



**EVIDENCE BASED EMERGENCY MEDICINE WORKING GROUP
THE New York ACADEMY OF MEDICINE
SECTION ON EMERGENCY MEDICINE**

History and Summary of the Collaboration

Spring 2008

Mission

The EBEM Working Group primarily seeks to improve the quality of health care delivered to patients presenting to emergency departments by advancing education and project development in evidence-based practice within emergency medicine. Secondly, we seek to advance the primary goal through cross specialty and interdisciplinary collaborations.

Inception

The Evidence-Based Emergency Medicine Working Group was formed within the Section on Emergency Medicine of the New York Academy of Medicine during the late summer of 1997. It has been meeting regularly under the auspices of the Section since October of that year. Emergency medicine faculty from 5 different academic programs in the NYC area attended the first meeting and became our charter members. Within one year, members representing 3 other programs had joined and a listserv website had been created. Within the same year the collaboration joined forces with a National Library of Medicine funded effort and was actively involved in multidisciplinary educational activities based at the Academy Library.¹

Activities

Education in Evidence Based Practice

Workshops at New York Academy

- 1998-2000 In partnership with the Resource Center Project organized by the NYAM Library under the direction of Rosanne Leipzig with funding from the National Library of Medicine, we held a series of 3 workshops for emergency physicians modeled on the McMaster small group format.¹ With the third workshop in this series we initiated national promotion of the Emergency Medicine Track and received an overwhelming response.
- 1998-2000 We took part in evening education sessions at the New York Academy in partnership with the Resource Center Project group described above.
- 2002-Present We initiated and sustained an annual workshop in “Evidence Based Emergency Medicine” under our own administration. Over 250 physicians from emergency medicine, pediatrics and internal medicine have attended our tracks at the workshop since 1998. Faculty members at these workshops have included numerous nationally known educators in all of these specialties.

Off site workshops

- 2003 Albert Einstein Medical Center, Philadelphia, PA, Department of Emergency Medicine, Full day workshop, 3/6/03
- 2003 Brooklyn Hospital, Department of Emergency Medicine, Half day workshop, 9/4/03
- 2006 Northshore University Hospital, LI, NY, Department of Emergency Medicine, Grand Rounds and workshop demonstration session, 9/13/06
- 2007 University of Colorado Health Sciences Center, Division of Emergency Medicine. Full day workshop, 6/18/07
- 2008 Lincoln Medical and Mental Health Center, Bronx, New York. Half day workshop, 1/16/08.

Special Appearances

- 1998 Presentation on EBM and Research given on behalf of our collaboration by Dr. Barney Eskin, Resident Research Day program at New York Academy of Medicine sponsored by CORD for EM, 9/9/98

Special EBM Training.

Our workshop efforts have encompassed special training initiatives:

23 Librarian students, representing 8 academic medical centers in the NY region have attended our workshops since we took over the administration of our series in 2002. These students have become important sources of clinical resource expertise within their institutions.

Our 2005 workshop hosted a group of Brazilian cardiologists and intensivists. This became the springboard for a series of EBM workshops hosted by PROCEP-Pro Cardiaco Hospital in Rio de Janeiro which are the first of their kind in that country.

Our 2006 workshop included faculty from the Department of Pediatrics, Bronx Lebanon Hospital. These individuals initiated their own series of hospital based EBM conferences in 2007 under the auspices of a grant from the Human Resources and Services Administration.

EBM Authorship Training

- 2005-06 We initiated an innovative seminar in authorship of EBM reviews New York Academy led by members of the collaboration who are also editors for the EBEM section of *Annals of Emergency Medicine*. The first of these seminars resulted in the re-initiation of a series of original EBEM reviews in that journal. This is the only extra-mural training opportunity of its kind in the NY region.
- 2008 A second authorship seminar modeled on the first and attended by 21 participants from emergency medicine and pediatrics.

EBM Evaluation and Assessment

- 2004-06 In collaboration with the Center for Education Research and Evaluation (CERE) of the Columbia University Medical Center (CUMC), we initiated a project to develop assessment approaches and tools for participants attending EBM training programs such as the NYAM workshops. Results of administering a diagnostic assessment tool to NYAM workshop participants over a two year period have been presented as part of the annual RIME conferences sponsored by the AAMC in 2005 and 2007. A full report is currently under review.² This effort subsequently led to a successful application to the prestigious Stemmler Fund of the NBME for a project to rigorously develop and evaluate assessment tools for the EBM skills embedded within the ACGME definition of practice-based learning and improvement. Dr. Wyer is the PI and other members of our collaboration are actively part of the effort which is based at CERE and at Columbia University Teachers' College.

EBM Resource and Capacity Development

- 1998 The EBEM.org website was installed on the NYAM server as our website in April 1998. Originally developed with Dr. Stuart Weiss for an intra-mural use,³ it includes innovative features including a step by step didactic introduction to EBM, as well as links to EBM sites and calculators. Dr. Weiss remained an active member of our collaboration through most of 1998.
- 1998 The EBEM listserv was established on the NYAM server in December 1998 under the moderation of Dr. Benson Yeh. This provides a communication framework for discussion and project collaboration for all individuals with an active interest in development of EBM within Emergency Medicine. It has served as the listserv for the EBM Interest Group of the Society for Academic Emergency Medicine (SAEM) since the latter's formation, also in December 1998.

