



## COURSE DESCRIPTION

Kenneth M. Earle, MD, former Chair, Department of Neuropathology, initiated a course designed to prepare pathologists, neurologists, and neurosurgeons for specialty board certification. This is the 48<sup>th</sup> iteration, which is dedicated to his memory. The five-day course will provide a comprehensive review of neuropathology for individuals interested in the neurosciences and pathology. Lectures will be illustrated by gross and microscopic photographs using PowerPoint presentations, and will be supplemented by a course syllabus on CD.

## COURSE OBJECTIVE

Participants in this course will benefit by gaining:

- Enhanced knowledge of the pathology and recent developments in the pathophysiology of common and unique disorders of the central and peripheral nervous systems and skeletal muscle.
- Familiarization with recently recognized pathologic processes related to the central and peripheral nervous systems and skeletal muscle.
- Improved understanding of basic histopathologic, histochemical, immunohistochemical, and ultra-structural features of disorders of the central and peripheral nervous systems and skeletal muscle.
- Insight into clinical, radiologic and pathologic correlations, and prognostic factors of central nervous system lesions.

## PROGRAM

### MONDAY, 22 FEBRUARY 2010

- 7:00 - 8:00 Registration
- 8:00 - 8:15 Welcome  
*Elisabeth J. Rushing, COL, MC, USA*
- 8:15 - 9:30 Introduction to Neuropathology  
*Glenn D. Sandberg, MD*
- 9:30 - 10:30 New Methods of CNS Tumor Analysis  
*Paul E. McKeever, MD, PhD*
- 10:30-10:45 BREAK
- 10:45-12:15 Pituitary Neoplasms  
*Bernd W. Scheithauer, MD*
- 12:15 - 1:15 LUNCH BREAK
- 1:15 - 2:45 Astrocytomas  
*Bernd W. Scheithauer, MD*
- 2:45 - 3:45 Pathologic Analysis of CNS Surgical Specimens  
*Peter C. Burger, MD*
- 3:45 - 4:00 BREAK

- 4:00 - 5:00 Correlation of Neuroradiology and Neuropathology I  
*James G. Smirniotopoulos, MD*
- 5:00 - 6:00 Correlation of Neuroradiology and Neuropathology II  
*James G. Smirniotopoulos, MD*

### TUESDAY, 23 FEBRUARY 2010

- 8:00 - 9:30 Glial Neoplasms (Except Astrocytomas)  
*Joseph E. Parisi, MD*
- 9:30 - 10:30 Embryonal, Neuronal, and Mixed Glioneuronal Neoplasms  
*Alexander R. Judkins, MD*
- 10:30-10:45 BREAK
- 10:45-12:15 Non-Glial Neoplasms  
*Joseph E. Parisi, MD*
- 12:15 - 1:30 LUNCH BREAK
- 1:30 - 2:30 Hematopoietic Lesion of the CNS, Germ Cell Tumors and Pineal Region Neoplasms  
*Mariarita Santi, MD*
- 2:30 - 3:30 Pediatric Neuropathology I  
*Lucy B. Rorke-Adams, MD*
- 3:30 - 3:45 BREAK
- 3:45 - 4:45 Pediatric Neuropathology II  
*Lucy B. Rorke-Adams, MD*

### WEDNESDAY, 24 FEBRUARY 2010

- 8:00 - 9:00 Bacterial Infections of the CNS  
*Steven C. Bauserman, MD*
- 9:00 - 10:00 Fungal and Parasitic Infections of the CNS  
*Bette Kleinschmidt-DeMasters, MD*
- 10:00-10:15 BREAK
- 10:15-11:15 Viral Infections of the CNS (Excluding HIV)  
*Jorge A. Gutierrez, MD*
- 11:15-12:15 Neuropathology of AIDS  
*Carol K. Petito, MD*
- 12:15 - 1:30 LUNCH BREAK
- 1:30 - 2:30 Vascular Diseases of the CNS  
*Carol K. Petito, MD*
- 2:30 - 3:30 Ischemic Lesions of the Brain  
*Jorge A. Gutierrez, MD*
- 3:30 - 3:45 BREAK
- 3:45 - 5:15 Diseases of the Spinal Cord  
*Ronald C. Kim, MD*

