

Faculty Advisor to Residents: Dr. Tayyab Khan, Western University
Resident Representative: Dr. Joshua Low, Dalhousie University

Program Speakers: Dr. Carly Baxter, Dalhousie University
Dr. Christopher Kovacs, Memorial University
Dr. Shirl Gee, Dalhousie University
Dr. Arati Mokashi, Dalhousie University
Dr. Ali Imran, Dalhousie University
Dr. Ferhan Siddiqi, Dalhousie University
Dr. Thomas Ransom, Dalhousie University

Meet-the-Professors: Dr. Vicki Munro, Dalhousie University
Dr. David Clarke, Dalhousie University
Dr. Barna De, Dalhousie University

Overall Learning Objectives

At the end of this session, participants will be able to:

- Describe the hormonal changes which accompany normal male and female puberty;
- Describe the signs, symptoms, and diagnostic work up for acromegaly;
- Describe the hormonal changes that accompany the menopausal transition;
- Describe the pathophysiology of CAH due to 21 hydroxylase, 11 Betahydroxylase, and 3 Betahydroxy Steroid Dehydrogenase deficiencies;
- Review the basic diagnostic pathway for evaluating hypocalcemia; and
- Describe the case for and against the use of Metformin as first line therapy for people living with diabetes and established atherosclerotic cardiovascular disease.

PROGRAM

All times are Atlantic Time. Each presentation includes a live Q&A discussion.

8:00 am – 8:25 am	Registration and Breakfast
8:25 am – 8:30 am	Introduction and Opening Remarks Dr. Tayyab Khan, Dr. Joshua Low
<i>Didactic Program</i>	
8:30 am – 9:15 am	Topic #1 – Physiology of Puberty Dr. Carly Baxter At the end of this presentation, participants should be able to: • Describe the hormonal changes which accompany normal male and female puberty; • Describe the clinical changes and their normal progression, as they relate to the underlying hormonal changes; • Describe the differential diagnosis, indications and treatment options for delayed puberty; • Describe the differential diagnosis and management considerations for precocious puberty.
9:20 am – 10:05 am	Topic #2 – Hypoparathyroidism: Calcium Crash Course Variant Dr. Christopher Kovacs At the end of the session, attendees will be able to: • Review the basic diagnostic pathway for evaluating hypocalcemia; • Describe the differential diagnosis of hypocalcemia including the following conditions: • Primary hypoparathyroidism • Pseudohypoparathyroidism • Distinguish between Pseudohypoparathyroidism and Pseudopseudohypoparathyroidism; • Describe a treatment approach to hypocalcemia in the outpatient setting, including Hypocalcemia refractory to usual oral treatment regimens.
10:05 am – 10:15 am	Break
10:15 am – 11:00 am	Topic #3 – Menopause: Transition and Treatment Dr. Shirl Gee At the end of this presentation, participants should be able to: • Describe the hormonal changes that accompany the menopausal transition; • Describe the indications and side effects for hormone replacement therapy; • Describe alternatives to HRT.



11:05 am – 11:50 am	Topic #4 – Congenital Adrenal Hyperplasia (CAH) Dr. Arati Mokashi At the end of this presentation, participants should be able to: - Describe the pathophysiology of CAH due to 21 hydroxylase, 11 Betahydroxylase, and 3 Betahydroxy Steroid Dehydrogenase deficiencies; - Describe the disease manifestations of non-classical versus classical forms of CAH due to 21 hydroxylase deficiency; - Describe goals of treatment of CAH due to 21 hydroxylase deficiency including how they are different in children versus adults; - Describe treatment of CAH due to 21 hydroxylase deficiency during pregnancy.
11:50 pm – 12:50 pm 12:00 pm – 12:40 pm	Lunch Resident Council Meeting
12:50 pm – 12:55 pm	Overview of Afternoon: Didactic Hot Topic & Meet-the-Professor Sessions Dr. Tayyab Khan, Dr. Joshua Low
12:55 pm – 13:40 pm	Topic #5 – Pituitary: Acromegaly Dr. Ali Imran At the end of this presentation, participants should be able to: - Describe the signs, symptoms, and diagnostic work up for acromegaly; - Describe the choice of treatment based on underlying pathology of acromegaly; - Describe situations in which medical therapy may be preferred over surgical therapy.
13:45 pm – 14:30 pm	Topic #6 – DEBATE: Is Metformin Still the First Line Therapy for People Living with Diabetes and Established Atherosclerotic Cardiovascular Disease? Dr. Ferhan Siddiqi (for metformin) Dr. Thomas Ransom (against metformin)
14:30 pm – 14:40 pm	Break
<i>Meet-the-Professor Small Group Discussion</i>	
14:40 pm – 16:10 pm	Ongoing surveillance for small (2cm) nodules with papillary carcinomas Dr. Vicki Munro Cystic pituitary lesions and yttrium Dr. David Clarke Closed Loop Insulin Pumps Dr. Barna De Resident Choice Topic (residents will be assigned a group and will attend all three 30-minute MTP sessions, moving to a separate room for each presentation)

Doors open at 17:30 Trivia starts at 18:00 (space is limited; registration required)	Residents' Day – Trivia Night The Old Triangle Irish Alehouse Seanchai Room 5136 Prince Street Halifax, Nova Scotia, B3J 1L4
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