

# UCLA Seizure Disorder Center

- Subspecialty evaluations for the newly diagnosed and treatment resistant
- Multi-disciplinary comprehensive care including pharmacologic, electrical stimulation, and surgical treatments
- Clinical and basic research aimed at devising more effective approaches to diagnosis, treatment, and prevention
- Education and training for residents, fellows, researchers, and visitors from around the world

# UCLA Seizure Disorder Center

## Neurology

Jerome Engel, Jr., MD, PhD, Director

John Stern, MD, Clinical and Epilepsy Fellowship  
Director,

Dawn Eliashiv MD, Co-Director

Marc R. Nuwer, MD, PhD, Co-Director

Inna Keselman, MD, PhD

Rajarshi Mazumder, MD, MPH

## Neurosurgery

Itzhak Fried, MD, PhD, Co-Director

Gary Mathern, MD

Ausaf Bari, MD, PhD

## Basic Research

Anatol Bragin, PhD

Istvan Mody, PhD

Richard Staba, PhD

## Neuroimaging

Mark Cohen, PhD

Noriko Salamon, MD

## Neuropsychology

Susan Bookheimer, PhD

Patricia Walshaw, PhD

## Psychiatrist

John Brooks, MD

## Clinical Nurse Specialist

Sandra Dewar, RN, MS

Kathleen Rodriguez, RN

## Neuropathology

Harry Vinters, MD

## Clinical Fellow

Ting Wu, MD

Zachary DeCant, DO

Victoria Ho, MD, PhD

