

**FERNE / FERNE 10th ANNIVERSARY:  
FERNE at 10 Years : Long-range Planning Session and Celebration  
Edward P. Sloan, MD, MPH, FACEP**

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***FERNE at 10 Years :  
Long-range Planning Session  
and Celebration***


Edward P. Sloan, MD, MPH



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**Chicago, IL  
May 15, 2007**


Edward P. Sloan, MD, MPH



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**Welcome!**

Edward P. Sloan, MD, MPH




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

**Professor**

**Department of Emergency Medicine  
University of Illinois College of Medicine  
Chicago, IL**

Edward P. Sloan, MD, MPH




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**Attending Physician  
Emergency Medicine**

**University of Illinois Hospital  
Our Lady of the Resurrection Hospital**

**Chicago, IL**

Edward P. Sloan, MD, MPH



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## Disclosures

- NovoNordisk, King Pharmaceuticals, UCB Pharma Advisory Boards
- Eisai Speakers' Bureau
- ACEP Clinical Policies Committee
- ACEP Scientific Review Committee
- Executive Board, FERNE
- FERNE: Multiple supporters

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## Session Supporters

- Adam Williams Initiative
- The Medicines Company
- Concentric Medical
- Emergency Medical Associates
- Clinical Decisions Consortium

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## Overview



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:



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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Overview

## Goals

- Improved patient care
- Enhanced diagnosis
- Optimal management
- Greater understanding of epidemiology
- Improved patient advocacy




Overview

## Strategies

FERNE plans to achieve these goals through:


- Development of educational curricula
- Training of professionals
- Development of a network of academicians
- Collaboration with universities
- Collaboration with medical centers
- Development of pilot research projects
- Stimulating long-term federal funding
- Collaboration with non-profit organizations
- Publishing scientific manuscripts



Overview

## Disease Interests

- Cerebellar hemorrhage
- Cerebral hemorrhage
- Chronic neurological disorders
- CNS tumors
- Developmental disorders
- Encephalitis
- Epilepsy
- Guillain-Barré Syndrome
- Headache syndromes
- HIV-related CNS disorders
- Ischemic stroke



Overview

## Disease Interests

- Meningitis
- Neuromuscular disorders
- Neuropsychiatric disorders
- Pain syndromes
- Pediatric neurological disorders
- Seizure disorders
- Spinal cord injury
- Subarachnoid hemorrhage
- Traumatic brain injury
- Vertigo




# Administrative



Administrative

## Foundation History

- Initial grant from Parke-Davis
- Incorporated in Delaware, 1997
- Not-for-profit organization (501-C3)
- Registered to do business in Illinois
- Registered as non-profit organization in Illinois



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Administrative

### Industry Collaborators

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



Administrative

### 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 Symposium (NINDS)
- Resuscitative Hypothermia Academic Industry Roundtable (RHAIR)
- Society for Academic Emergency Medicine (SAEM)



Administrative

### Board Chairman and President

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



**Professor**  
Department of Emergency Medicine,  
University of Illinois School of Medicine

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



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**Professor and Vice Chair**  
Residency Program Director,  
Department of Emergency Medicine,  
Mount Sinai School of Medicine, New York, NY

**Attending Physician**  
Department of Emergency Medicine,  
Mount Sinai School of Medicine, New York, NY

**J. Steven Huff, MD, FACEP - Secretary**



**Associate Professor**  
Emergency Medicine and Neurology,  
University of Virginia

**Attending Physician**  
Department of Emergency Medicine,  
University of Virginia



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### Executive Board Members

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**Professor and Chair**  
Department of Emergency Medicine  
University of Michigan, Ann Arbor

**Attending Physician**  
Department of Emergency Medicine  
University of Michigan, Ann Arbor

**E. Bradshaw Bunney, MD, FACEP**



**Associate Professor**  
Department of Emergency Medicine  
University of Illinois School of Medicine

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



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**Scott M. Silvers, MD, FACEP**



**Assistant Professor of Medicine**  
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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## Administrative Staff

Charrise M. O'Neill, RN, BS, CCRC

*Executive Director*  
Department of Emergency Medicine  
University of Illinois at Chicago



