






**FERNE/EMRA Session:**

**SIM Wars**  
Residency Simulation Competition:  
*A Model for Learning Neurological Emergencies*




Edward P. Sloan, MD, MPH




**2009 ACEP Scientific Assembly & EMRA Semi-Annual Meetings**

Boston, MA  
October 6, 2009



Edward P. Sloan, MD, MPH




**Edward P. Sloan, MD, MPH**

**Professor**

**Department of Emergency Medicine**  
**University of Illinois at Chicago**  
**Chicago, Illinois**

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**Attending Physician**  
**Emergency Medicine**

**University of Illinois Hospital**  
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**Chicago, IL**

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**www.ferne.org**

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Overview

**Mission Statement Preamble**

The Foundation for the Education and Research in Neurological Emergencies is an independent not-for-profit organization committed to the following principles:

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Overview

## Mission Statement Principles

- Patients with neurologic emergencies deserve quality emergency care.
- The emergency care for neurologic emergencies can be enhanced through quality scientific research.
- Emergency medical care providers can provide optimal medical care for patients with neurological emergencies through participation in quality medical education that highlights state-of-the-art neurologic care.

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## Industry Collaborators

Abbott Laboratories	Genentech
Adam Williams Initiative	GTE
Alexza Pharmaceuticals	Janssen Pharmaceutical
AstraZeneca	Novo Nordisk, Inc.
Boston Scientific	The Medicines Company
Bristol Myers Squibb	Ortho-McNeil Pharmaceutical, Inc.
Concentric Medical	Parke-Davis
Eisai Inc.	Pfizer
EB Medicine	Roche Pharmaceutical
EKR Therapeutics, Inc.	UCB Pharma, Inc.
EMA	

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## Academic Collaborations

American Academy of Emergency Medicine (AAEM)  
American Stroke Association (ASA)  
American College of Emergency Physicians (ACEP)  
Emergency Medicine Foundation (EMF)  
Emergency Medicine Residents' Association (EMRA)  
European Society for Emergency Medicine (EuSEM)  
Illinois College of Emergency Physicians (ICEP)  
International Brain Injury Association (IBIA)  
Mount Sinai School of Medicine, NY (MSSM)  
National Institute of Neurological Disorders and Stroke (NINDS)  
Resuscitative Hypothermia Academic Industry Roundtable (RHAIR)  
Society for Academic Emergency Medicine (SAEM)

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## Board Chairman and President

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*Professor*  
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University of Illinois School of Medicine

*Attending Physician*  
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University of Illinois Hospital, Chicago  
Our Lady of the Resurrection Hospital, Chicago

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*Attending Physician*  
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*Attending Physician*  
Department of Emergency Medicine,  
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Mayo Medical School  
Rochester, Minnesota

Consultant  
Chair, Emergency Medicine Education  
Division of Emergency Medicine  
Mayo Clinic, Jacksonville

Sydney Starkman, MD, FACEP

Professor of Emergency Medicine and  
Neurology  
Director, Emergency Stroke Program  
University of California Los Angeles  
Los Angeles California

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Heather Prendergast, MD



Associate Professor of Emergency Medicine  
University of Illinois  
Chicago, IL

Jonathan Edlow, MD



Associate Professor of Emergency Medicine  
Beth Israel Hospital  
Boston, MA

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## Extended Advisory Board

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**30 Members**  
**Emergency Medicine Physicians**  
**Provides input regarding needs and future directions**  
**Advisory board last convened May 2004**  
**Insights into FERNE priorities and educational needs**

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Education

## Case-based Learning

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**Uniform content**  
**Case presentation**  
**Key Learning Points**  
**Introduction, discussion of the clinical disease state**  
**Optimal ED management strategies**  
**Patient outcome**  
**References**  
**Annotated bibliography**  
**Questions and answers**

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Education

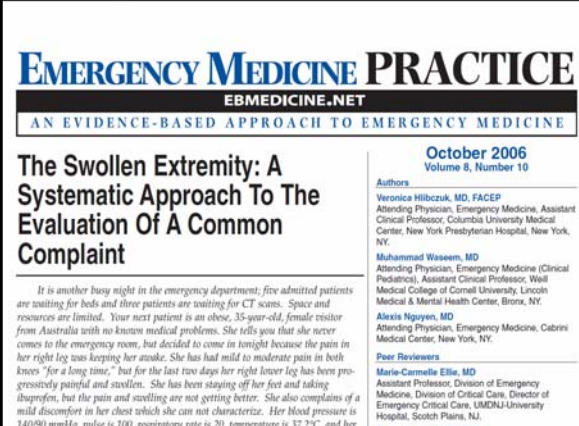

## CME

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**CME available through the EB Medicine (ebmedicine.net)**  
**Available for all FERNE educational meetings**  
**Free for all course attendees**



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**EMERGENCY MEDICINE PRACTICE**  
EBMEDICINE.NET  
AN EVIDENCE-BASED APPROACH TO EMERGENCY MEDICINE

