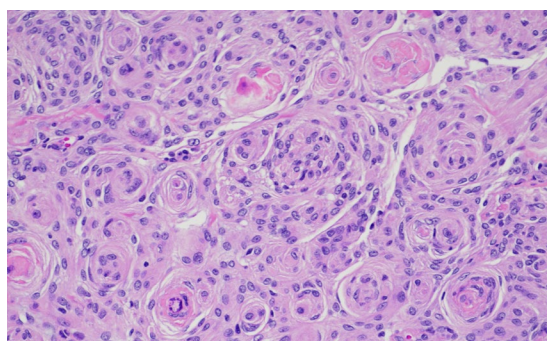
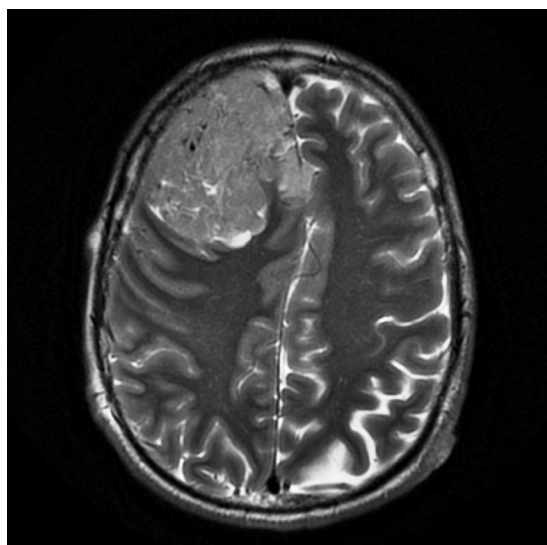


Inova Neuroscience
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presents:

37th Annual Neuroradiology and Neuropathology Review

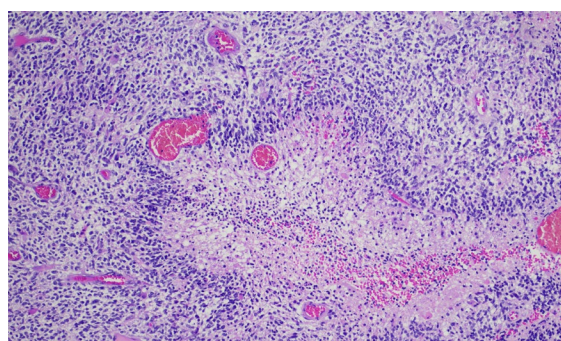
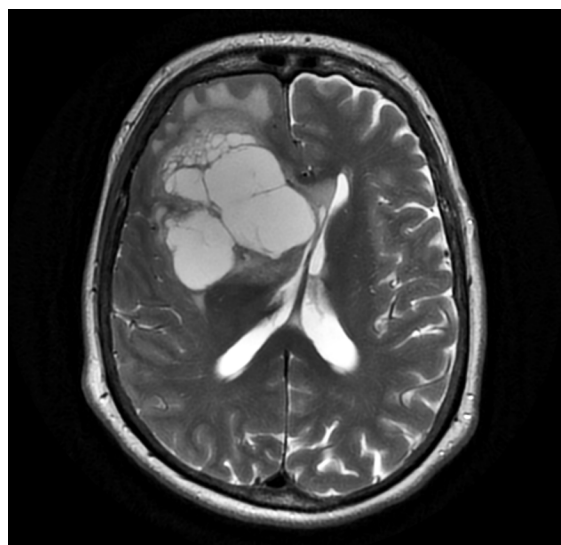
Smirniotopoulos Washington Neuroradiology Review

Monday, January 11 –
Tuesday, January 12, 2021



Dr. Kenneth M. Earle Memorial Neuropathology Review

Wednesday, January 13 –
Friday, January 15, 2021



www.inova.org/NPNRCME

VIRTUAL EVENT



Smirniotopoulos Washington Neuroradiology Review

Monday, January 11 – Tuesday, January 12, 2021

Monday, January 11, 2021

- 7:30 a.m. Problem-based Learning:
Review Unknown Case Group #1
- 7:55 a.m. Welcome & Administrative Opening Remarks
LTC Robert Shih, MD
- 8:00 a.m. Neuroimaging Tools for Differential Diagnosis:
Sequences, Edema, Contrast Enhancement
James Smirniotopoulos, MD
- 8:45 a.m. Glial Neoplasms and Tumor Markers —
What You Must Know
James Smirniotopoulos, MD
- 9:30 a.m. Review Problem-based Learning:
Unknown Case Group #1
- 9:45 a.m. Vascular Malformations
LTC Robert Shih, MD
- 10:30 a.m. CNS Trauma
James Smirniotopoulos, MD
- 11:15 a.m. CNS Infections
John Rees, MD
- 12:00 p.m. Case Group #1: Answers and Discussion
LTC Robert Shih, MD
- 1:15 p.m. Non-traumatic CNS Emergencies
C. Douglas Phillips, MD, FACR
- 2:00 p.m. Sella and Parasellar Masses
C. Douglas Phillips, MD, FACR
- 2:45 p.m. Break
- 3:00 p.m. Acute Stroke DX and TX
C. Douglas Phillips, MD, FACR
- 3:45 p.m. Extra-axial & Non-Glial Neoplasms
James Smirniotopoulos, MD
- 4:30 p.m. Spinal Neoplasms: Intradural
James Smirniotopoulos, MD
- 5:15 p.m. Daily Summary
LTC Robert Shih, MD
- 5:30 p.m. Adjourn

