what's not****Dr. Andrew Mackie**

In this session, Andrew Mackie will provide audio examples of common innocent and pathologic murmurs in children, as well as audio examples of other heart sounds including clicks and gallops.

**Following this presentation, delegates will be able to:**

- Recognize which clinical features help to distinguish innocent from pathologic murmurs in children
- Accurately counsel patients and parents regarding an innocent murmur

**b) Amblyopia and Other Ambulatory Eye Problems****Dr. Carlos Solarte**

In this session, Carlos Solarte will highlight the main features of amblyopia and some common eye care situations seen routinely among normal practices involving children. Dr. Solarte will also provide guidance in the correct identification of the pathology and adequate referrals.

**Following this presentation, delegates will be able to:**

- Understand proper diagnosis and identification of early visual problems
- Provide guidance after correct diagnosis of amblyopia in management, and referral process
- Identify the signs of complicated disease

**Question and Answer**

12:30 – 12:45 pm

**Closing Remarks**

12:45 – 1:15 pm

**Lunch to go**

# Speakers

## Todd Alexander



Dr. Alexander is a pediatric nephrologist at the Stollery Children's Hospital and associate professor in the Department of Pediatrics with an adjunct appointment to Physiology at the University of Alberta. Dr. Alexander completed a B.Sc. in biochemistry at Queen's University and then his MD at the University of Western Ontario. Training in pediatrics was completed at Memorial University in Newfoundland and his pediatric nephrology training at the Hospital for Sick Children, in Toronto. After this, he received a PhD in cell biology from the University of Toronto. He then completed a post-doctoral fellowship in renal tubular physiology at St. Radboud University in the Netherlands. The focus of Dr. Alexander's research is primary transport mechanisms by which the renal tubule regulates the body's electrolyte, acid/base and calcium balance. In particular he seeks to understand the molecular mechanisms responsible for altered tubular salt absorption leading to the development of hypertension and the related process of how perturbations in tubular calcium transport leads to kidney stones and osteoporosis. Dr. Alexander is the recipient of a Canadian Institute of Health Research, Clinician Scientist Phase II award and a Clinical Scientist Award from Alberta Innovates Health Solutions.

## Samina Ali



Dr. Samina Ali completed medical school and fellowship at McGill University and a pediatrics residency at Memorial. She has been a practicing pediatric emergency physician at the Stollery Children's Hospital in Edmonton for over ten years. During this time, she has been the program director for eight years. She developed a research program in acute pain assessment and management in the ED, approximately five years ago, and currently holds both provincial and federal funding for the study of oral analgesia (particularly opioids) for the treatment of fracture pain and quality indicators of ED pain management. She is delighted to be here today!

## Bryan J. Dicken



Dr. Bryan Dicken is a pediatric surgeon at the University of Alberta Hospital and an assistant professor at the University of Alberta beginning in August of 2009. He completed his doctor of medicine and master of science within the Department of Public Health Sciences and the Clinical Investigator Program. Dr. Dicken completed his general surgery residency at the University of Alberta. Dr. Dicken completed his subspecialty in pediatric general surgery at JW Riley Hospital for Children at Indiana University in Indianapolis. He returns with exposure to a variety of

techniques that includes advanced laparoscopic surgery and ECMO. His research interests include: congenital diaphragmatic hernia, novel therapeutics in the resuscitation of the newborn, intestinal rotational anomalies in children with complex congenital heart disease, and chest wall deformities. Dr. Dicken is currently the surgical liaison to the Children's Oncology Group at the University of Alberta and the surgical lead for the Children's Intestinal Rehabilitation Program (CHIRP). Dr. Dicken is the Chair of the Faculty of Medicine's focus group for Medicine 650 (Oral Standard Practical Examination – OSPE). Dr. Dicken received a startup grant from the Women and Children's Health Research Institute (WHCRI) for his work with Drs. Cheung and Bigam on neonatal resuscitation.

## Grazia Dicker



Grazia Dicker is a registered speech language pathologist with a master's degree in communication sciences and disorders. She has worked as a clinical speech-language pathologist for over 20 years providing services to children and their families at the Glenrose Rehabilitation Hospital. Her clinical interests focus on working collaboratively with preschoolers with complex issues, their families and community partners. She lives here in Edmonton with her husband and three children, and enjoys playing women's soccer in her spare time.

## Sukhdeep Dulai



Dr. Sukhdeep Dulai is an associate professor in the Divisions of Pediatric Surgery and Orthopaedic Surgery in the department of Surgery at the University of Alberta. Dr. Dulai completed her bachelor of science and doctor of medicine degrees at the University of Alberta, and in 2003 graduated from the orthopedic surgery residency training program there. Following her residency, she completed a fellowship in pediatric orthopedics at the Children's Hospital at Westmead in Sydney, Australia with a focus in limb deformity management. She then traveled to Vancouver to complete a second fellowship in pediatric orthopedics at British Columbia's Children's Hospital with a focus on neuromuscular disorders and hip reconstruction. She concurrently completed a master of health science in clinical epidemiology at the University of British Columbia.

