



PBII

Pediatric Biomedical
Imaging Initiative

Pediatric Neuro-Oncologic Imaging Course

October 28-30, 2022

Better Imaging. Better Outcomes.

Pediatric Neuro-Oncologic Imaging Course



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Marlo Thomas Center Lecture Hall

FRIDAY	PRESENTATION TITLE	SPEAKER
8:00 am – 8:10 am	Welcome & Introduction	Noah Sabin, MD, JD
8:10 am – 8:50 am	Keynote: St. Jude Mission – Past, Present Future	Terrence L. Geiger, MD, PhD
8:55 am – 9:25 am	2021 WHO Classification of Pediatric CNS Tumors – New concepts	David Ellison, MD, PhD, FRCP, FRCPath, FRCPC
9:30 am – 10:00 am	State-of-the-Art Radiation Therapy of Pediatric CNS Tumors	John T. Lucas, MS, MD
10:00 am – 10:10 am	Break	
10:10 am – 10:35 am	Principles of Immunotherapy in Pediatric CNS Tumors	Stephen Gottschalk, MD
10:40 am – 11:25 am	Response Assessment in Pediatric CNS Tumors	Asim Bag, MBBS, MD, EDiNR
11:25 am – 11:55 am	Lunch	
12:00 pm – 1:30 pm	Danny Thomas Lecture Series	
1:30 pm – 2:00 pm	The Ongoing Treatment Revolution of Pediatric CNS Tumors	Giles Robinson, MD
2:05 pm – 2:35 pm	Acute And Sub-Acute CNS Side-Effects of Cancer Therapy	Soniya N. Pinto, MBBS
2:40 pm – 3:10 pm	CNS Side-Effects of Cancer Treatment: Late Effects	Noah D. Sabin, MD, JD
3:15 pm – 3:45 pm	Diffusion Imaging of Pediatric Brain Tumors	Tina Y. Poussaint, MD
3:45 pm – 3:55 pm	Break	
3:55 pm – 4:25 pm	Perfusion Imaging of Pediatric Brain Tumors	Arastoo Vossough, MD, PhD
4:30 pm – 5:00 pm	MR Spectroscopy in Pediatric Brain Tumors	Benita Tamrazi, MD
5:05 pm – 5:35 pm	Molecular Imaging in Pediatric CNS Tumors	Barry L. Shulkin, MD
5:40 pm – 6:10 pm	The Imager and the Oncologist: Illustrative Cases	Amar Gajjar, MD
6:15 pm – 7:00 pm	Course Reception	

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SATURDAY	PRESENTATION TITLE	SPEAKER
8:00 am – 8:10 am	Welcome	Asim Bag, MBBS, MD, EDiNR
8:10 am – 8:25 am	Gliomas: Pathology Overview	Jason Chiang, MD, PhD
8:30 am – 8:45 am	Pediatric-Type Diffuse Low-Grade Gliomas: Pathology	Jason Chiang, MD, PhD
8:50 am – 9:20 am	Pediatric-Type Diffuse Low-Grade Gliomas: Imaging	Asim Bag, MBBS, MD, EDiNR
9:25 am – 9:40 am	Pediatric-Type Diffuse Low-Grade Gliomas: Clinical Management	Aditi Bagchi, MD, PhD
9:40 am – 10:00 am	Break	
10:00 am – 10:15 am	Pediatric-Type Diffuse High-Grade Gliomas: Pathology	Brent Orr, MD, PhD
10:20 am – 10:50 am	Pediatric-Type Diffuse High-Grade Gliomas: Imaging	Tina Y. Poussaint, MD
10:55 am – 11:10 am	Pediatric-Type Diffuse High-Grade Gliomas: Clinical Management	Santosh Upadhyaya, MD
11:15 am – 12:30 pm	Lunch	
12:30 pm – 12:45 pm	Circumscribed Astrocytic Tumors: Pathology	Jason Chiang, MD, PhD
12:50 pm – 1:20 pm	Circumscribed Astrocytic Tumors: Imaging	Arastoo Vossough, MD, PhD
1:25 pm – 1:40 pm	Circumscribed Astrocytic Tumors: Clinical Management	Daniel Moreira, MD, MEd
1:45 pm – 2:00 pm	Ependymal Tumors: Pathology	Brent Orr, MD, PhD
2:05 pm – 2:35 pm	Ependymal Tumors: Imaging	Noah D. Sabin, MD, JD
2:40 pm – 2:55 pm	Ependymal Tumors: Clinical Management	Kelsey C. Bertrand, MSc, MBBS, FAAP
2:55 pm – 3:15 pm	Break	
3:15 pm – 3:30 pm	Glioneuronal and Neuronal Tumors: Pathology	Jason Chiang, MD, PhD
3:35 pm – 4:05 pm	Glioneuronal and Neuronal Tumors: Imaging	Sumit Pruthi, MBBS
4:10 pm – 4:25 pm	Glioneuronal and Neuronal Tumors: Clinical Management	Anna Vinitsky, MD, MS
4:30 pm – 5 :00 pm	Imaging Correlates of Molecular Tumor Marker: Gliomas	Asim Bag, MBBS, MD, EDiNR