Tuesday, January 12, 2021

- 7:30 a.m. Problem-based Learning:
Review Unknown Case Group #2
- 8:00 a.m. Intraventricular Masses
LTC Robert Shih, MD
- 8:45 a.m. White Matter Diseases
LTC Robert Shih, MD
- 9:30 a.m. Anomalies of the CNS: Brain
John Rees, MD
- 10:15 a.m. Review Problem-based Learning:
Unknown Case Group #2
- 10:30 a.m. Anomalies of the CNS: Spine
John Rees, MD
- 11:15 a.m. Phakomatoses
James Smirniotopoulos, MD
- 12:00 p.m. Case Conference #2:
The Answers — Tying it All Together
LTC Robert Shih, MD
- 12:45 p.m. Break
- 2:00 p.m. Diseases of the Peripheral Nerves
Robert E. Schmidt, MD, PhD
- 3:00 p.m. Basics of Muscle Biopsy Interpretation
Robert V. Jones, MD
Iren Horkayne-Szakaly, MD
- 4:15 p.m. Break
- 4:30 p.m. Demyelinating Disease
Robert E. Schmidt, MD, PhD
- 6:00 p.m. Neuroscience Grand Rounds
- 8:00 p.m. Adjourn

Wednesday January 13, 2021

- 7:55 a.m. Welcome and Opening Remarks
Mahtab Tehrani, MD
- 8:00 a.m. Introduction to Neuropathology
Mahtab Tehrani, MD
- 9:00 a.m. Pediatric Neuropathology, Part 1
Angela Viaene, MD, PhD
- 10:00 a.m. Break
- 10:15 a.m. Pediatric Neuropathology, Part 2
Angela Viaene, MD, PhD
- 11:15 a.m. Biomarkers in Pediatrics and Young Adults
Jennifer Cotter, MD
- 12:00 p.m. Break
- 1:00 p.m. Clinical Correlations
Mahtab Tehrani, MD
- 2:00 p.m. Vascular Disease and Ischemic Lesions of the CNS
Declan McGuone, MB, BCh, FRCPath
- 3:00 p.m. Break
- 3:15 p.m. Correlation of Neuroradiology and Neuropathology, Parts 1-2
James Smirniotopoulos, MD
- 5:15 p.m. CNS Trauma
Mary E. Case, MD
- 6:15 p.m. Adjourn

Thursday, January 14, 2021

- 8:00 a.m. Toxic and Metabolic Diseases of the CNS
Kymberly A. Gyure, MD
- 8:45 a.m. Viral Infections and Other Immunodeficiency Disorders of the CNS
Kymberly A. Gyure, MD
- 9:45 a.m. Break
- 10:00 a.m. Bacterial Infections of the CNS
Bette Kleinschmidt-DeMasters, MD
- 11:00 a.m. Fungal and Parasitic Infections of the CNS
Bette Kleinschmidt-DeMasters, MD
- 12:00 p.m. Break
- 1:00 p.m. Clinical Correlations
Mahtab Tehrani, MD
- 2:00 p.m. Biomarkers in CNS Tumors
Arie Perry, MD
- 3:00 p.m. Meningiomas
Arie Perry, MD
- 3:30 p.m. Break
- 3:45 p.m. Pituitary Neoplasms
Arie Perry, MD
- 4:45 p.m. Spinal Cord Pathology
Ronald C. Kim, MD
- 6:00 p.m. Adjourn



Friday, January 15, 2021

8:00 a.m. Degenerative Diseases of the CNS
Matthew Cykowski, MD

10:00 a.m. Break

10:15 a.m. Glial Tumors I
Gregory N. Fuller, MD, PhD

11:15 a.m. Glial Tumors II
Gregory N. Fuller, MD, PhD

12:45 p.m. Break

1:45 p.m. Clinical Correlations
Mahtab Tehrani, MD

2:30 p.m. Embryonal, Neuronal and Mixed Glioneuronal Neoplasms
Alexander R. Judkins, MD

3:30 p.m. Break

3:45 p.m. Hematopoietic Lesions of the CNS, Germ Cell Tumors and Pineal Region Neoplasms
Mariarita Santi, MD, PhD

