

TRAITEMENTS CONTEMPORAINS DES GLIOMES

DE L'APPROCHE MOLÉCULAIRE AUX TRAITEMENTS CHIRURGICAUX
26 MAI 2023

MODERN MANAGEMENT OF GLIOMAS

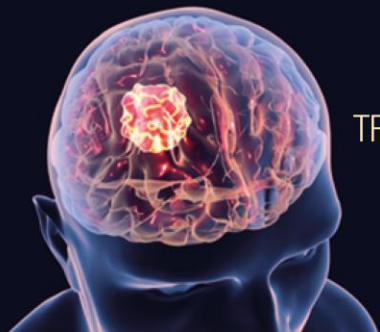
INNOVATIVE MOLECULAR AND SURGICAL APPROACHES
MAY 26th, 2023

CHU SAINTE-JUSTINE

Program

All presentations will be given in English

7:30 – 8:00	Registration and breakfast
8:00 – 8:10	Welcoming address <i>Dr Dominic Venne Neurosurgeon, Chief of Surgery CHU Sainte-Justine</i> <i>Dr Alexander G. Weil Pediatric neurosurgeon, CHU Sainte-Justine & CHUM</i>
MORNING SESSION	
Gliomas: the recent revolution in their classification and treatments: Part I Modérateur : Christina Coleman / Pediatric Neuro-oncologist, Montreal Children's Hospital <i>At the end of the presentations, the participant will be able to:</i> <ul style="list-style-type: none"> Understand molecular biology and classification of adult and pediatric gliomas; Determine the role of WHO classification in the molecular era; Identify new chemotherapies for molecular signaling pathways and their role in the treatment of pediatric gliomas. 	
8:10 - 8:30	Diagnostic and molecular biology of adult gliomas <i>Romain Cayrol Neuropathologist, CHUM</i>
8:30 - 8:50	Diagnostic and molecular biology of pediatric gliomas <i>Zesheng Chen Neuropathologist, CHU Sainte-Justine</i>
8:50 - 9:10	Targeted therapies for pediatric gliomas <i>Sébastien Perreault Neuro-oncologist, CHU Sainte-Justine</i>
9:10 - 9:30	Innovative therapies for adult gliomas <i>Karine Michaud Neurosurgeon, CHU de Québec</i>
9:30 - 9:50	Case discussion with expert panel & Questions
9:50 - 10:20	Pause and visit vendors
How to optimize vital and functional prognosis: Part 1 Moderator: Karine Michaud Neurosurgeon, CHU de Québec <i>At the end of the presentation, the participant will be able to:</i> <ul style="list-style-type: none"> Understand the role of awake surgery and the data which supports its use; Deepen the knowledge concerning the concept and techniques used in awake surgery; Understand usefulness of connectomics to optimize the outcome in glioma resection. 	
10:20 – 10:50	From Lesionectomy to Supramarginal Resection: the role of awake surgery <i>John Sinclair Neurosurgeon, The Ottawa Hospital</i>
10:50 – 11:20	Connectomics to reduce the cognitive footprint of glioma surgery <i>Michael Sughrue Neurosurgeon, Prince of Wales</i>
11:20 – 11:50	Case discussion with expert panel & Questions
11:50 - 13:00	Lunch



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AFTERNOON SESSION

Gliomas: the recent revolution in their classification and treatments: Part II

Moderator: Pascal Lavergne | Neurosurgeon, HSC

At the end of the presentations, the participant will be able to:

- Understand the new therapeutic strategies used in radiotherapy;
- Identify novel therapies for the treatment of malignant adult and pediatric gliomas;
- Become familiar with studies on "Electrotherapy for anaplastic gliomas" and its efficacy.

13:00 – 13:20 **The Future of Radiotherapy in Glioma Management**
David Roberge | Radio-oncologist, CHUM

13:20 – 13:40 **Opening of the brain-blood barrier and innovatives approaches**
David Fortin | Neurosurgeon, CHUS

13:40 – 14:00 **Tumor Treating Fields in Glioma Management: A Canadian Perspective**
David Roberge | Radio-oncologist, CHUM

14:00 – 14:40 **Case discussion with expert panel & Questions**

14:40 – 15:00 **Pause and visit vendors**

How to optimize vital and functional prognosis: Part 2

Moderator: Claude-Édouard Châtillon | Neurosurgeon, CHRTR

At the end of the presentations, the participant will be able to:

- Identify the advantages and limitations 5-ALA in the resection of gliomas;
- Identify the role and the benefits of multi-modal optical spectroscopy for glioma resection;
- Understand the indications and limits of laser thermoablation for glioma treatment.

15:00 - 15:20 **5-Aminolevulinic acid (5-ALA) for enhanced surgical visualization of high-grade gliomas**
John Sinclair | Neurosurgeon, The Ottawa Hospital

15:20 - 15:40 ***In Situ* Brain Cancer Detection Using the Raman Spectroscopy Sentry System**
Kevin Petrecca | Neurosurgeon, McGill University Health Centre

15:40 - 16:10 **Minimally invasive approaches: Laser ablation and emerging modalities**
Michael Edward Ivan | Neurosurgeon, University of Miami

16:10 - 16:50 **Case discussion with expert panel & Questions**

16:50 **Closing Remarks**