

**PROPOSAL and SCHEDULE:**

**ADDITIONAL COURSES to be COMBINED WITH**  
**THE 3<sup>RD</sup> ADMINISTRATION & MANAGEMENT FELLOWSHIP**

**Spring 2010**

**Terrence Mulligan DO, MPH, HPF, FACOEP, FNVSHA, FACEP, FAAEM**  
Co-Director, Emergency Medicine Residency  
UMC Utrecht, Utrecht The Netherlands

Assistant Professor and Faculty, University of Maryland Department of Emergency Medicine  
[t.mulligan@umcutrecht.nl](mailto:t.mulligan@umcutrecht.nl)      [terrymulligan@yahoo.com](mailto:terrymulligan@yahoo.com)

These 5 courses will be advertised to all NVSHA members, all past AMFellows, all opleiders and SEH faculty, and EuSEM membership. They will be offered in parallel or separate from the upcoming 3<sup>rd</sup> AMF cycle this Spring 2010:

1. **Critical Care and Emergency Medicine Essentials**, including 2-3 hours of EM/critical care ultrasound
  - a. One day course during the week of May 3-7, 2010, UMCU
  - b. Faculty: T Mulligan, S Schenkel, M Winters, Dutch faculty
  - c. 30 students max
  - d. Includes 3<sup>rd</sup> AMFellows
  - e. Open to all past AMFellows, opleiders and NVSHA members
  - f. 250 euro / student
- OR-
1. **Emergency Medicine Ultrasound**
  - a. 2-day course during the week of May 3-7, 2010, UMCU
  - b. Faculty: T Mulligan, S Schenkel, M Winters, Dutch faculty
  - c. 30 students max
  - d. Does not include 3<sup>rd</sup> AMFellows
  - a. Open to all past AMFellows, opleiders and NVSHA members
  - e. 595 euro / student
2. **Optimizing Performance in the ED**
  - a. One-two day course May 27-28, 2010, UMCU
  - b. Faculty: M Hernandez, T Mulligan
  - c. 30 students max
  - d. Includes 3<sup>rd</sup> AMFellows
  - e. Open to all past AMFellows, opleiders and NVSHA members
  - f. 250 euro / student
3. **Patient Safety & Critical Thinking in Emergency Medicine**
  - a. Two day course (one day each topic) May 31-June 1, 2010, UMCU
  - b. Faculty: Patrick Croskerry, Sam Cambell, T Mulligan, R Hessels
  - c. 150 students max

- d. Includes 3<sup>rd</sup> AMFellows
- e. Open to all past AMFellows, opleiders and NVSHA members, and UMCU medical students/faculty
- f. Tuition covered by UMCU

**4. Leadership and Academic Excellence in EM**

- a. Two day course June 21-22, 2010, UMCU
- b. Faculty: Amal Mattu, Rob Rogers, Joe Lex, T Mulligan
- c. 50 students max
- d. Includes 3<sup>rd</sup> AMFellows
- e. Open to all past AMFellows, opleiders and NVSHA members
- f. 250 euro / student

**5. Emergency Medicine Comprehensive Review**

- a. One day course June 23, 2010, UMCU
- b. Faculty: Rob Rogers, Joe Lex, T Mulligan
- c. 60 students max
- d. Can include 3<sup>rd</sup> AMFellows
- e. Open to all past AMFellows, opleiders and NVSHA members
- f. 195 euro / student

**6. Critical Care and Emergency Medicine Conference**

- a. One day course June 24, 2010, Leeuwarden
  - b. Faculty: Joe Lex, Michael Kuiper, T Mulligan, P Cameron(?), other invited faculty
  - c. 120 (?) students
  - d. Can include 3<sup>rd</sup> AMFellows, also to present 1-2 Fellowships projects related to CC/EM
  - e. Open to all past AMFellows, opleiders, NVSHA members, and local internal medicine faculty/residents
  - f. TBD / student
-

## 1. Critical Care and Emergency Medicine Essentials

WHO: Open to all past AMFellows, opleiders and NVSHA members

WHAT: One day course, lecture and practical training, May 6, 2010

WHERE: Collegezaal, Calamiteitziekenhuis, UMCUtrecht

WHEN: May 6, 2010, 8:00-17:00

HOW MUCH: 200 euro / person, 30 students max

### Content:

- EM and Critical Care: A necessary Unity
- Critical Care Pathways
- The Creation of Advance Resuscitation Systems
- Interdisciplinary Collaborations in Critical Care
- International collaborations in Critical Care
- EM/CC Research
- EM/CC Fellowships
- EM/CC procedures, including EM/CC ultrasound instruction

### Faculty:

- Michael Winters, MD, FAAEM, FACEP
  - Assistant Professor at University of Maryland School of Medicine
  - Associate Director, EM/IM Program, Univ. of Maryland Dept of EM
  - Founder and co-Director, EM/IM/CC Program, a combined 6-year post-graduate residency that gives certification in EM, internal medicine and critical care
- Stephen Schenkel MD, MPP
  - Assistant Professor at University of Maryland School of Medicine
  - Director, Emergency Department, Mercy Medical Center
- Terry Mulligan DO, MPH
  - Assistant Professor at University of Maryland School of Medicine
  - EM Residency Director, UMC Utrecht

