



Penn Medicine

Continuing Medical and
Interprofessional Education

The 17th Annual

PENN NEUROLOGY BOARD REVIEW 2020

A CME-ACCREDITED COURSE

Monday-Tuesday
June 1 – 2, 2020

Mock Exam with Discussion – Optional
Wednesday, June 3, 2020

LIVE STREAM OPTION AND
PRE-RECORDED PRESENTATIONS WILL
BE AVAILABLE

The Study at University City Hotel
20 South 33rd Street
Philadelphia, PA 19104

Please note that Penn Medicine is following the CDC guidelines to stop the spread of COVID-19 (Coronavirus) through social distancing. In the event *Neurology Board Review 2020* cannot move forward as a live-attended conference, all pre-registered attendees will be moved to Live Stream. Please be sure you will be able to join the conference through live stream and review our cancellation policy before you register.

Course Director
Raymond S. Price, MD

In Conjunction with:
Department of Neurology
Perelman School of Medicine
at the University of Pennsylvania

You may print the brochure and/or
register for the course online.
<https://upenn.cloud-cme.com/NBR2020>



Comments from past participants:

"I have absolutely enjoyed my experience and learning thus far. I have been to other neurology reviews and board reviews and this, in many ways, tops all of them."

"The best review course for the neurology board exam."

"Please allow me to thank you and your staff for helping me pass the Neuro Boards. I personally feel that the course made a difference."

THE 17TH PENN NEUROLOGY BOARD REVIEW 2020

Program Overview

This course is specifically designed for neurologists taking or retaking the Initial Certification Neurology Examination, the Initial Certification Neurology with Special Qualifications in Child Neurology Examination or the Recertification Examination.

Target Audience

This course is designed for neurology residents, fellows, and practicing neurologists.

Educational Goal

Upon completion of this activity, participants will be able to prepare for either the American Board of Neurology and Psychiatry (ABPN) Initial Certification Examination in Neurology, the Initial Certification Neurology with Special Qualifications in Child Neurology Examination, or the Recertification Examination.

Accreditation

Perelman School of Medicine at the University of Pennsylvania is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Designation of Credit

Penn Medicine designates this live activity for a maximum of 24.0 *AMA PRA Category 1 Credits*TM. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Amount of Credit Available By Day:

Monday8.25 *AMA PRA Category 1 Credits*TM

Tuesday8.25 *AMA PRA Category 1 Credits*TM

Wednesday7.5 *AMA PRA Category 1 Credits*TM

Certificates and Transcripts: After the conference has concluded, all participants will receive a follow-up email with instructions and a link. Once participants submit the request for credit, the earned credits will be available for viewing on a transcript and certificates will be available for printing at <https://upenn.cloud-cme.com>. Please note that the individual certificate will not be mailed.

Benefits of Attendance

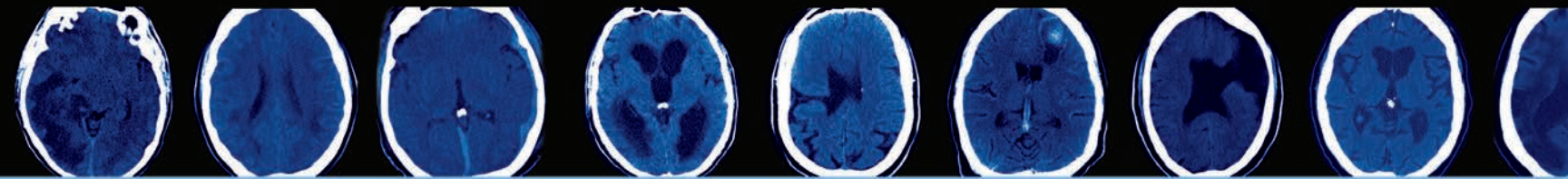
Our course will provide an excellent review of board exam and recertification topics and help the learner identify areas that require further study. The learner can then review and prepare further in these areas prior to taking the examination.

Case-based Live Presentations: On 6/1 and 6/2, there will be 24 different talks chosen from the ABPN's description of the board and recertification examinations. The time allotted for each topic is based upon the approximate distribution of the subject matter as given by the ABPN. The majority of these talks are case-based with multiple choice questions with 5 answer choices just like the ABPN examination. Attendees will be able to use these case-based sessions to assess their knowledge and then listen to a discussion about the reasoning behind the correct and incorrect answers. This will be 16.5 hours of high yield education. All of our pre-registered and paid attendees receive all 24 powerpoint presentations.