- 1998 The EBM Interest Group of SAEM developed as an outgrowth of the NYAM collaboration and held its first formal meeting in May of 1999. 2 of the 4 chairs of the EBM IG, including the inaugural chair, have been core members of the NYAM group. The SAEM IG provides a national and international framework for development and utilization of EBM related initiatives originating in New York.
- 1999 The Journal Club Bank was developed by Dr. Benson Yeh, the webmaster for the EBEM.org website and for the NYAM collaboration, as a password protected Internet site for posting synopses of research reports for purposes of point-of-care access and enhancement of both teaching and practice of EM.⁴ It is based on an innovative concept and was developed in consultation with leading EBM authorities including David Sackett. It has been used by up to 30 EM residency programs since its inception.
- 2001 Vividesk EBEM, an innovative Internet based resource, was developed for use as a vehicle for enhanced preparation and instruction in the context of our workshops.⁵ We developed interactive modules covering the essential skill domains of evidence-based practice. The Vividesk vehicle was developed by the Centre for Health Evidence, University of Alberta, and allows full interactivity and integration of exercises with online resources, the Users' Guides EBM textbook,⁶ full text articles and other instructional materials. The resource we developed has been used in EBM workshops at McGill University, Department of Emergency Medicine and also as the basis of a popular stand alone course on EBM for EM residents and faculty in collaboration with SAEM and the SAEM EBM IG. It also served as the vehicle for the diagnostic assessment pilot project described previously.²

Collaborations and Associations

Over the years since our inception we have enjoyed a diverse range of collaborations and associations with other institutions and organizations.

New York Academy of Medicine Section on Emergency Medicine

Our collaboration is centered within this Section of the Academy

New York Academy of Medicine Library

The New York Academy of Medicine Library has been involved with EBM activities since 1998, first in collaboration with the New York Chapter of the American College of Physicians, and with our Working Group since our inception.

New York Academy of Medicine Library Resource Center Project, Rosanne Leipzig and Eleanor Wallace (dec)

We began our EBM educational activities in partnership with this collaborative project between the New York Academy of Medicine Library and the New York Chapter of the American College of Physicians, which was funded by the National Library of Medicine from 1998-2000.

Society for Academic Emergency Medicine

Collaborations and associations previously described. This is the principal academic organization in Emergency Medicine.

Centre for Health Evidence, University of Alberta

Collaboration on developing the innovative educational materials using the Vividesk Interactive Desktop as described above.

Center for Education Research and Evaluation, Columbia University Medical Center

Collaboration on evaluation project described above.

McMaster Faculty of Health Sciences, CLARITY Group

Our group shares faculty and administrative responsibility for the Emergency Medicine track at the renowned annual EBM workshop at McMaster. Most of our core faculty were trained at the McMaster workshop.

Department of Emergency Medicine, Jewish General Hospital, McGill University, Montreal, Quebec

Our group shares faculty and educational resources with this program, the EBM training effort of which is under the direction of Dr. Eddy Lang.

PROCEP/Hospital Pro-Cardiaco, Rio de Janeiro, Brazil

Our group shares education resources and conducted the initial preparatory training for a series of international EBM workshops sponsored by this institution as innovated and coordinated by Dr. Suzana Alves da Silva.

Funding Sources

Our collaboration is largely funded through tuition and consultancy fees from workshop participants and academic departments. Several corporate sponsors have contributed unrestricted funds following the guidelines of the New York Academy of Medicine for such donations. They are listed on our website, EBEM.org. We have no standing corporate relationships to private industry.

Active Members of the Collaboration

Juan Acosta, DO, MPH	Program Director, Emergency Medicine Residency, St. Barnabas Hospital, Bronx, NY. Fellow of New York Academy of Medicine
David Adinaro, MD	Clinical Assistant Professor, St Joseph's Regional Medical Center Emergency Medicine Residency, New England College of Osteopathic Medicine
Saadia Akhtar, MD	Assistant Professor of Emergency Medicine, Albert Einstein College of Medicine and Program Director, Emergency Medicine Residency, Beth Israel Medical Center, NYC
James Celentano, MD, PhD	Attending in Emergency Medicine, Lincoln Medical and Mental Health Center, Bronx, NY and Columbia University Medical Center, NY
Peter Dayan MD, MSc	Associate Professor of Clinical Pediatrics and Director Pediatric Emergency Medicine Subspecialty Residency (Emergency Medicine), Morgan Stanley Children's Hospital of New York
Caesar Djavaherian, MD	Clinical Assistant Professor of Medicine Weill Cornell Medical College, NYC and faculty member Emergency Medicine Residency, New York Presbyterian Hospital, NY
Barney Eskin, MD, PhD	Clinical Assistant Professor, Department of Surgery, University of Medicine and Dentistry of New Jersey, Associate Research Director, Emergency Medicine Residency, Morristown Memorial Hospital, NJ
Louise Falzon MSc	Health Services Research and Clinical Epidemiology, Mount Sinai School of Medicine
Patricia E Gallagher MLS	Acting Head of Public Services, New York Academy of Medicine Library
Barbara Kilian, MD	Education Fellow, EM Residency, St. Luke's Roosevelt Hospital Center, NYC
Barbara G Lock, MD	Associate Medical Director, Emergency Department, Sound Shore Medical Center, New Rochelle, NY

- Patricia Mongelia, MLS** Research Librarian, Weill Cornell Medical College Health Sciences Library, NYC
- David H Newman, MD** Assistant Clinical Professor of Medicine, Columbia University, and Director of Clinical Research, Department of Emergency Medicine, St Luke's/Roosevelt Hospital Center, NYC
- Benson Yeh MD** Clinical Assistant Professor of Medicine, Weill Cornell Medical College and Director of Emergency Medicine Residency, Brooklyn Hospital, NY
- Peter C Wyer, MD** Associate Clinical Professor of Medicine, Columbia University College of Physicians & Surgeons. Fellow of New York Academy of Medicine
- Shahriar Zehtabchi, MD** Assistant Professor of Emergency Medicine, and Associate Director of Research Department of Emergency Medicine, Downstate Medical Center, Brooklyn, NY

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