### THURSDAY, 25 FEBRUARY 2010

- 8:00 - 9:30 Toxic and Metabolic Diseases of the CNS  
*Kymerly A. Gyure, MD*
- 9:30 - 11:00 Degenerative Disease of the CNS  
*Michael N. Hart, MD*
- 11:00-11:15 BREAK
- 11:15-12:15 CNS Trauma I  
*Mary E. Case, MD*
- 12:15 - 1:30 LUNCH BREAK
- 1:30 - 2:30 CNS Trauma II  
*Mary E. Case, MD*
- 2:30 - 4:00 Demyelinating Disease  
*Robert E. Schmidt, MD, PhD*
- 4:00 - 4:15 BREAK
- 4:15 - 5:45 Diseases of Peripheral Nerves  
*Robert E. Schmidt, MD, PhD*

## NEUROMUSCULAR SEMINAR

### FRIDAY, 26 FEBRUARY 2010

- 8:00 - 9:30 Approach to Patients with Neuromuscular Disease  
*Anthony A. Amato, MD*
- 9:30 - 9:45 BREAK
- 9:45 - 11:15 Basics of Muscle Biopsy Interpretation  
*Reid R. Heffner, Jr., MD*
- 11:15 -12:15 Muscular Dystrophies and Congenital Myopathies  
*Caroline Sewry, PhD, FRCPath*
- 12:15 - 1:15 LUNCH BREAK
- 1:15 - 2:15 Protein Aggregate and Mitochondrial Myopathies  
*Hans H. Goebel, MD*
- 2:15 - 3:15 Inflammatory Myopathies  
*Elisabeth J. Rushing, COL, MC, USA*

TOTAL CME: 36

## INFORMATION

For further information please contact:

**Course Coordinator: Ricky Giles**  
Department of Medical Education  
Armed Forces Institute of Pathology  
Washington, DC 20306-6000  
Tel: (202) 782-2637  
Toll-Free Tel: (800) 577-3749 (within the US)  
Fax: (202) 782-5020  
Toll-Free Fax: (800) 441-0094  
DSN: 662-2637 Email: came@afip.osd.mil



**If you need special assistance, please contact us.**

## AFIP FACULTY

**Elisabeth J. Rushing, COL, MC, USA**  
Chair, Department of Neuropathology and Ophthalmic Pathology  
Professor, Department of Neurology  
Uniformed Services University of the Health Sciences

**James G. Smirniotopoulos, MD**  
Professor of Radiology, Neurology, and Biomedical Informatics  
Chairman, Department of Radiology and Radiological Sciences  
Uniformed Services University of the Health Sciences  
Bethesda, Maryland  
Visiting Federal Scientist, Department of Radiologic-Pathology  
Armed Forces Institute of Pathology  
Washington, DC

## GUEST FACULTY

**Anthony A. Amato, MD**  
Vice-Chair, Department of Neurology  
Chief, Neuromuscular Division, Brigham and Women's Hospital  
Professor of Neurology, Harvard Medical School  
Boston, Massachusetts

**Steven C. Bauserman, MD**  
Clinical Professor, Department of Pathology  
UTMB, Austin Campus, Brackenridge Hospital  
Austin, Texas

**Peter C. Burger, MD**  
Professor, Department of Pathology, Division of Neuropathology  
The Johns Hopkins University School of Medicine  
Baltimore, Maryland

**Mary E. Case, MD**  
Professor of Pathology  
St. Louis University Health Sciences Center  
Chief Medical Examiner, St. Louis, St. Charles, Jefferson, and Franklin Counties  
St. Louis, Missouri

**Hans H. Goebel, MD**  
Professor of Neuropathology, Department of Neuropathology  
Johannes Gutenberg-University Medical Center  
Mainz, Germany

**Jorge A. Gutierrez, MD**  
Senior Staff Neuropathologist, Henry Ford Hospital  
Detroit, Michigan

**Kymerly A. Gyure, MD**  
Associate Professor of Pathology and Neurology  
Vice-Chair and Director of Anatomic Pathology  
West Virginia University School of Medicine  
Morgantown, West Virginia

**Michael N. Hart, MD**  
Professor and Chair  
Department of Laboratory Medicine and Pathology  
University of Wisconsin Medical School  
Madison, Wisconsin