-or-

## 1. Emergency Medicine Ultrasound

WHO: Open to all past AMFellows, opleiders and NVSHA members

WHAT: Two day course, lecture and practical training, May 5-6, 2010

WHERE: Collegezaal, Calamiteit hospital, UMCUtrecht

WHEN: May 5-6, 2010, 8:00-17:00

HOW MUCH: 395 euro / person, 30 students max

### Content:

- Getting Started - Introduction, Physics, "Knobology"
- eFAST - Focused Assessment with Sonography in Trauma:
- Abdominal Aorta
- Hepatobiliary
- FAST, Aorta and Hepatobiliary Scanning
- DVT
- Cardiac
- Vascular Access
- Obstetrics / Gynecology
- Hospital Credentialing Protocols

### Faculty:

- Michael Winters, MD, FAAEM, FACEP
  - Assistant Professor at University of Maryland School of Medicine
  - Associate Director, EM/IM Program, Univ. of Maryland Dept of EM
  - Founder and co-Director, EM/IM/CC Program, a combined 6-year post-graduate residency that gives certification in EM, internal medicine and critical care
- Stephen Schenkel MD, MPP
  - Assistant Professor at University of Maryland School of Medicine
  - Director, Emergency Department, Mercy Medical Center
- Terry Mulligan DO, MPH
  - Assistant Professor at University of Maryland School of Medicine
  - EM Residency Director, UMC Utrecht

## 2. Optimizing Performance in the ED

WHO: Open to all past AMFellows, opleiders and NVSHA members

WHAT: One-two day course, lecture and practical training, May 27-28, 2010

WHERE: Collegezaal, Calamiteit hospital, UMCUtrecht

WHEN: May 27-28, 2010, 8:00-17:00

HOW MUCH: 150-200 euro / person, 50 students max

### Content:

- The ED of Yesterday, Today and Tomorrow
- Saving Time on the Front End: The Vertical Patient
- Accelerating Care: The Role of Diagnostics in Patient Management
- Saving Time on the Back End: Patient Disposition
- The ED as Part of Your System of CARE
- The ED as a New Business Venture
- The Future of the ED Workforce
- Proving Performance
- Case Studies

### Faculty:

- Manny Hernandez MD, MBA
  - Board-certified Emergency Physician
  - Principal and Founder, The Prestantia Group
  - Vice-President of Medical Affairs for sG2 Practice Management group
  - Masters of Business Administration, UC Irvine
- Terry Mulligan DO, MPH
  - Assistant Professor at University of Maryland School of Medicine
  - EM Residency Director, UMC Utrecht

### 3. Patient Safety & Critical Thinking in Emergency Medicine

WHO: Open to all past AMFellows, opleiders, all NVSHA members, and UMCU faculty

WHAT: Two 1-day courses, lecture and practical training, May 31 and June 1, 2010

WHERE: Collegezaal, Calamiteithospital, UMCUtrecht

WHEN: May 31 and June 1, 2010, 8:00-17:00

HOW MUCH: 150 students max, price to be covered by UMCU

#### CONTENT:

##### May 31: Patient Safety:

###### *Core concepts*

- Adverse events
- The individual
- The system
- Safety barriers and Swiss cheese
- Three-bucket model

###### *History of patient safety*

- Old era
- Modern era
- The last decade
- Visibility of error
- Covering up, projection and denial
- Methods of studying error

###### *Types of error*

- Latent
- Near misses
- Omission
- Commission
- Procedural
- Cognitive
- Affective

###### *Systemic factors*

- Physical plant design
- Ergonomics and Human factors engineering
- Ambient factors
- Workload
- Work schedules

###### *Individual factors*

- Training
- Personality
- Gender
- Age

##### June 1: Critical Thinking and Clinical Reasoning:

###### *How we reason and make decisions*

- Evolutionary imperatives
- Historical models
- Dual Process Theory: intuition and analytical thinking
- Heuristics and Biases
- The deep defects of our cognitive machinery

###### *Factors that may impair decision making*

- Knowledge base
- Critical thinking ability
- Cognitive load
- Ambient conditions
- Fatigue
- Sleep deprivation and sleep debt
- Affective state and countertransference
- Confidence and optimism

###### *Critical Thinking*

- Non-critical thinking
- What is critical thinking?
- Nature-Nurture issue
- Taxonomy of critical thinking skills
- Metacognition: reflection on one's thinking

###### *Critical Thinking Interfaces*

- With the literature
- With your colleagues
- With the patient/family
- With the pharmaceutical industry

###### *Logic and the Logical Fallacies / Special topics*

- Feedback
- Judgments of association, causation, and counterfactual arguments
- The logical fallacies
- Decision making in groups and teams
- Complementary alternate medicine
- The need for skepticism
- Clinical decision rules/algorithms/clinical care pathways