Pre-recorded Presentations: We understand that preparing for the boards means spending many hours studying and reviewing. In an effort to provide our attendees with the comprehensive review needed to study for the boards within their own busy schedule, over 40 additional hours of pre-recorded video didactic lectures are also included in the course registration fee and are available online from 3/9/20 until 12/31/20 to all of our pre-registered and paid attendees. The pre-recorded lectures are different lectures from the live board review course. This will allow our attendees to review and study the videos at their own pace. Please note that the videos are available only to those pre-registered, paid, and are attending in-person or by Live Stream. The pre-recorded lectures are not approved for CME credit. The full list of pre-recorded lectures is listed on the agenda.

Problem-based Learning: The Problem-based Learning modules are designed to optimally prepare you for the American Board of Psychiatry and Neurology Examination by assessing your ability to apply your fund of knowledge to board-style questions and identify concepts for further study. There is a live mock-examination on Wednesday, June 3rd with discussion of challenging questions. There is an option to purchase 3 additional mock examinations for self-study and to receive questions via email, or to your mobile device, three times per week from 3/9/20 until 12/31/20 to more continuously prepare you for the American Board of Psychiatry and Neurology Examination. Utilization of this technology has been shown to increase scores on National Board of Medicine examinations. For an additional fee, all preregistered, paid attendees can choose one of the three options below for additional studying:

- **Option 1 (300 questions):** 2020 Mock Exam – register and attend the optional live mock exam session (please see Mock Exam under Registration Fees for additional information). For live-stream participants, they can purchase this examination for self-assessment but the discussion of challenging questions on Wednesday 6/3/20 WILL BE LIVE-STREAMED.
- **Option 2 (1,400 questions):** 2020 Mock Exam, three additional different mock exams (including answers and explanations for self-study) and receive four (4) Board-style questions that will be sent to your email or mobile device every other day from the date you register until 12/31/20.



Live Stream Option

Can't attend in person? Watch the *17th Annual Penn Neurology Board Review 2020* in real-time online (eastern standard time). Purchase and have full access to the course which will be live streamed from the The Study at University City Hotel, 20 South 33rd Street, Philadelphia on June 1-2, 2020. The Mock Exam will also be available for Live Stream. By registering for the live stream, you will:

- Receive two days of live streaming. You will have access to watch the presenters live through your computer while the course is being conducted.
- Receive the same course materials and access to the more than 40 hours of pre-recorded lectures as those attending in person
- Have the option of purchasing the 2020 Mock Exam or other problem-based learning options and the audio files from Day One and Day Two
- Participation is required in real time (please see course schedule)
- Save over \$1,000 in travel and hotel costs!

All materials will be mailed to the address in your Penn Cloud CME profile. Be sure your correct mailing address is updated no later than May 18, 2020.

Discount Policy

Individuals taking this 2020 course may take a future *Penn Neurology Board Review Course* and receive a discount of 25% off of a future Penn Neurology Board Review Course if they do not pass the 2020 board exam or 75% off of a future *Penn Neurology Board Review Course* if they do not pass the 2020 recertification exam. Proof of non-passing score will be required to be eligible for the discounted rate to attend a future course.

Limitations

It is impossible for us to cover all of the material necessary to answer every question on the board or recertification exams. Similarly, we cannot guarantee that attending this course will result in passing the board or the recertification exams.

Personal recording Devices

Due to the copyright issues of this course, personal recording devices are not permitted for any reason. Anyone found using any personal recording device will be asked to leave the course and no refund will be issued.

Registration Fees

The registration fee for the *17th Penn Neurology Board Review 2020* includes attendance to the 2-day board review, access to more than 40 hours of pre-recorded lectures and presentation slides online through December 31, 2020, a black & white reduced-size syllabus, continental breakfast, mid-morning and afternoon breaks each day.

The registration fees for in person or Live Stream are \$1,295 for physicians and \$995 for residents and fellows. The registration fee for those needing access to the pre-recorded presentations and Board-style questions through February 7, 2021 is an additional \$100.

