

The background of the slide is a light blue color with a complex, abstract wireframe pattern. This pattern consists of numerous thin, light-colored lines that intersect to form a mesh-like structure. The lines vary in thickness and orientation, creating a sense of depth and movement. The overall effect is reminiscent of a stylized, futuristic architectural or biological structure, possibly representing neural pathways or a molecular model. The text is overlaid on this background.

Continuing Medical Education Program

Nutritional and Environmental Influences on Neurodevelopment

February 22, 2020

Dalla Lana School of Public Health, Toronto

Nutritional and Environmental Influences on Neurodevelopment

Program description

This continuing medical education program examines the current evidence for nutritional support of healthy neurodevelopment in children, with a focus on the influences of internal (nutrition, microbiome) and external (environmental) health.

Factors contributing to the increase in autism spectrum and other neurodevelopmental disorders include environmental toxicants, alterations in the development of the microbiome, immune dysregulation, and oxidative stress. There is an ever-increasing volume of research literature that identifies plausible nutritional interventions and disease prevention strategies.

The material being presented is designed to enhance health care providers knowledge of neurodevelopmental conditions. Various levels of evidence are presented for evaluation and discussion, to improve communication with patients regarding health promotion, disease prevention and preferences for treatment.

Target audience

Family physicians; Child and adolescent health specialists; Psychiatrists and mental health professionals; Maternity and newborn care providers; Nurse practitioners; Naturopathic doctors; Pharmacists; Students of health sciences programs.

Learning objectives

At the conclusion of this activity, participants will be able to:

- Identify nutritional and environmental factors influencing neurodevelopment, and explain how these factors can be modified for disease prevention.
- Describe specific biochemical interactions and metabolic pathways that are affected by nutrient deficiencies and neurotoxic molecules.
- Evaluate current research literature pertaining to the microbiome and nutritional intervention in Autism spectrum disorder.
- Communicate more knowledgeably with patients about the influences of prenatal health and early nutrition on neurodevelopmental outcomes.

Registration fee

Medical professionals	\$295.00
CSOM/ISOM members	\$245.00
Individual live streaming	\$295.00
Students and residents	\$50.00 * (Application fee)

* Scholarship application fee refundable upon attendance

Registration includes lunch, refreshments and program materials

Contact info@isom.ca for additional information and group registration options

Nutritional and Environmental Influences on Neurodevelopment

Registration - <https://isom.ca/event/neuro-2020/>

Accreditation

This 1-credit-per-hour group learning program has been certified by the College of Family Physicians of Canada for up to 6.25 Mainpro+ credits.

Schedule

09:00	Introduction
09:15	Section 1 Children and Environmental Medicine
11:15	Section 2 The Microbiome and Implications for Brain Health
13:00	Lunch
14:00	Section 3 Nutritional Intervention in Primary Care
16:15	Interactive Discussion
17:15	Program Evaluation and Adjournment

Presenter

John Gannage, MD, CCFP, is the founder and current medical director of Markham Integrative Medicine, where he focuses on providing biomedical therapies for children and families affected by autism and developmental disorders. Dr. Gannage graduated from University of Toronto Medical School in 1990, and completed his residency in family medicine at the University of Ottawa. Dr. Gannage is a longstanding practitioner of Complementary and Alternative Medicine (CAM), receiving specialized training in chelation therapy, oxidative medicine, and functional medicine. He is a Defeat Autism Now (DAN!) clinician, and has completed multiple modules for the Medical Academy of Pediatric Special Needs (MAPS) as a fellowship candidate since 2012.

Planning committee members

Rose Bilotta, MD, MHSc, CCFP, FRCPC, IFMCP
Selena Faiers, MD, CFPC
Adam Gavsie, MD, CFPC, ABIHM ABOIM

Location

Dalla Lana School of Public Health, University of Toronto
6th Floor auditorium – 155 College St, Toronto, ON, M5T 3M7



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ORTHOMOLECULAR MEDICINE

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