## Genetics

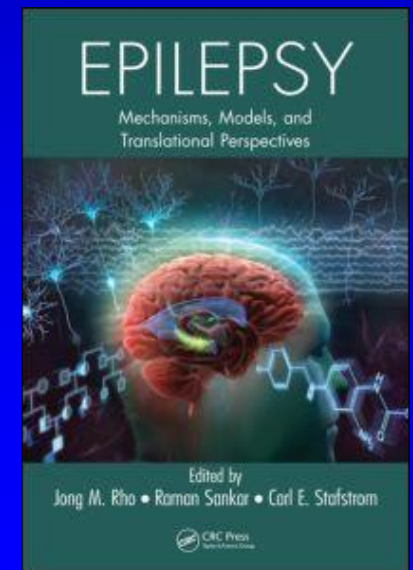
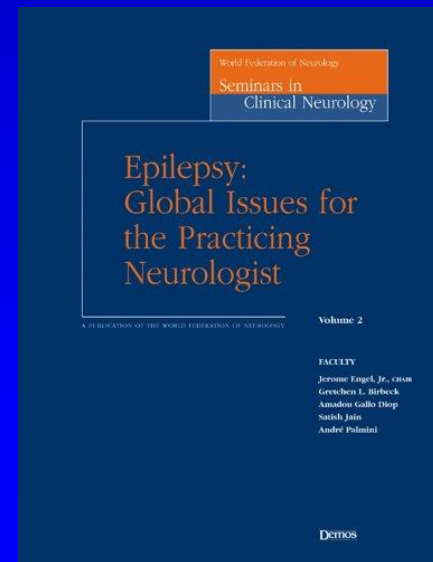
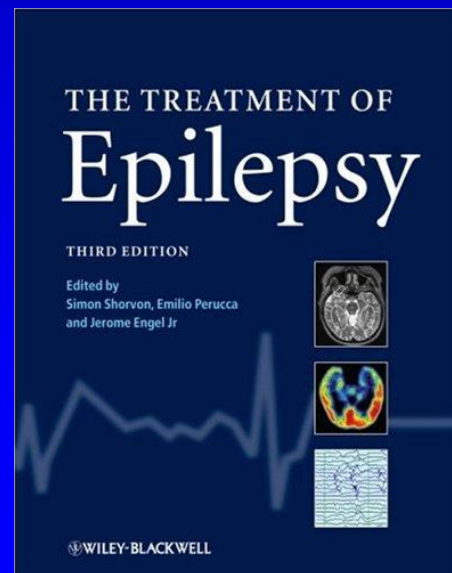
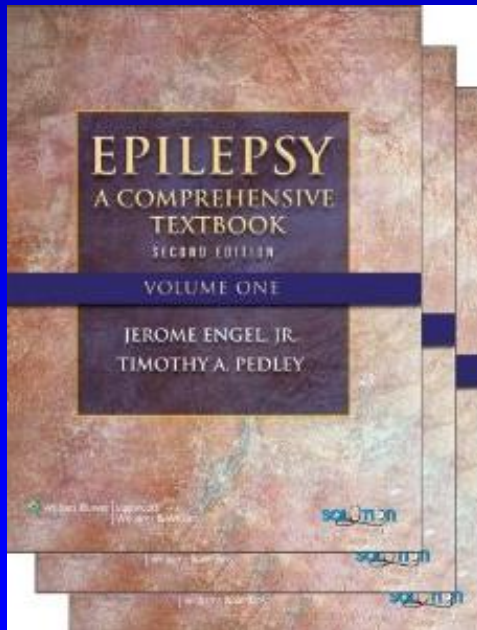
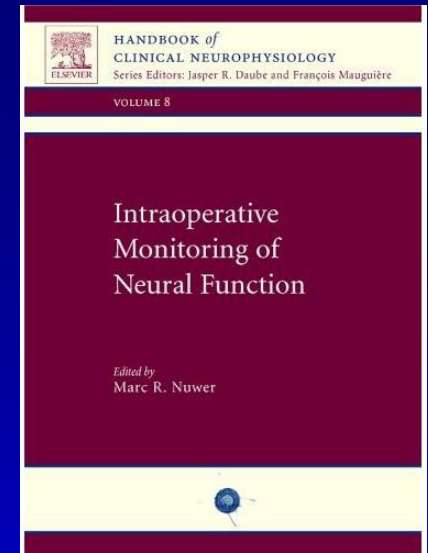
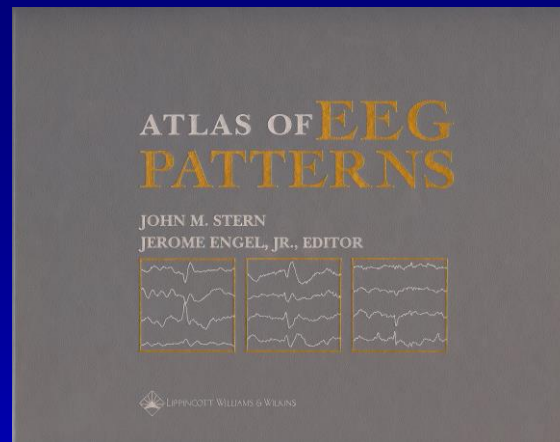
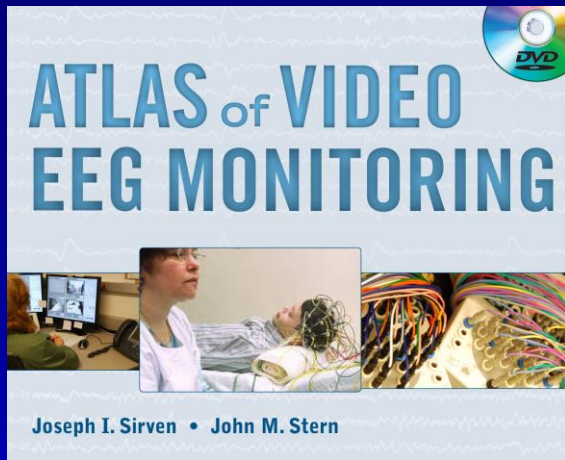
Daniel Geschwind, MD, PhD

## Global Health

Rajarshi Mazumder, MD, MPH

# Clinical Services / Education

- General Epilepsy
  - Consultation
  - Continuing care
    - Pharmacotherapy
    - Vagus Nerve Stimulation
  - Surgical therapy
    - Resective surgery
    - Laser thermoablation
    - Response neurostimulation
  - Psychosocial management
    - Neuropsychological evaluation
    - Psychiatric support
    - Counseling
- Video-EEG Monitoring Unit
  - Epilepsy surgery evaluation
  - Differential diagnosis
  - Subdural grid recordings
  - Depth electrode recordings
  - ICU monitoring
- Clinical Neurophysiology
  - Outpatient routine EEG
  - Inpatient urgent EEG
  - Intra-operative electrocorticography
  - Intra-operative mapping



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# Seizures and Epilepsy

SECOND EDITION

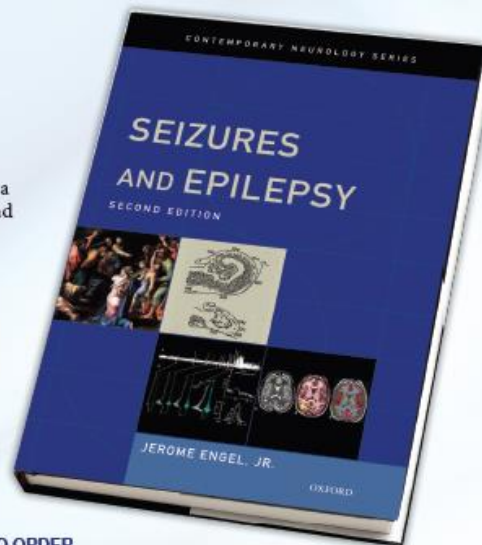
Jerome Engel, Jr.