Presentation Slides (available online only) and Reduced-size Printed Version

Registration is required to view the presentation slides (available online only). All participants are strongly encouraged to bring their laptop or mobile device in order to access the slides while on-site and follow the presentations

electronically. Participants should be sure to download the latest free Adobe Reader software in order to open the files. Power stations are provided for charging needs.

The course syllabus will be printed as a black & white reduced-size version for convenient storage and travel.

Optional Written Mock Examination with Discussion

The 2020 Mock Exam will consist of 300 new questions written especially for this course. On Wednesday, June 3, the mock examination will be administered to participants who register additionally for this part of the course. In addition, the answers will be given and a discussion will follow. The registration fee for the optional mock examination is \$500 and only available to those who register and pay for the full course. This fee includes additional course materials, continental breakfast and mid-morning break. If interested, select this option on the registration form.

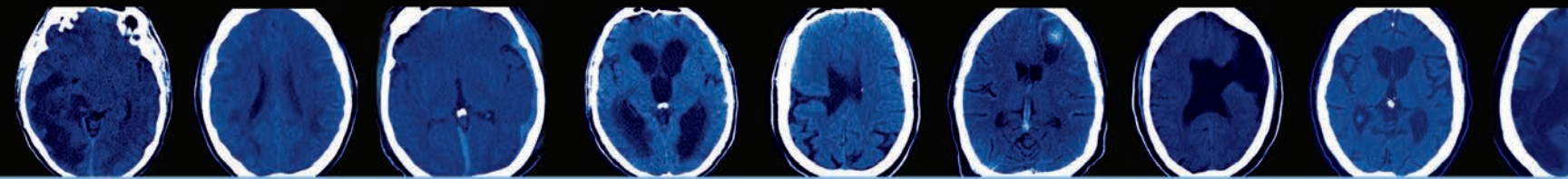
Audio Files

The live course will be professionally recorded (audio only) and available online to those who order the files. Together with the presentation slides, the audio recordings will allow participants to review the course material in detail after the course concludes. The audio files do not include the pre-recorded lectures. All lectures from the live course will be recorded and a link to the files will be sent only to those who ordered the files. You will be able to listen to the files through your computer or any mobile device. The audio files are for sale only to those who register and pay for the course. Those who pre-order the files will receive a discounted price of \$300. On-site orders will cost \$350. Please use the registration form to pre-order the audio files. The files will be available approximately one week after the review concludes.

How to Register

If you are registering with a credit card, please register online at <https://upenn.cloud-cme.com/NBR20>. We cannot accept faxed or mailed registration forms with credit card information. To pay by check, complete the registration form and mail it in with your check. Please see the registration form for mailing information. Please note: mailed registrations can take up to 5-10 business days before they are received. All registrations will be confirmed by email as long as your registration is received no later than May 15, 2020.

Please note that Penn Medicine is following the CDC guidelines to stop the spread of COVID-19 (Coronavirus) through social distancing. In the event *Neurology Board Review 2020* cannot move forward as a live-attended conference, all pre-registered attendees will be moved to Live Stream. Please be sure you will be able to join the conference through live stream and review our cancellation policy before you register.



Cancellation and Refund Policy

Upon registration & payment, each attendee has access to the Pre-recorded Presentations. Therefore once you are enrolled, no refunds can be issued. If you register and then cannot attend, please contact us at 215-898-8005 so that we can ensure you receive your materials.

The University reserves the right to cancel or postpone any course due to unforeseen circumstances. In the event of cancellation or postponement, the University will refund registration fees but is not responsible for related costs or expenses to participants, including cancellation fees assessed by hotels, airlines, and travel agencies.

Hosting Institution

The *17th Penn Neurology Board Review 2020* is hosted by the Department of Neurology, University of Pennsylvania Health System. The department has a long tradition of excellence in the neurosciences and is internationally known for its strengths in many of the neurologic subspecialties. Other lecturers include those from the Departments of Psychiatry and Radiology.

Disclosures

Perelman School of Medicine at the University of Pennsylvania, Office of Continuing Medical Education, adheres to the *ACCME Standards for Commercial Support*. Faculty disclosure information will be made available in the conference materials and syllabi. Faculty members are also expected to disclose to participants any discussions of off-label and/or investigational uses of pharmaceutical products within their presentations.

Conference Location

The 17th Penn Neurology Board Review 2020 will be held at the The Study at University City Hotel, 20 South 33rd Street, Philadelphia, PA 19104, 215-387-1400

The hotel is within walking distance of the Drexel and University of Pennsylvania campuses and moments from the shopping, restaurants, local attractions and farmers' markets of University City.

