

ISPN 2024 Pre-Congress Course 2:

ISPN Update in Pediatric Neuro-Oncology: Impact of Molecular Diagnosis on Surgical and Medical Treatment Approaches in 2024

Date: Sunday, October 13, 2024

Time: 14:00 - 19:00

Course Directors: Peter Dirks, James Rutka

Pediatric neuro-oncology has seen a revolution in molecular diagnosis over the past 10 years. It is truly imperative that not only oncologists but also surgeons incorporate these molecular insights into clinical decision making. In this course, we will give an overview of the molecular pathology of pediatric brain tumours and will discuss how this new information fits into best practice clinical decision making for a number of key tumour types. We will discuss controversies and give insights into the future for surgical and medical care of young people with brain tumours.

Learning objectives:

1. To become up to date with current molecular diagnosis of pediatric brain tumours.
2. To learn to apply molecular diagnosis to medical and surgical decision making.
3. To better see the opportunities for Clinical Trials in pediatric neuro-oncology

Course Program:

- 14:00 – 14:05 Introduction and Welcome, **Peter Dirks**
- 14:05 – 14:45 Molecular Pathology of Pediatric High Grade and Low Grade Glioma, **Adrian Levine**
- 14:45 – 15:15 Pediatric Low Grade Glioma and Emerging Therapies, **Uri Tabori**
- 15:15 – 15:45 Adolescent and Young Adult Neuro-Oncology, **Julie Bennett**
- 15:45 – 16:15 Novel therapies and Clinical Trials for Pediatric Brain Tumours, **Anirban Das**
- 16:15 – 16:30 Break
- 16:30 – 17:00 Update in Medulloblastoma and Ependymoma, **Vijay Ramaswamy**
- 17:00 – 17:30 Medulloblastoma Surgery in the Era of Subgrouping, **Christian Dorfer**
- 17:30 – 18:00 Surgery for Ependymoma: the State of the Art, **Michael Dewan**
- 18:00 – 18:30 Controversies in Craniopharyngioma Management: Where are we now? **Jennifer Quon**
- 18:30 – 19:00 Management of Germ Cell Tumours in 2024, **Anthony Liu**
- 19:00 Wrap Up, **James Rutka and Peter Dirks**