


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.



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



Administrative

Industry Collaborators

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



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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Executive Board Members

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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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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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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



Administrative

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



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

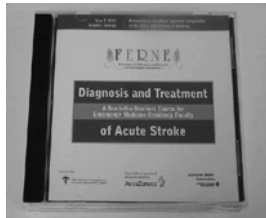
Branded Product: Binders and CD - ROMs

- 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

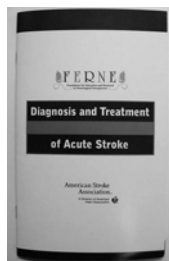


Education

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 4th 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

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



Education

Upcoming FERNE Courses and Venues

- **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
- **28th Annual Current Concepts in Emergency Care**
Wailea, Hawaii; December 2-7, 2007



Education

Web-based Learning: Website



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

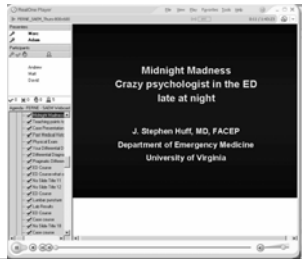
- Videostreamed slide-based content
- Audio from narrated slideshows
- Downloadable slide-based lectures
- Written case-based content in PDF format
- J.A.D.E. Abstract Search



Education

Web-based Learning: Webcasting

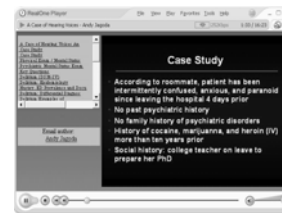
- FREE
- Live, international simulcasting using Centra Symposium technology



Education

Web-based Learning: Narrated Slideshows

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



Education

Web-based Learning: Video Slideshows

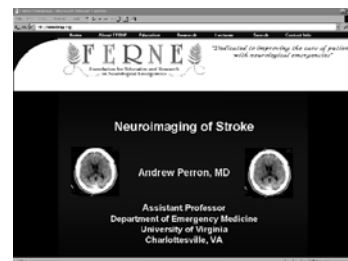
- Audio, video and slide content
- Able to access individual slides for specific content
- MS Producer, viewable with Windows Media Player



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

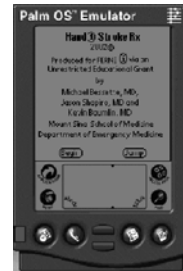


Education

Handheld Software: HandiStroke Rx

HANDi Stroke Rx Available free from www.ferne.org

- 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



Education

Handheld Software: SeizureStat©

SeizureStat© Available free from 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 \$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 W. Barton, MD

University of California, San Francisco
Emergency Department Assessment of Secondary Brain Insults in Intracerebral Hemorrhage

Janice H. Brice, MD, MPH

University of North Carolina
STAT 911: Stroke Assessment Tool for 911



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 awarded to date
- 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 (Up to \$5,000):
- **John Duldner, MD**
 - Akron General
 - “EM 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 (Up to \$5,000):
- **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”



Research

Seed Grants

- FERNE Seed grants (Up to \$5,000):
- **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





www.ferne.org
Check It Out !

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