Deadline for Reservations is May 15, 2020 at the reduced rate or subject to availability, whichever comes first.

Overnight Accommodations

A block of rooms has been reserved at the Study Hotel at University City at a special group rate of \$209 per night (single or double occupancy). Taxes are 16.36% per room per night and are subject to change. The Study Hotel requires a credit card to hold the reservation. They accept all major credit cards. Hotel check-in is at 3 pm, check-out is at noon.

To make hotel reservations, please contact the Study Hotel at University City at 215-387-1400 or make your reservation online using this link: <https://reservations.travelclick.com/99716?groupID=2605230>. Use Booking Code #9730121 to receive the special rate.

Parking: The Study offers valet-parking for \$20 per car for the day or \$42 for overnight guests. Parking costs are not validated or reimbursed. The following self-parking garages are within 1-2 blocks of The Study (rates subject to availability):

Chestnut 34 Garage
3335 Chestnut Street
Philadelphia, PA 19104
\$19 for daily parking

Drexel University
Drexel University Lot G (Parking Garage)
3398 Ludlow Street
Philadelphia, PA 19104
\$15 for daily parking



AGENDA

Day 1 – Monday, June 1

7:30 AM – 8:00 AM

Registration & Continental Breakfast

8:00 AM – 8:05 AM

Introduction

Raymond Price, MD

- How This Course Will Help You Study for the Board Exam

8:05 AM – 8:20 AM

Description of the ABPN Initial Certification Exam

Raymond Price, MD

- Content, Format of the Boards

8:20 AM – 9:30 AM

Neuroanatomy Through Clinical Cases

Raymond Price, MD

- Neuroanatomy Application of Recorded Talks

9:30 AM – 10:15 AM

Neurovascular Through Clinical Cases

Steven R. Messé, MD

- Classic stroke syndromes
- Acute stroke therapy including an overview of ischemic penumbra and tPA
- Stroke prevention including an overview of antithrombotic medication and anticoagulation

10:15 AM – 10:30 AM

Break (Coffee & Snack Provided)

10:30 AM – 12:00 PM

Neuro-ophthalmology Through Clinical Cases

Ali Hamedani, MD

- Afferent Neuro-ophthalmology Application of Recorded Talks
- Efferent Neuro-ophthalmology Application of Recorded Talks
- Neuro-ophthalmology videos

12:00 PM – 1:00 PM

Lunch (On Your Own)

1:00 PM – 1:25 PM

Neuropathology Through Clinical Cases

Raymond Price, MD

- Neuropathology Application of Recorded Talks

1:25 PM – 2:10 PM

Sleep Through Clinical Cases

David Raizen, MD, PhD

- Normal Sleep Physiology
- Sleep Disorders and Treatment

2:10 PM – 3:15 PM

Psychiatry and Substance Abuse Through Clinical Cases

Robert M. Weinrieb, MD

- Phenomena of withdrawal, tolerance, etc.
- Therapy-medication and psychological
- Personality-genetic and environmental influences
- Prognostic concepts
- Supportive services generally available (AA, etc.)
- Neurologic side effects of alcohol and substance abuse
- DSM-IV
- Major disorders, definition and presentations
- Somatic features of common psychiatric disorders
- Depression (including atypical), schizophrenia, catatonia, hallucinosis
- Psychodynamic considerations
- Analysis and variants
- Major drugs (antipsychotics, antidepressants, anti-anxiety agents, lithium, etc.)
- Side effects (e.g., acute, motor neuroleptic malignant syndrome)
- Changes in mental state secondary to therapy
- Iatrogenic disorders in psychiatry and neurology (not including tardive dyskinesia)
- Pharmacokinetics

3:15 PM – 3:30 PM

Break (Coffee & Snacks Provided)

