
***The Management of ED Seizure
and Status Epilepticus Patients:
The Role of 1st & 2nd Generation
Anti-epileptic Drugs in 2007***

Edward P. Sloan, MD, MPH, FACEP 

**ACEP
Scientific Assembly**

**New Orleans, LA
October 16-18, 2006**

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***Thank you to
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The Role of 1st & 2nd Generation Anti-epileptic Drugs in 2007

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Overview

Mission Statement

- Patients with neurological emergencies deserve quality emergency care.
- Quality scientific research.
- Case-oriented, evidence-based medical education on optimal acute neurological care.
- Use of technology to break down space and time barriers.
- Advocacy.

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Education

Educational Activities to Date

- 61 Meetings
- 180 Speakers
- 389 Lectures
- 350+ Lectures posted on the FERNE website
- 13 Lectures posted on the EMedHome website
- 97% Evaluations good or excellent

- 5100+ EM professionals
- 7950+ contact hours over 9 years

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Education

Branded Product: Case-based Learning

- Case presentation
- Key Clinical Questions
- Introduction, the clinical disease state
- Optimal ED management strategies
- Patient outcome
- References, Annotated bibliography
- Key Learning Points
- Questions and answers

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Education

Web-based Learning: Video Slideshows

- Audio, video and slide content
- Able to access individual slides for specific content
- MS Producer, viewable with Windows Media Player



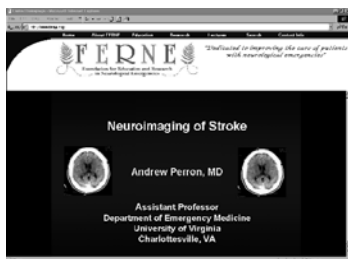
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Education

Web-based Learning: Slide Lectures

Download or view online



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Education

Web-based Learning: Webcasting

- Live simulcasts using Centra Symposium



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Education

Handheld Software: *HandiStroke Rx*

HANDi Stroke Rx Available free from www.ferne.org

- Written at Mount Sinai, New York
- Funded by a FERNE grant
- NIH Stroke Scale
- tPA Inclusion/Exclusion criteria
- tPA dosage calculator
- Continuation of care orders



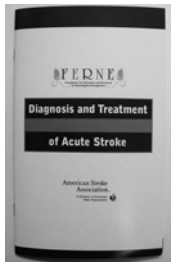
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Education

Educational Materials

Acute Stroke Materials

- Developed a handbook and companion CD Rom
- Published Spring 2004
- Collaboration included American Stroke Association and France Foundation




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Education

Web-based Learning: *EMedHome.com*

- FERNE generated content
- CME can be obtained via the EMedHome website
- Slides and audio



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Education

Web-based Learning: *Abstract Search*

Topic specific abstract searches



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Research

Directed Neurological Emergencies Research Grant

- \$ 25-50,000 per grant
- Emergency Medicine Foundation (EMF)
- Promotes new knowledge relating to the diagnosis and acute management of neurological emergencies
- Directed to Emergency Medicine researchers

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Research

Seed Grants / Unsolicited Proposals

- Up to \$5,000 grants
- Promote new research
- Help secure future funding
- Identify the support source
- Specific area of interest
- Available for all EM practitioners

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Education

Ongoing Education: FERNE Survey

- Neurological emergencies clinical practice
- Optimal learning settings and methods
- Suggested topics and teaching strategies
- Conducted during 2006
- 400+ surveys to date
- Presentation during 2006 Research Forum
- Goal: enhanced learning and patient care
- May your preferences known!

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Edward P. Sloan, MD, MPH, FACEP 

ED Seizure and Status Epilepticus Patient Management: Seizure and SE Guidelines Regarding AED Use

Edward P. Sloan, MD, MPH, FACEP 

Andrew Jagoda, MD, FACEP

***Professor
Vice Chair for Academic Affairs***

**Department of Emergency Medicine
Mt Sinai College of Medicine and
Hospital, New York, NY**

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Key Clinical Questions

- What are the options and priorities in the treatment of ED seizure and SE patients based on the current clinical policies and guidelines?
- What do the current guidelines recommend regarding which specific 1st or 2nd generation should be used in which ED seizure and SE patients?

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***Second Generation AEDs:
Characteristics, Guidelines
and Patient Selection in the ED***

Edward P. Sloan, MD, MPH, FACEP 

Yevgenya Kaydanova, MD, PhD, FAAN

*Assistant Professor
Director, EEG Lab and Epilepsy Clinic*

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Rehabilitation Medicine
University of Illinois College of Medicine
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Key Clinical Questions

- What are the second generation AEDs, and how do they differ from one another and the first generation AEDs with respect to clinical effectiveness, safety, and ease of use?
- What priorities guide neurologists and epileptologists as they choose AEDs for use in the long-term treatment of epilepsy patients who are diagnosed in the ED?

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***ED Seizure and Status Epilepticus
Patient Management:
A Neurologist's Perspective on
Treatment Objectives & AED Use***

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Gregory K. Bergey, MD, FAAN

*Professor of Neurology
Director, Johns Hopkins Epilepsy Center
Vice-Chair for Neurological Laboratories*

**Department of Neurology
Johns Hopkins University
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Key Clinical Questions

- What are the priorities of the neurologist or epileptologist who treats the seizure and epilepsy patients who are seen in follow-up after hospital admission or ED discharge?
- How can the neurologists' priorities be optimally met as emergency physicians diagnose, treat, and document the care of ED seizure and epilepsy patients?

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**1st and 2nd Generation
Antiepileptic Drug
Use in the ED:
*Optimal 2007 Strategies***

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*Professor
Research Development Director*

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Key Clinical Questions

- What ED seizure and SE patient types might be optimally treated through the use of a first or second-generation AED based on the stated priorities and options?
- What recommendations can be made regarding the ED use of 1st and 2nd generation AEDs in 2007?

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Housekeeping

- Content via website
- CME via University of Illinois at Chicago
- Evaluations...Please provide us feedback!
- Survey: help us to help you!
- Want more information?
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 - ferne@ferne.org

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Thank You

- ACEP
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- Eisai, Inc. and their grant staff
- All of you

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Thank you.

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