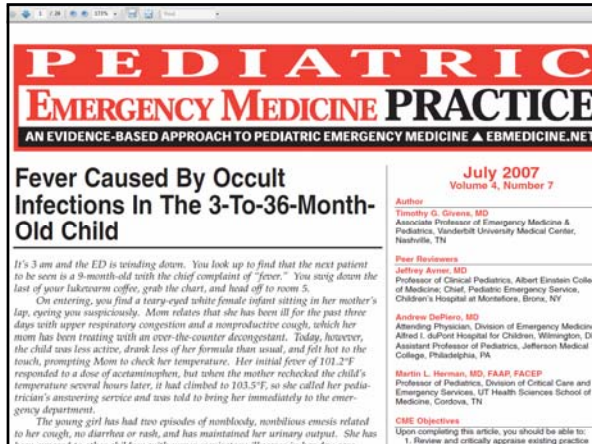
October 2006  
Volume 8, Number 10

**The Swollen Extremity: A Systematic Approach To The Evaluation Of A Common Complaint**

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Nicholas Genes, MD, PhD

*It is another busy night in the emergency department; five admitted patients are waiting for beds and three patients are waiting for CT scans. Space and resources are limited. Your next patient is an obese, 35-year-old, female visitor from Australia with no known medical problems. She tells you that she never comes to the emergency room, but decided to come in tonight because the pain in her right leg was keeping her awake. She has had mild to moderate pain in both knees "for a long time," but for the last two days her right lower leg has been progressively painful and swollen. She has been staying off her feet and taking ibuprofen, but the pain and swelling are not getting better. She also complains of a mild discomfort in her chest which she can not characterize. Her blood pressure is 140/90 mmHg, pulse is 100, respiratory rate is 20, temperature is 37.2°C, and her oxygen saturation is 98% on room air. You note that her right ankle is difficult to palpate.*



Education

## Other 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

## Supplements

### Planned Seizure Publication

*Emergency Medicine Clinics 2010*  
Comprehensive state-of-the-art Seizure Data  
15 Manuscripts total

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Education

## Meeting Attendance and Evaluations

83 FERNE meetings

- ~ 463 Educational Lectures, 14 Research Lectures
- ~ 189 Speakers
- ~ 5950 physicians in attendance
- ~ 11,100 contact hours

Evaluated as excellent or good by 97% of learners

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Education

## Web-based Learning: Website

**Mission Statement**  
The Foundation for the Education and Research in Neurological Emergencies is an independent not-for-profit organization committed to the following principles:

- Patients with neurologic emergencies deserve quality emergency care.
- The emergency care for neurologic emergencies can be improved through quality scientific research.

**Part Educational Meetings**

- International Emergency Medicine Conference, Havana, Cuba, February 2003
- AANW Scientific Assembly, New Orleans, LA, February 2003
- ACEP On Our Watch: Overcoming and Betterment, Chicago, IL, January 2003
- NIH Stroke Symposium, Washington, D.C., December 2002

**Upcoming Meetings**

- SANW Annual Meeting, Boston, MA, May 2003
- NIH Stroke Symposium, Washington, DC, May 2003
- NIH Stroke Symposium, Washington, DC, May 2003
- NIH Stroke Symposium, Washington, DC, May 2003
- NIH Stroke Symposium, Washington, DC, May 2003

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Education

## Web-based Learning: EMedHome.com


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

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Education

### Web-based Learning: Video Slideshows

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



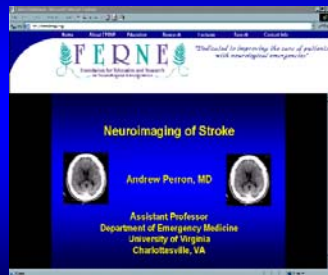
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Education

### Web-based Learning: Slide Lectures

Download or view online



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Education


### Handheld Software: HandiStroke Rx

HANDi Stroke Rx Available free from [www.ferne.org](http://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


### Handheld Software: SeizureStat©

SeizureStat© Available free from [www.ferne.org](http://www.ferne.org)

- Written at University of Illinois, Chicago
- Funded by FERNE
- Written materials
- Urgent SE protocol
- Information on 10 urgent meds



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Research

### Directed Neurological Emergencies Research Grant

- Up to \$ 50,000 per Grant
- \$300,000 awarded with EMF support
- Promotes new knowledge relating to the diagnosis and management of neurological emergencies in the medical community
- Directed to researchers in established emergency medicine research program
- One directed research grant per institution, per cycle, is awarded

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Research

### Directed Neurological Emergencies Research Grant

- Christopher Barton, MD
- UCSF
- Emergency Department Assessment of Secondary Brain Insults in ICH
- Jane Brice, MD, MPH
- UCSF
- Stat 911: Stroke Assessment Tool for 911

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Research  
**Directed Neurological Emergencies Research Grant**

- **Andrew W. Asimos, MD**  
• *Carolinas Medical Center*  
• **A Prospective Validation Study of the ABCD Score and Kaiser Criteria for Short-term Stroke Risk after ED Diagnosis of TIA**
- **Michael Ross, MD**  
• *William Beaumont Hospital Research Institute*  
• **The Emergency Department Transient Ischemic Attack Accelerated Diagnostic Protocol**

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Research  
**Seed Grants / Unsolicited Proposals**

- Up to \$5,000 grants, \$25,000 total
- Promote new research
- Help secure future funding
- Identify the support source
- Specific area of interest
- Available for all EM practitioners

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Opportunities For Involvement  
**How You Can Become Involved**



- Development of new cases
- Become a speaker
- Tell us about your preferred:
  - Symposia, content, venues
  - Learning methods
  - Research grants
- Develop technology based applications

• **Contact us: [ferne@ferne.org](mailto:ferne@ferne.org)**

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



**[www.ferne.org](http://www.ferne.org)**  
**Check It Out!**



***FERNE/EMRA Session:***


**Treating Ischemic Stroke Patients Using a 3 to 4.5 Hour tPA Window**



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**Today's Meeting**

- Grants by Genentech, EKR Therapeutics, the Medicines company
- Content developed independently
- CME via EB Medicine
- Please comment Re: format, content
- Thank you to Carla, Michele, Leah, EB Medicine, the EMRA Board and its members, and all of you!

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**Questions?**

[www.FERNE.org](http://www.FERNE.org)

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