3:30 PM – 4:15 PM

Epilepsy and EEG Through Clinical Cases

Sudha Kessler, MD

- Epileptic phenomena, pseudo-seizures
- Genetics of epilepsy
- Anticonvulsants

4:15 PM – 4:50 PM

Neurophysiology (EMG, VEP, BAERS) Through Clinical Cases

Shawn Bird, MD

- Clinical
- EMG/NCV videos

4:50 PM – 5:10 PM

Neuromuscular Junction Disease Through Clinical Cases

Shawn Bird, MD

5:10 PM – 5:45 PM

Neuromuscular Diseases Through Clinical Cases

Christyn Edmundson, MD

- Neuropathies
- Myopathies
- Disorders of neuromuscular transmission



AGENDA

Day 2 – Tuesday, June 2

7:30 AM – 8:00 AM

Course Sign-in & Continental Breakfast

8:00 AM – 8:10 AM

Description of the Recertification Exam

Raymond Price, MD

8:10 AM – 8:40 AM

Neurochemistry

Eric Lancaster, MD, PhD

- Neurotransmitters

8:40 AM – 9:10 AM

Pediatric Neurology Through Clinical Cases I

Nicole Ryan, MD

- Complex molecules (lysosomal storage, peroxisomal, e.g.)
- Intoxication disorders (aminoacidopathies, organic acidemias, urea-cycle defects, and sugar intolerances, e.g.)
- Energy metabolism (lactic acidemias, mitochondrial, e.g.)

9:10 AM – 9:50 AM

Pediatric Neurology Through Clinical Cases II

TBD

- Mendelian-inherited diseases
- Mitochondrial disorders
- Trinucleotide repeat disorders
- Other genetic disorders/mechanisms
- Polymerase chain reaction

9:50 AM – 10:05 AM

Break (Coffee & Snack Provided)

10:05 AM – 10:45 AM

Neuro-Immunology Through Clinical Cases

Dina Jacobs, MD

- Molecular pathogenesis of multiple sclerosis
- Immunotherapy in multiple sclerosis

10:45 AM – 12:00 PM

Neuroimaging Through Clinical Cases

John Woo, MD

- Plain Skull/spine radiology
- MRI, MRA, and MRV (exclusive of material in Neurovascular section)
- CT scan
- CT myelography
- Angiography (exclusive of material in Neurovascular section)
- SPECT/PET

12:00 PM – 1:00 PM

Lunch (On Your Own)

1:00 PM – 1:30 PM

Headache Through Clinical Cases

Katherine Hamilton, MD

- Stroke prevention including an overview of antithrombotic medication
- Other types (tension, cluster, chronic daily, medication overuse)

1:30 PM – 2:45 PM

CNS and Systemic Infections/Virology/Psychiatric/Neurologic Problems Associated with Medical Disease Through Clinical Cases

Amy Pruitt, MD

- Infections and CSF profiles
- Molecular neurology of prion diseases and slow viruses
- Antibiotics/antimicrobials/vaccines
- Cardiac
- Renal
- Hematologic
- Skin – except phakomatoses
- Effects of radiation and chemotherapy

2:45 PM – 3:30 PM

Movement Disorders Through Clinical Cases

Nabila Dahodwala, MD

- Hyperkinetic disorders - including: tremor, tardive dyskinesia
- Hypokinetic disorders - Parkinson's disease, parkinsonism
- Movement disorder videos

3:30 PM – 3:45 PM

Break (Coffee & Snacks Provided)

3:45 PM – 4:30 PM

Behavioral and Personality Changes Associated With Structural Changes

Geoffrey Aguirre, MD, PhD

- The Big Picture
- Aphasias and Apraxias
- Disorders of Attention/Neglect
- Agnosias
- Cognitive Effects of Head Trauma

4:30 PM – 5:15 PM

Memory Disorders and Cortical Changes With Dysfunction

Geoffrey Aguirre, MD, PhD

- Memory and Amnesias
- Mild Cognitive Impairment
- Dementias Including Alzheimer's, Frontotemporal, and Vascular
- Delirium

5:15 AM – 5:45 PM

Behavioral Neurology Through Clinical Cases

Geoffrey Aguirre, MD, PhD

- Behavioral Neurology Application of Live talks

Day 3 – Wednesday, June 3 Mock Examination/Discussion

7:30 AM – 7:45 AM

Sign-In

7:45 AM – 10:00 AM

Mock Examination Part I

150 Questions

10:00 AM – 10:15 AM

Break (Coffee & Snack Provided)

10:15 AM – 11:30 AM

Discussion

*Sudha Kessler, MD
Sara Manning, MD
Michael Mullen, MD
Sona Narula, MD
Raymond Price, MD
Colin Quinn, MD
Laura Stein, MD
Sanjeev Vaishnavi, MD, PhD*