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SUNDAY	PRESENTATION TITLE	SPEAKER
8:00 am – 8:10 am	Welcome	Noah D. Sabin, MD, JD
8:10 am – 8:25 am	Embryonal Tumors: Pathology	Brent Orr, MD, PhD
8:30 am – 9:10 am	Embryonal Tumors: Imaging	Thierry A.G.M. Huisman, MD, PD, FICIS, FACR
9:15 am – 9:30 am	Embryonal Tumors: Clinical Management	Santosh Upadhyaya, MD
9:35 am – 10:05 am	Imaging Of Metastasis	Asim Bag, MBBS, MD, EDiNR
10:05 am – 10:15 am	Break	
10:15 am – 10:35 am	Imaging Of Histiocytoses in the CNS in Children and Adolescents	Noah D. Sabin, MD, JD
10:40 am – 10:55 am	Best Imaging Practices – Brain Imaging	Aashim Bhatia, MD, MS
11:00 am – 11:15 am	Best Imaging Practices – Spine Imaging	Asim Bag, MBBS, MD, EDiNR
11:20 am – 11:50 am	Image Gently: Contrast Agents and Sedation	Sumit Pruthi, MBBS
11:55 am – 12:25 pm	Case Presentations	Thierry A.G.M. Huisman, MD, PD, FICIS, FACR
12:30 pm – 1:10 pm	Lunch	
1:10 pm – 1:30 pm	Managing Pediatric Brain Tumor Patients	Kendri Herring
1:35 pm – 1:50 pm	Other Tumors (Pineal Region, Choroid Plexus, and Other Intraventricular Tumors): Pathology	Jason Chiang, MD, PhD
1:55 pm – 2:25 pm	Other Tumors (Pineal Region, Choroid Plexus, and Other Intraventricular Tumors): Imaging	Benita Tamrazi, MD
2:30 pm – 2:45 pm	Other Tumors (Pineal Region, Choroid Plexus, and Other Intraventricular Tumors): Clinical Management	Santosh Upadhyaya, MD
2:50 pm – 3:00 pm	Break	
3:00 pm – 3:20 pm	Imaging of Craniopharyngioma	Noah D. Sabin, MD, JD
3:25 pm – 3:50 pm	AI and Radiomics in the Evaluation of Pediatric CNS Tumors	Aashim Bhatia, MD, MS
3:55 pm – 4:25 pm	Cancer Predisposition Syndromes Associated with Development of CNS Tumors	Kim Nichols, MD
4:30 pm – 4:50 pm	Cancer Predisposition Syndromes: Imaging Challenges	Asim Bag, MBBS, MD, EDiNR
4:55 pm – 5:00 pm	Closing Remarks	Asim Bag, MBBS, MD, EDiNR

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SPEAKERS

Asim Bag, MBBS, MD, EDiNR

Associate Member, Faculty
Interim Chief, Neuro Imaging Section
Director, Pediatric Oncologic Imaging Education
Co-Sponsor, Pediatric Biomedical Imaging Initiative
Department of Diagnostic Imaging
St. Jude Children's Research Hospital