Dr. Dulai joined the faculty of the University of Alberta in 2006 and, in addition to a clinical practice in pediatric orthopedics at the Stollery Children's Hospital and Glenrose Rehabilitation Hospital, she is involved in numerous clinical research projects relating to the management of children with musculoskeletal injury/disorders and childhood gait abnormalities.

# Speakers *(continued)*

## Shailly Jain



Dr. Shailly Jain completed her medical degree at University of Western Ontario, London, Ontario and then proceeded to Royal College accredited medical genetics residency at University of Toronto. She further specialized in biochemical genetics, also at the University of Toronto, and obtained certification with the Canadian College of Medical Genetics for both clinical genetics and biochemical genetics. Her research interests include newborn screening and liver transplantation for inborn errors of metabolism.

## Andrew Mackie



Dr. Andrew Mackie obtained his MD in 1993 from Queen's University. He completed pediatric residency training at Queen's followed by a cardiology fellowship at Children's Hospital Boston and a master of science in epidemiology from Harvard University. He was a staff cardiologist at the Montreal Children's Hospital for four years and then relocated to the Stollery Children's Hospital in 2007.

Dr. Mackie's research interests are 1) improving the process of transfer and transition from pediatric to adult health care, and 2) health care resource utilization among children and adults with congenital heart disease. Dr. Mackie is the program director of the pediatric cardiology residency training program at the University of Alberta. He also serves as secretary-treasurer of the Canadian Pediatric Cardiology Association.

## Tarek Motan



Dr. Tarek Motan is currently an associate professor in the Department of Obstetrics and Gynaecology at the University of Alberta. He is in the Division of Reproductive Endocrinology and Infertility. He received his medical degree from the University of Cape Town in 1990 and obtained his certificate in family medicine from the Canadian College of

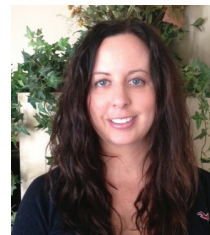
Family Physicians in 1998. He subsequently completed a fellowship in obstetrics and gynaecology at the University of Alberta in 2003. He then completed a fellowship in reproductive endocrinology and infertility at the University of Toronto in 2005. Since joining the faculty at the University of Alberta in 2005 he has pursued clinical research and completed a masters in public health in 2011. He is involved in student and resident education. His clinical and research interests include pediatric and adolescent gynaecology, assisted reproduction technology, fertility preservation, and polycystic ovarian syndrome.

## Matthew Prowse



Dr. Matthew Prowse completed his residency in physical medicine in 2008 and rehabilitation and fellowship in pediatric rehabilitation medicine in 2010 at the University of Alberta. He has been practicing pediatric and adult physical medicine and rehabilitation at the Glenrose Rehabilitation Hospital since 2010 with interests in cerebral palsy, brain injury, congenital and acquired limb differences, bracing, spina bifida and spinal cord injury, Botox, intrathecal baclofen pump therapy, and ultimate frisbee. With all of his free time he has recently accepted the role of program director for the Physical Medicine and Rehabilitation residency program at the University of Alberta.

## Marcey Rawlake



Marcey Rawlake is a registered nurse and certified diabetes educator. She has worked at the Stollery Pediatric Diabetes Education Centre for eight years, and previously worked in the Pediatric Medicine unit at the Stollery and the Pediatric Ambulatory Clinic at the Alexandra Hospital. She also has ten years experience working with children on insulin pumps at summer camps, in Maine from 2003-2007 and at the Diabetes Camp in Bragg Creek from 2009-2012.

## Kathy Reid



Kathy Reid is a nurse practitioner with the Pediatric Chronic Pain Service, Stollery Children's Hospital in Edmonton, Alberta. Her research interests include exploring treatment expectations of parents whose children have chronic pain, peer relationships in teens with chronic pain, and the use of arts and narrative therapy in pediatric chronic pain. She currently co-chairs the Stollery Pediatric Pain Management committee and is the past chair of the Nursing Issues-Special Interest Group, Canadian Pain Society. She is the 2011 recipient of the Canadian Pain Society Nursing Excellence in Pain Management award. Kathy has presented at numerous symposiums locally, nationally and internationally. She is actively involved in the Stollery Family Centred Care Network.