11:30 AM – 12:15 PM

Lunch (On Your Own)

12:15 PM – 2:30 PM

Mock Examination Part II

150 Questions

2:30 PM – 2:45 PM

Break (Coffee & Snacks Provided)

2:45 PM – 4:00 PM

Discussion

*David Coughlin, MD
Christyn Edmundson, MD
Ali Hamedani, MD
Donna Kurowski, MD
Raymond Price, MD
Michael Rubenstein, MD*

4:00 PM

Adjournment

Topics Covered in Appendices Without Talks

Cerebrospinal Fluid

Normal CSF Constituents and Volume
Ventricular System; CSF Pathways
Pathologic CSF Patterns (Cellular,
Chemical Enzymatic, Serologic)

Physician-patient Relationship

Interview Techniques and
Mental Status Testing
Management of Difficult Patients
Relationship with Other Professionals
Particularly Common “Errors”
Death and Dying,
Normal Grief vs. Depression
Role of Physician Attitudes in Therapy
Therapy in Liaison Psychiatry
Legal Responsibilities
Factitious Phenomena
Suicide

Neuropharmacology

Antioxidants
Autonomic Agents
Neurologic Side Effects
of Systemic Drugs

Forensic Psychiatry and Neurology, Epidemiology, Transcultural Psychiatry, Public Mental Health, and Systems-based Practice

Forensic Psychiatry/Neurology
Epidemiology
Transcultural Psychiatry
Community Psychiatry,
Public Mental Health
Systems-based Practice

Pre-recorded Presentation Faculty (See Faculty Listing for full credentials):

Shawn J. Bird, MD

Nabila Dahodwala, MD

Lauren Elman, MD

Katherine Hamilton, MD

Dina Jacobs, MD

Kathy Lawler, DPhil

Louis Littman, MD, PhD

Grant T. Liu, MD

Eric Marsh, MD, PhD

Michael L. McGarvey, MD

Steven R. Messé, MD

James Morley, MD, PhD

John Pollard, MD

Raymond S. Price, MD

Amy Pruitt, MD

David Raizen, MD, PhD

Nicole Ryan, MD

Robert Weinrieb, MD

John Woo, MD

40 Hours of Pre-recorded Presentations Available Only to Pre-registered Live or Live-Stream Attendees:

Neuroanatomy

Neurochemistry

Neuroendocrinology

Neuropathology

Neurovascular

Neuro-ophthalmology

Neuromuscular

Neurophysiology

Neurogenetics

Neuroradiology

Neuro-oncology

Neuro-infectious

Metabolic Disorders

Phakomatoses

Development and Disorders of Childhood

Movement Disorders

Neuroimmunology/MS

Altered States of Consciousness

Neuropsychology

EEG/Epilepsy

Headache

Sleep

Psychiatry and Substance Abuse

Neurology and Systemic Disease

Services for the Disabled If special arrangements are required for an individual with a disability to attend this meeting, please contact the Office of Continuing Medical and Interprofessional Education no later than May 15, 2020, at 215-898-6400.

Nondiscrimination Statement The University of Pennsylvania values diversity and seeks talented students, faculty, and staff from diverse backgrounds. The University of Pennsylvania does not discriminate on the basis of race, sex, sexual orientation, gender identity, religion, color, national or ethnic origin, age, disability, or status as a Vietnam Era Veteran or disabled veteran in the administration of educational policies, programs or activities; admissions policies; scholarship and loan awards; athletic, or other University administered programs or employment. Questions or complaints regarding this policy should be directed to Executive Director, Office of Affirmative Action and Equal Opportunity Programs, 3600 Chestnut Street, Sansom Place East Suite 228, Philadelphia PA 19104-6106 or 215-898-6993 (Voice) or 215-898-7803 (TDD). www.upenn.edu/affirm-action.