This second edition of *Seizures and Epilepsy*, written almost a quarter of a century after the ground-breaking first edition, is more than an update: it is a complete revision due to tremendous advances in the field. Our understanding of the fundamental neuronal mechanisms underlying epileptic phenomena, as well as current diagnosis and treatment, have been heavily influenced over the past several decades by seminal neuroscientific developments, particularly the introduction of molecular neurobiology, genetics, and modern neuroimaging.

According to the World Health Organization, epilepsy accounts for 1% of the global burden of disease, equivalent to breast cancer in women and lung cancer in men. Among primary disorders of the brain, it is equivalent to depression, dementia, and substance abuse. Singly authored by Jerome Engel, Jr., this must-read from 1989 reasserts itself as a modern classic comprehensive textbook covering a broad range of both basic and clinical epileptology. Basic scientists who are interested in learning more about clinical epileptology, as well as clinicians who would like to understand more about fundamental mechanisms will find this text useful. Residents and postdoctoral fellows, particularly those interested in a career in epilepsy, will benefit from the continuity and organization of this single-authored comprehensive textbook.

Nov 2012 • 736 pp. • Hardback  
9780195328547 • £198.50/\$168.75

Jerome Engel, Jr., MD, PhD, is Director of the Seizure Disorder Center, and The Jonathan Sinay Distinguished Professor of Neurology, Neurobiology, and Psychiatry and Biobehavioral Sciences at UCLA. He is past president of the American Clinical Neurophysiology Society, the American Epilepsy Society, and the International League Against Epilepsy, and is past co-chair of the Global Campaign against Epilepsy. Dr. Engel has more than 1,000 publications and over 30 books. He has received numerous awards and honors, including a Fulbright Scholarship, a Guggenheim Fellowship, the Lifetime Achievement Award from the International League against Epilepsy, and a Javits Award from the National Institute of Neurological Disorders and Stroke.



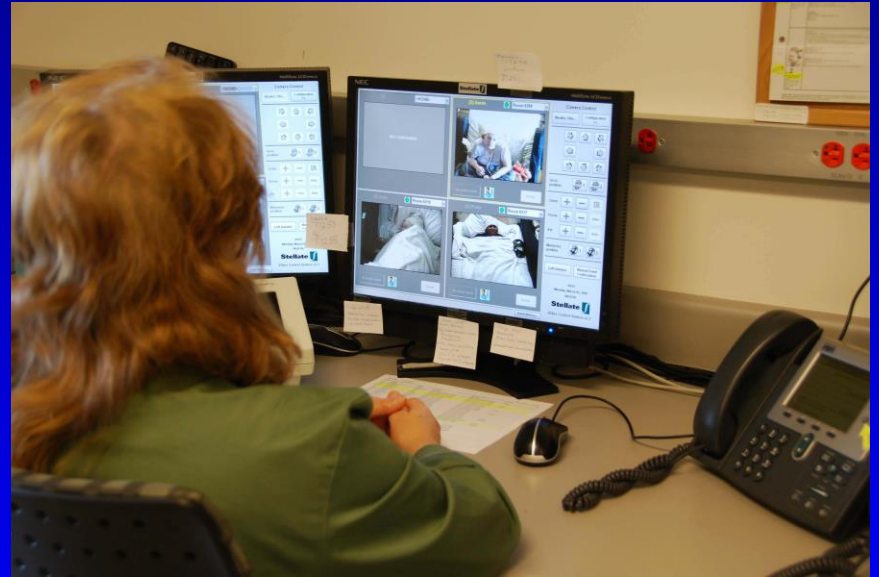
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# Resident Rotation

- Team: Attendings, Nurse Specialists, Fellows
- 4 weeks during PGY 3
- Outpatient Clinic
- Inpatient Video-EEG Monitoring
- Routine EEG reading
- Epilepsy surgery clinical conference
- Clinical neurophysiology didactic conference
- Epilepsy journal club
- Psychosocial conference
- Special neurophysiology studies
  - Intracarotid Amytal test (Wada)
  - Intraoperative recordings