Carla B. Sloan, MBA


*Business Manager*  
Chicago, IL



Administrative

## Extended Advisory Board

- 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




Administrative

## Technology

- Current use of MS Producer allows viewing of educational content with Windows Media Player
- Simulcasting Capabilities for Live International Participation via Centra Symposium
- Real Media Hosted on Helix Server
- Wireless Microphone System for Optimal Recording
- Canon XL1 digital camcorder
- Adobe Video Editing Software
- CD / DVD duplication capabilities
- Dedicated Technology Support Staff




# Education



Education

## Intended Audiences


- Emergency Medicine practitioners
- Emergency Medicine residents
- Emergency Medicine educators
- Non-physician providers of emergency care
- Advocacy Groups
- Emergency Medicine Organizations
- Government and Public Health Organizations
- Industry Sponsors
- Neurologic Emergency patients and their families



Education

## FERNE Courses

- Provided in conjunction with national meetings
- 60-90 minute presentations
- Case-based format
- Key learning points
- Review of clinical guidelines
- Optimal ED management strategies
- Enhanced patient outcomes



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Education

## Branded Product: Case-based Learning

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



Education

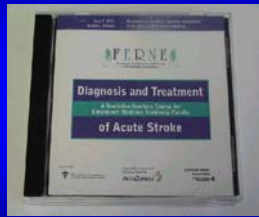
## Branded Product: Binders and CD - ROMs

- Binders
  - Cases, introductions, case outcomes, references, annotated bibliographies
  - PowerPoint presentation handouts
  - Course evaluation forms
- CD-ROM
  - PowerPoint Slideshows
  - Course Content in Acrobat PDF
  - Annotated PowerPoint slides



Education

## Branded Product: Binder and CD - ROMs



Education

## Educational Meetings

- Teach-the-Teachers Courses
- Practitioners' Courses
- Residents' Courses



Education

## CME

- CME available through the University of Illinois College of Medicine
  - Available for all FERNE educational meetings
  - Free for all course attendees
- Future plans
  - Interactive, web-based CME
  - Available following cases provided on website



Education

## Other Educational Materials

Laminated Neurological Exam & Stroke Materials

- Developed for use in managing ED patients
- Published Fall 2003
- NIHSS content
- Quick confusion scale
- Adult and pediatric GCS scoring





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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




Education

## Supplements

### Planned Seizure Supplement

- *Annals of Emergency Medicine*
- To be published in Fall 2007
- Comprehensive state-of-the-art Seizure Data
- 20 Manuscripts total



Education

## FERNE Activities at International Meetings

- *SIEMU / ACEP Global Emergency Medicine Congress*  
Torino, Italy; November 2006
- *EuSEM 4<sup>th</sup> European Congress on Emergency Medicine*  
Heraklion-Crete, Greece; October 2006
- *Third Mediterranean Emergency Medicine Congress*  
Nice, France; September 2005
- *ACEP Clinical Policies Meeting*  
Santiago, Chile; November 2003
- *Second Mediterranean Emergency Medicine Congress*  
Sitges, Spain; September 2003



Education

## FERNE Activities at International Meetings


- *IBIA Traumatic Brain Injury Conference*  
Stockholm, Sweden; May 2003
- *International Emergency Medicine Conference*  
Havana, Cuba; February 2003
- *IBIA World Meeting*  
Stockholm, Sweden 2002
- *ACEP Clinical Policies*  
Amsterdam, The Netherlands; April 2002
- *First Mediterranean Emergency Medicine Congress*  
Stresa, Italy; September 2001



Education

## FERNE Activities at National EM Meetings


- American Academy of Emergency Medicine (AAEM)
- American College of Emergency Physicians (ACEP)
- Emergency Medicine Residents' Association (EMRA)
- Society for Academic Emergency Medicine (SAEM)



Education

## Meeting Attendance and Evaluations

- 65 FERNE meetings
- 403 Educational Lectures
- 14 Research Lectures
- 181 Speakers
- More than 3500 physicians in attendance
- 8472 contact hours
- Course evaluated as excellent or good by 97% of attendees



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Education

## Upcoming FERNE Courses and Venues

- Clinical Decision Making in Emergency Medicine  
Ponte Vedra, Florida; June 21-23, 2007
- 4th Mediterranean Emergency Medicine Congress  
Sorrento, Italy; September 15-19, 2007
- 2007 Advanced Emergency and Acute Care Medicine Conference  
Atlantic City, New Jersey; September 24-26, 2007