Course Director and Faculty are all part of the University of Pennsylvania Health System and Children's Hospital of Philadelphia, Philadelphia, PA

Course Director

Raymond S. Price, MD

*Associate Professor of Clinical Neurology
Director, Neurology Residency*

Faculty – Department of Neurology

Geoffrey K. Aguirre, MD, PhD

Associate Professor of Neurology

Shawn J. Bird, MD

*Professor of Neurology
Director, Electromyography Laboratory*

Nabila Dahodwala, MD

Associate Professor of Neurology

Christyn Edmundson, MD

Assistant Professor of Clinical Neurology

Lauren B. Elman, MD

Associate Professor of Neurology

Ali Hamedani, MD

Fellow, Neurology

Katherine Hamilton, MD

Assistant Professor of Neurology

Dina A. Jacobs, MD

*Associate Professor of Neurology
Associate Director, MS Center*

Sudha Kessler, MD

Associate Professor of Neurology and Pediatrics

Donna Kurowski, MD

Assistant Professor of Clinical Neurology

Eric Lancaster, MD, PhD

Assistant Professor of Neurology

Kathleen Lawler, DPhil, ABPP

Clinical Assistant Professor of Neuropsychology in Neurology

Grant Liu, MD

Professor of Neurology and Ophthalmology

Eric Marsh, MD, PhD

Associate Professor of Neurology and Pediatrics

Michael L. McGarvey, MD

Associate Professor of Neurology

Steven R. Messé, MD

Associate Professor of Neurology

James Morley, MD, PhD

Assistant Professor of Neurology

Michael Mullen, MD

Assistant Professor of Neurology

Sona Narula, MD

Assistant Professor of Clinical Neurology

John Pollard, MD

Adjunct Professor of Neurology

Amy A. Pruitt, MD

*Professor of Neurology
Director, General Neurology Division*

Colin Quinn, MD

Assistant Professor of Clinical Neurology

David Raizen, MD, PhD

Associate Professor of Neurology

Michael Rubenstein, MD

Assistant Professor of Clinical Neurology

Nicole Ryan, MD

Assistant Professor of Neurology and Pediatrics

Laura Stein, MD

Assistant Professor of Neurology

Faculty – Department of Psychiatry

Louis Littman, MD, PhD

Clinical Assistant Professor of Psychiatry

Robert M. Weinrieb, MD

*Associate Professor of Psychiatry
Chief Psychiatric Consultant, Liver Transplant Service
Chief of Consultation Liaison Psychiatry*

Faculty – Department of Radiology

John H. Woo, MD

Associate Professor of Radiology

The 17th Annual
**PENN NEUROLOGY BOARD
REVIEW 2020**

Registration Form

June 1 – 2, 2020

**Written Mock Exam with Discussion – Optional
June 3, 2020**

You may register by credit card or check online at:

<https://upenn.cloud-cme.com/NBR2020>

Questions? Contact us at:

Phone: 215-898-6400 or 215-898-8005 • penncme@pennteam.upenn.edu

Please note we are unable to accept faxed or mailed registration forms with credit card payment.

Please print or type

Name (First)

(Last)

Academic Degree

Medical Specialty

Affiliation (Hospital, Office, or Company)

Address (Affiliation or Home)

City

State

Zip

Phone

Fax

E-mail

Registration Fees (pre-payment is required to be officially registered)

(includes admission to the two-day conference, presentation slides in color, b&w reduced-size syllabus, continental breakfasts & breaks)

- \$1,295 for practicing physicians Live Attendance Live Stream
 \$995 for residents and fellows Live Attendance Live Stream

Optional Purchases:

(Must register and pay for course in order to purchase any additional options)

Option 1 (300 questions): 2020 Optional Written Mock Exam registration

- \$500 for all registrants

Option 2 (1,400 questions): 4 board style questions every other day,

2020 Optional Mock Exam registration and the three previous Mock Exams

- \$825 for all registrants

Pre-order for Audio-only Files

- \$300 for complete two-day set (On-site purchase will be \$350)

Extended Access to the Pre-recorded and/or Board-Style Questions

- \$100 for access through February 7, 2021

Please total registration payment and optional purchases

Total: \$ _____

Payment Method

- If you are paying by check or credit card, register online at <https://upenn.cloud-cme.com/NBR2020>
- If you are paying by check, you may mail your completed registration form and check made payable to **The Trustees of the University of Pennsylvania/CME** to: Conference Manager, Office of Continuing Medical & Interprofessional Education, Academic Programs, Penn Medicine, JMCC, SPE, 6th floor 3400 Civic Center Blvd, Bldg. 421, Philadelphia, PA 19104-5162

Please Note: Seating may be limited for walk-in registrants.

Walk-in registrants must bring payment to the program.

You may print the brochure and/or register for the course online.