Aditi Bagchi, MD, PhD

Instructor
Department of Oncology
St. Jude Children's Research Hospital

Kelsey Bertrand, MBBS, MD

Assistant Member, Faculty
Department of Oncology
St. Jude Children's Research Hospital

Aashim Bhatia, MD, MS

Pediatric Neuroradiologist
Department of Radiology
Children's Hospital of Philadelphia

Jason Chiang, MD, PhD

Associate Member, Faculty
Department of Pathology
St. Jude Children's Research Hospital

David Ellison, MD, PhD

Member, Faculty
Chair
Department of Pathology
St. Jude Children's Research Hospital

Amar Gajjar, MD

Member, Faculty
Chair, Department of Pediatric Medicine
Co-chair, Department of Oncology
Director, Neuro-Oncology Division
Co-Leader, Neurobiology & Brain Tumor Program
Scott and Tracie Hamilton Endowed Chair in Brain Tumor Research
St. Jude Children's Research Hospital

Terrence L. Geiger, MD, PhD

Member, Faculty
Senior Vice President and Deputy Director for Academic and Biomedical Operations
St. Jude Endowed Chair in Pediatrics
St. Jude Children's Research Hospital

Stephen Gottschalk, MD

Member, Faculty
Chair
Department of Bone Marrow Transplant & Cellular Therapy
St. Jude Children's Research Hospital

Kendri Herring

Supervisor-MRI & CT
Interim Clinical Leader
Department of Diagnostic Imaging
St. Jude Children's Research Hospital

Thierry A.G.M. Huisman, MD, PD, FICIS, FACR

Radiologist-in-Chief
Chair
Department of Radiology
Texas Children's Hospital

John T. Lucas, Jr., MS, MD

Associate Member, Faculty
Department of Radiation Oncology
St. Jude Children's Research Hospital

Daniel Moreira, MD, MEd

Assistant Member, Faculty
Department of Oncology
Director, Global Professional Education
Co-Director, Global Neuro-Oncology Program
Department of Global Pediatric Medicine
St. Jude Children's Research Hospital

Kim Nichols, MD

Member, Faculty
Department of Oncology
St. Jude Children's Research Hospital

Brent Orr, MD, PhD

Associate Member, Faculty
Department of Pathology
St. Jude Children's Research Hospital

Soniya Pinto, MBBS

Instructor, Faculty
Department of Diagnostic Imaging
St. Jude Children's Research Hospital

Tina Young Poussaint MD, FACR

Professor of Radiology
Harvard Medical School
Lionel W. Young Chair in Radiology
Boston Children's Hospital

Sumit Pruthi, MBBS

Professor of Radiology and Radiological Sciences
Chief, Pediatric Neuroradiology
Pediatric Fellowship Program Director
Monroe Carell, Jr. Children's Hospital at Vanderbilt

Giles Robinson, MD

Associate Member, Faculty
Department of Oncology
St. Jude Children's Research Hospital

Noah D. Sabin, MD, JD

Associate Member, Faculty
Co-Chair, Pediatric Biomedical Imaging Initiative
Department of Diagnostic Imaging
St. Jude Children's Research Hospital

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SPEAKERS

Barry L. Shulkin, MD

Member, Faculty
Section Chief, Nuclear Medicine
Department of Diagnostic Imaging
St. Jude Children's Research Hospital

Benita Tamrazi, MD

Associate Professor of Clinical Radiology
Keck School of Medicine of USC
Director of Neuroradiology
Attending Physician
Children's Hospital of Los Angeles

Santosh Upadhyaya, MD

Assistant Member, Faculty
Department of Oncology
St. Jude Children's Research Hospital

Anna Vinitzky, MD

Assistant Member, Faculty
Department of Oncology
St. Jude Children's Research Hospital

Arastoo Vossough, MD, PhD, FASFR

Associate Professor of Radiology
University of Pennsylvania
Larissa T. Bilaniuk Endowed Chair in Pediatric Neuroradiology
Children's Hospital of Philadelphia