Education

## Web-based Learning: Website





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



Education

## Web-based Learning: E-MedHome.com


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

Education

## Web-based Learning: Content

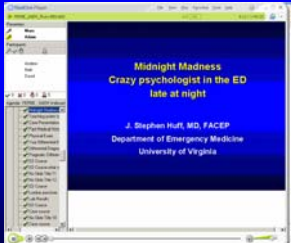

- Videostreamed slide-based content
- Audio from narrated slideshows
- Downloadable slide-based lectures
- Written case-based content in PDF format
- J.A.D.E. Abstract Search



Education

## Web-based Learning: Webcasting

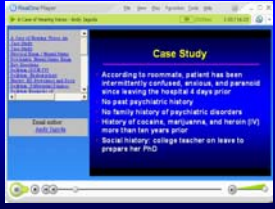

- FREE
- Live, international simulcasting using Centra Symposium technology

Education

## Web-based Learning: Narrated Slideshows

- Audio and slide content
- Able to access individual slides for specific content
- REAL software

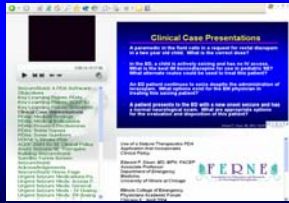
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Education

### 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



Education

### Web-based Learning: Slide Lectures


Download or view online



Education

### Web-based Learning: Text Background


Adobe PDF files for downloading and printing



Education

### Web-based Learning: Text Background

Viewing online



Education

### Web-based Learning: Abstract Search

Topic specific abstract searches




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


**Research**



Research

**Rationale**

- Increase the number of physicians doing research
- Increase research in neurologic emergencies
- Presentation of research in neurologic emergencies
- Publication of research in neurologic emergencies
- Long-term funding for research in neuro emergencies




Research

**Supported Grants**

Research support is provided by FERNE via three mechanisms:

- FERNE/EMF \$25,000-\$50,000 Directed Neurologic Emergencies Research Grant
- Seed grants
- Unsolicited proposals



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




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



Research  
Directed Neurological Emergencies Research Grant


**John Duldner, MD**  
*Akron General Medical Center*  
 Spontaneous Intracerebral Hemorrhage – Compliance, Hyperacute Management, and Mortality After Published Guidelines

**Edward Jauch, MD, MS**  
*University of Cincinnati*  
 Functional Proteomics Identification of Serum Proteins Associated with Intracerebral Hemorrhage Following Thrombolytic Therapy for Acute Ischemic Stroke




Research  
Directed Neurological Emergencies Research Grant

**Kevin Curtis, MD**  
*Hospital of the University of Pennsylvania*  
 Mitochondrial Calcium Overload in Acute Neuronal Injury




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




Research  
Seed Grants

- FERNE Seed grants:
  - **John Duldner, MD**
    - Akron General
    - “ED Rx of Intracranial Hemorrhage Pts”
  - **David E. Newman-Toker, MD**
    - Johns Hopkins University
    - “Building a New Model of ED Dizzy Pts”



Research  
Seed Grants

- FERNE Seed grants:
  - **Kevin Baumlín, MD**
    - Mount Sinai Medical Center
    - “Development of HANDi Stroke Rx Software ”
  - **Andrew Chang, MD**
    - Univ California Irvine
    - “Use of the Epley Maneuver in ED Patients”



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Research

**Seed Grants**

- FERNE Seed grants:
- *Mona Lala, MD and Jarrod Wright, MD*
  - University of Illinois at Chicago
  - Resurrection Medical Center
  - "Head Injury in Sport Karate Competition "



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)



www.ferne.org  
**Check It Out !**

**FERNE at 10 Years :  
Long-range Planning Session**

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**Key Success Elements**

- A mission
- Organizations
- Content
- Vehicles for message delivery
- People who care


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**Key Questions**

- How to create synergies?
- How to make the info compelling?
- How to get people to care?
- How to support the initiatives?
- How to measure success?

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***FERNE at 10 Years :  
Celebration, Thank You***

Edward P. Sloan, MD, MPH




**FERNE Staff**

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- Stephen Eder, MD, MS, MPH

Edward P. Sloan, MD, MPH




**FERNE Staff**

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- Adam Schlichting, MD

Edward P. Sloan, MD, MPH



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- Charrise O'Neill, RN, BS, CCRC



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- Li Lui
- Jonathan Kaplan

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## **FERNE Supporters**

- All of you!
- Thank you all!

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