# Speakers *(continued)*

## Lawrence Richer



Dr. Lawrence Richer is an associate professor in the Division of Neurology, Department of Pediatrics, University of Alberta. He is a pediatric neurologist with clinical and research interests in headache and disorders of the autonomic nervous system. His research program has focused on the acute treatment of migraine and migraine-related disorders

in the emergency department. His clinical practice specializes in the management of children with various primary and secondary headache disorders as well as migraine equivalents such as cyclical vomiting syndrome. In addition, he is director of the Pediatric Autonomic Laboratory at the Stollery Children's Hospital where autonomic function in various conditions including migraine is investigated for clinical and research purposes. He is also associate director of the Women and Children's Health Research Institute and Associate Dean for the Faculty of Medicine and Dentistry Health Informatics, University of Alberta.

## Joan Robinson



Dr. Joan Robinson grew up on a farm on the Cottonwood Road near Innisfail, Alberta. She graduated from medical school at the University of Alberta in 1983, interned at the Royal Columbian Hospital in New Westminster, did a year of general practice locums, and then completed her pediatrics residency at BC Children's Hospital. She returned to Edmonton in

1989 to train in pediatric infectious diseases and has been on staff at the University of Alberta Hospital since 1991. She is currently program director for the Pediatric Infectious Diseases training program, chair of the Pediatric Trainee Research Committee, electives coordinator for Undergraduate Medical Education, chair of the Canadian Pediatric Society Infectious Diseases & Immunization Committee, senior assistant editor for *Pediatrics & Child Health*, and co-editor-in-chief for *Evidence Based Child Health: A Cochrane Review Journal*. She loves teaching trainees, doing research to try to answer practical questions, but most of all seeing patients.

## Carlos Solarte



Dr. Carlos Solarte attended medical school at the Universidad del Cauca in Popayan, Colombia. He then went on to complete his residency in ophthalmology at the Hospital for Sick Kids in Toronto, Ontario. Dr. Solarte has gone on to build a diverse, successful career as a pediatric ophthalmologist, now having 15 years of experience in the field. Dr. Solarte has held

several distinguished positions throughout the years. He is the former medical director of Flying Eye Hospital, ORBIS International, providing treatment and hands on training to improve access to quality eye care in developing countries. He also held a position as senior consultant at King Khaled Eye Specialist Hospital in the Kingdom of Saudi Arabia. Currently, Dr. Solarte is an assistant clinical professor at the University of Alberta, and a consultant with Alberta Health Services, both in the Department of Pediatric Ophthalmology at the Stollery Children's Hospital and the Regional Eye Centre at the Royal Alexandra Hospital.

## Lyn Sonnenberg



Dr. Lyn Sonnenberg is a neurodevelopmental pediatrician at the Glenrose Rehabilitation Hospital and Stollery Children's Hospital, where she is the medical director for the 123 Go! Program. Her clinical interests lie with the toddler and preschool population, working in the realm of early diagnosis and intervention, and with children who have physical disabilities. Her medical training

was completed at McMaster, her residency in pediatrics at Dalhousie and her fellowship in developmental pediatrics at the University of Toronto. She was recruited to the University of Alberta from Sick Kids and is the program director for the Developmental Pediatrics Fellowship Program at the U of A. Lyn is currently an assistant professor and clinician educator in the Faculty of Medicine & Dentistry and is pursuing her master of education in health sciences education at the U of A. She is married and has three children as well as a new little puppy named Peanut Butter.



# Speakers *(continued)*

## Justine Turner



Dr. Justine Turner is a pediatric gastroenterologist and associate professor at the University of Alberta. Dr. Turner is originally from Perth, Western Australia, where she completed her general pediatrics training in 1996. She followed this with seven years of sub-specialty training in pediatric gastroenterology and nutrition, including a two-year fellowship at the Hospital for Sick Children, and six years of nutrition-related research training, with completion of a PhD in Clinical Nutrition in 2006.

Dr. Turner's research interests include infant and adolescent nutrition, the effect of chronic gastrointestinal diseases on nutrition, specifically bone accrual, and intestinal failure secondary to neonatal short bowel syndrome. She is medical lead for the Pediatric Home Nutrition Support Program and the Multidisciplinary Celiac Disease Clinic in Edmonton. She has served on the Nutrition Committee for the North American Society of Pediatric Gastroenterology and Hepatology & Nutrition and currently is vice chair of the Research Committee for the American Society for Parenteral and Enteral Nutrition.

## Trina Uwiera

Dr. Trina Uwiera is a pediatric otolaryngologist with a special interest in hearing loss and auditory rehabilitation. She completed her undergraduate training at the University of Saskatchewan and her residency in otolaryngology – head & neck surgery at the University of Alberta. Following the completion of her fellowship in pediatric otolaryngology at Cincinnati Children's Hospital Medical Center, she returned to Edmonton as a pediatric surgeon at the Stollery Children's Hospital in 2006. Since then she has completed a masters in education at the University of Alberta while maintaining an active pediatric otolaryngology practice across the full range of the specialty. As a pediatric cochlear implant surgeon she has the immense pleasure of playing a part in the rehabilitation of hearing in children with profound deafness.

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