**Reid R. Heffner, Jr., MD**  
Professor and Chair  
Department of Pathology and Anatomical Sciences  
State University of New York School of Medicine  
Buffalo, New York

**Alexander R. Judkins, MD**  
Chief, Division of Neuropathology  
Department of Pathology and Laboratory Medicine  
The Children's Hospital of Philadelphia  
University of Pennsylvania School of Medicine  
Philadelphia, Pennsylvania

**Ronald C. Kim, MD**  
Clinical Professor of Pathology and Neurology  
University of California, Irvine  
Neuropathologist, Department of Veterans Affairs  
Department of Pathology  
Long Beach, California

**Bette Kleinschmidt-DeMasters, MD**  
Professor of Pathology, Neurology and Neurosurgery  
University of Colorado at Denver and Health Sciences Center  
Aurora, Colorado

**Paul E. McKeever, MD, PhD**  
Professor of Pathology, Chief, Section of Neuropathology  
University of Michigan  
Ann Arbor, Michigan

**Joseph E. Parisi, MD**  
Professor of Pathology, Departments of Laboratory Medicine  
and Pathology and Neurology  
Mayo Clinic  
Rochester, Minnesota

**Carol K. Petito, MD**  
Professor of Pathology, Department of Pathology  
University of Miami School of Medicine  
Miami, Florida

**Lucy B. Rorke-Adams, MD**  
Senior Neuropathologist, Department of Pathology  
The Children's Hospital of Philadelphia  
Philadelphia, Pennsylvania

**Glenn D. Sandberg, MD**  
Neuropathologist, Harris County Medical Examiner  
Houston, Texas

**Mariarita Santi, MD**  
Neuropathologist  
Associate Professor of Pathology and Laboratory Medicine  
The Children's Hospital of Philadelphia  
University of Pennsylvania School of Medicine  
Philadelphia, Pennsylvania

**Bernd W. Scheithauer, MD**  
Professor of Pathology, Department of Laboratory  
Medicine and Pathology  
Mayo Clinic  
Rochester, Minnesota

**Robert E. Schmidt, MD, PhD**  
Professor of Pathology and Immunology  
Director, Division of Neuropathology  
Washington University School of Medicine  
St. Louis, Missouri

**Caroline Sewry PhD, FRCPath**  
Professor of Muscle Pathology, Wolfson Centre for Inherited  
Neuromuscular Diseases, RJA Orthopaedic Hospital  
Oswestry, United Kingdom

## REGISTRATION

**Tuition** is \$500 for the Neuroradiology, \$925 for Neuropathology and \$1375 for both courses. *Early registration (prior to 11 January 2010) is \$450 for Neuroradiology, \$875 for Neuropathology and \$1175 for both courses. To attend the Neuromuscular Seminar ONLY on Friday, 26 February; the tuition is \$150.*

Active-duty US military, Department of Defense civilians, Department of Veterans Affairs employees, and commissioned officers of the US Public Health Service have a **registration fee of \$350 for Neuroradiology, \$650 for Neuropathology and \$850 for both courses.**

The fee for civilian medical students, residents, and fellows attending the Neuroradiology course is \$400 when registration is accompanied by a letter from their program director. Course enrollment is limited.

An administrative fee of \$100 per registrant will be deducted for cancellation. **Refund requests must be received in writing no later than one week prior to the course. No refunds will be made thereafter.**

Course fees are payable by check or money order to the **American Registry of Pathology** or by VISA, MasterCard, American Express and are due at the time of enrollment. *Early registration is recommended.* To register by telephone, fax, or Internet, credit card payment is required.

**NOTE:** Each participant will be given the syllabi on CD. There will be NO printed syllabi. You are welcome to bring a laptop.

**The AFIP recommends you fax your application or register online to avoid mail delays.**

## REGISTER ON THE WEB

Steps to register for this course:

1. In order to register for an AFIP course, you must first create an AskAFIP account at [www.askafip.org](http://www.askafip.org).
2. Click on Register. Participants should complete the form and record the User ID (we suggest last name if not previously entered) and password for future reference.
3. Once you have an account and are logged in Click on Education which brings you to the course catalog. Scroll down to the course you wish to take and click on that link.

**NOTE:** Please be aware that if you are taking a combined course that you click on the link for the (combo) to ensure you receive the correct tuition.

If you have any questions about this process, please feel free to contact the Department of Medical Education.