4:45 p.m. Non-glial Tumors
Martha Quezado, MD

6:00 p.m. Adjourn

A Five-Day VIRTUAL Course in Neuropathology & Neuroradiology

Learning Objectives

- Prepare for initial certification or re-certification of neurology, neurosurgery, neuroradiology, and neuropathology board exams
- Review and integrate principles of neuropathology and neuroradiology into diagnosis and treatment
- Discuss differential diagnoses of neurological abnormalities on imaging or histology
- Develop strategies to manage diseases of the brain, spine, and peripheral nerves

Registration

Early conference registration (before January 5, 2021):

- Full conference \$1,175
- Neuroradiology \$525
- Neuropathology \$975

Late conference registration (after January 5, 2021):

- Full conference \$1,275
- Neuroradiology \$625
- Neuropathology \$1,075

For more information, please contact Brittany Gallagher, Senior Meeting Planner, at Brittany.Gallagher@inova.org.

Register online at www.inova.org/NPNRCME

Please note program is subject to change.



Accreditation Statement

The Inova Office of Continuing Medical Education is accredited by the Medical Society of Virginia to provide continuing medical education for physicians.

Credit Designation

The Inova Office of Continuing Medical Education designates this live educational activity for a maximum of **48.25 AMA PRA Category 1 Credit(s)**[™].

Physicians should only claim credit commensurate with the extent of their participation in the activity. Physicians may claim up to **48.25** credits in Type 1 CME on the Virginia Board of Medicine Continued Competency and Assessment Form required for renewal of an active medical license in Virginia.





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Professor, Neurosurgery,
Virginia Commonwealth University

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Chief of Neuroradiology & MRI,
Walter Reed National Military Medical Center,
Uniformed Services University
of the Health Sciences

Mahtab Tehrani, MD

Director of Neuropathology,
Inova Fairfax Hospital

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Houston Methodist Hospital

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Professor and Chief Neuropathologist
MD Anderson Cancer Center

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Defense Health Agency

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Department of Neuropathology &
Ophthalmic Pathology, Joint Pathology
Center, Defense Health Agency

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Pathologist-in-Chief
Executive Director,
Center for Personalized Medicine
Department of Pathology &
Laboratory Medicine, CHLA
Professor (Clinical Scholar) & Vice Chair,
Department of Pathology
Keck School of Medicine of USC

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Director of Head and Neck Imaging
Weill Cornell Medicine
Department of Radiology –
New York- Presbyterian Hospital

Martha Quezado, MD

Deputy Head General Surgical Pathology
Section, Anatomic Pathology Residency
Program Director, Laboratory of Pathology,
National Cancer Institute/National Institutes
of Health

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Division of Neuroradiology
Associate Director of Neuro MRI
University of Florida College of Medicine

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Professor of Pathology and Lab Medicine
Perelman School of Medicine at the
University of Pennsylvania

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Director, Division of Neuropathology
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Professorial Lecturer,
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Chief Editor, MedPix®
National Library of Medicine

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Endowed Chair in Neuropathology
Department of Pathology and
Laboratory Medicine
Children's Hospital of Philadelphia

Nilesh Vyas, MD

Medical Director, Endovascular Surgery,
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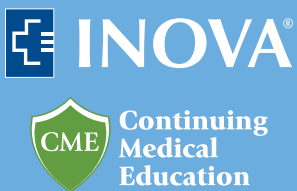
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2021 Smirniotopoulos Washington Neuroradiology Review

The conference provides radiologists, neurologists, neurosurgeons and pathologists with an update and review of current neuroradiology and neuroimaging topics. Participants can also discuss the latest techniques and concepts with faculty experts. This course is beneficial to neurologists, neurosurgeons, radiologists and pathologists preparing for examinations and MOC exams.

2021 Dr. Kenneth M. Earle Memorial Neuropathology Review

This comprehensive course offers high-level education to individuals who want to expand their knowledge about pathology in neurosciences. The course honors Kenneth M. Earle, MD, who created the continuing education program to help neurologists, neurosurgeons, radiologists and pathologists prepare for their board examinations.

This comprehensive, virtual five-day course begins with two days of neuroimaging followed by three days of neuropathology that offers high-level education to residents and physician participants who want to expand their knowledge about pathology and radiology in the neurosciences.

The target audience includes physicians, fellows or residents in neurology, neurosurgery, neuroradiology, neuropathology, radiology, or pathology practices wishing for an update before taking maintenance of certification (MOC); Neurology and neurosurgery residents preparing for residency in service examinations (RISE) or board examinations; Neuroradiology fellows and pathology residents and fellows; Pathologists who encounter surgical and autopsy neuropathology specimens; Practicing or training forensic pathologists.

VIRTUAL EVENT | Register online at www.inova.org/NPNRCME