EMS Academics N.O.S.

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Underlying Theme

Almost all academic ventures rely on the ability to write

– Grant applications
– Research papers
– Other work products
– Contracts
– Correspondence
– Curricula
Scientific Writing in EMS: Know The Literature!

- Academic Emergency Medicine
- Annals of Emergency Medicine
- Journal of Emergency Medicine
- Prehospital Emergency Care
  - NAEMSP, NASEMSD, NAEMSE
- Prehospital and Disaster Medicine
  - WADEM
Non-EM/EMS-specific journals

- NEJM
- JAMA
- J Trauma
- Resuscitation
- Circulation
Editing in the EMS Literature

1. Peer reviewing manuscripts
   – Improve manuscripts, find fatal flaws, etc.

2. Decision editor
   – Shape the style and content of the journal

3. Editor-in-chief (or close to it)
   – Budget, politics, etc.
Peer review of EMS manuscripts

- Very helpful to have “field perspective”
- Need working knowledge (or better) of such things as epidemiology, research methodology, statistics, validity (internal, external, construct), etc.
- The three key traits:
  - Thorough
  - Supportive
  - Timely
Service to National Organizations and Specialty Societies: EM-Based

- American Academy of Emergency Medicine
- American College of Emergency Physicians
- National Association of EMS Educators
- National Association of EMS Physicians
- Society for Academic Emergency Medicine
How to get involved?

- Membership sections / interest groups
- Committee work
  - Position papers, white papers
  - Didactic presentations at meetings
  - Comment on government work products
- Newsletter
- Journals
Service to National Organizations and Specialty Societies: EMS

Provider education organizations:

- CoAEMSP: Committee on Accreditation of educational programs for the EMS Professions
  - Accredits initial certification programs
  - 8 sponsoring organizations

- CECBEMS: Continuing Education Coordinating Board for EMS
  - Accredits continuing education programs
  - 8 sponsoring organizations
Service to National Organizations and Specialty Societies: EMS

Credentialing organizations:

- Commission on Accreditation of Ambulance Services (mostly ground)
- Commission on Accreditation of Medical Transport Services (mostly air)
- National Academies of Emergency Dispatch (needs RESEARCH!)
Physician Education

SAEM: Credentials programs for the SAEM / Medtronic Physio-Control Fellowship in EMS

NAEMSP: Beginning work on a comprehensive model for physician education in EMS:
- Core Content
- Scope of Practice
- Education standards
- Education program credentialling
- Certification
Other organizations

EMS physicians often take lead roles in national and international academic projects sponsored by organizations not based at academic institutions.
American Heart Association

Emergency Cardiovascular Care:

- BLS Chair: Dr. Michael Sayre
- ACLS Chair: Dr. Robert O’Connor

Excellent opportunity for abstracts
Centers for Disease Control

Dr. Rick Hunt: Director, Division of Injury and Disability Outcomes and Programs

Injury Research Agenda: June 2002
  – Mostly prevention

Acute Care Research Agenda
  – Includes mass casualty & disaster response
National Highway Traffic Safety Administration

- Dr. Ricardo Martinez
- Dr. Jeff Runge

Medical Fellowship: Jeff Runge, Federico Vaca, Knox Todd
NHTSA EMS Projects

EMS Agenda for the Future
  – Ted Delbridge, MD – University of Pittsburgh

National EMS Research Agenda
  – Michael Sayre, MD – Ohio State University
Summary

- Get good at writing

- Sign up for projects with meaningful work products (and do a good job)

- Look for a niche (deep & narrow)