### Faculty:

- Pat Croskerry MD, PhD
  - Professor in Emergency Physician, Dalhousie University, Halifax, Nova Scotia, Canada
  - Cross-appointment in the Faculty of Medical Education and in 2002 was appointed a senior clinical research scholar at Dalhousie.
  - His research is principally concerned with the impact of cognitive and affective error on clinical decision-making, specifically on diagnostic error.
  - He has published over 50 articles and 24 book chapters in the area of patient safety and medical education reform. He has given over 300 presentations at local, national, and international levels
  - He has worked in the area of patient safety for the last 15 years
- Sam Campbell MD
  - Associate Professor of Emergency Medicine, Dalhousie University
  - Director of Continuous Quality Improvement, Department of Emergency Medicine, Queen Elizabeth II HSC in Halifax, Nova Scotia, Canada
  - His special interests are: the emergency management of Infectious and respiratory disease, continuous quality improvement and airway management and is currently serving a Fellowship with the Canadian Health Services Research Foundation on the application of research to health service management
- Terry Mulligan DO, MPH
  - Assistant Professor at University of Maryland School of Medicine
  - EM Residency Director, UMC Utrecht
- Roger Hessels MD, FNVSHA
  - SEH-arts at UMCU
- Faculty at UMCU Division of Patient Safety

#### 4. Leadership and Academic Excellence in EM

WHO: Open to all past AMFellows, opleiders and NVSHA members

WHAT: Two day course, lecture and practical training, June 21-22, 2010

WHERE: Collegezaal, Calamiteithospital, UMCUtrecht

WHEN: June 21-22, 2010, 8:00-17:00

HOW MUCH: 195 euro / person, 50 students max

#### Content:

##### Monday 21 June 2010: Leadership and Academic Success in EM

Amal Mattu

1. Navigating the Academic Waters: Keys to Success for Junior Faculty
2. Teaching on the Run in the ED: Successful Teaching in the Informal Setting,
3. Audience-Centered Speaking: Pearls for Successful Presentations

Terry Mulligan

1. Integrating teaching into the academic ED
2. Teaching EM in the International setting

##### Tuesday 22 June 2010: How to Teach Emergency Medicine

Rob Rogers

1. Teaching Medical Students-Best Practices
2. The Nuts and Bolts of Creating an Educational Podcast
3. Habits of Effective Medical Educators
4. How to set up an Excellent Medical Student Rotation
5. Teaching Beyond the Lecture-Using Web 2.0 to Enhance the Educational Experience

Joe Lex

1. How to give a spectacular presentation
2. Fantastic tips for using Powerpoint

#### Faculty:

- Amal Mattu, MD
  - Associate Professor at University of Maryland School of Medicine
  - EM Residency Program Director
  - Areas of interest and research include
    - Resident and faculty development
    - Emergency cardiology
    - Emergency electrocardiography
    - Geriatric emergency medicine
- Rob Rogers, MD
  - Assistant Professor at University of Maryland School of Medicine
    - Director of Undergraduate Medical Education
    - Residency-trained and Board Certified in Emergency Medicine and in Internal Medicine
- Joe Lex MD
  - Associate Professor, Department of EM, Temple University School of Medicine, Philadelphia Pennsylvania, USA
  - Involved in EM for over 40 years
  - An invited speaker for over 250 regional, national and international conferences
  - Winner of multiple awards in EM education
- Terry Mulligan DO, MPH
  - Assistant Professor at University of Maryland School of Medicine
  - EM Residency Director, UMC Utrecht

## 5. Emergency Medicine Comprehensive Review

WHO: Open to all past AMFellows, opleiders and NVSHA members

WHAT: One day course, lecture, June 23, 2010

WHERE: Collegezaal, Calamiteitshospital, UMCUtrecht

WHEN: June 23, 2010, 10:00-15:00

HOW MUCH: 150 euro / person, 70 students max

### Content:

- Comprehensive review of the most critical points of EM core curriculum
- 4 hour program
- This "Just the Facts" talk is unlike anything you've ever attended. At a minimum, it will bolster confidence that you have a strong foundation in emergency medicine
- Emergency Physicians who attend this session feel more confident in their abilities
- Major areas covered:
  - Signs and Symptoms
  - Abdominal & GI
  - Cardiovascular
  - Cutaneous
  - Endocrine & Metabolic
  - Environmental
  - HEENT
  - Hematologic
  - Immunologic
  - Infectious Diseases
  - Musculoskeletal
  - Nervous System
  - Ob / Gyn
  - Psychobehavioral
  - Renal & Urogenital
  - Thoracic & Respiratory
  - Toxicology
  - Trauma
  - Procedures & Skills
  - Other components

### Faculty:

- Joe Lex MD
  - Associate Professor, Department of EM, Temple University School of Medicine, Philadelphia Pennsylvania, USA
  - Involved in EM for over 40 years
  - An invited speaker for over 250 regional, national and international conferences
  - Winner of multiple awards in EM education
  - Course author
- Rob Rogers, MD
  - Assistant Professor at University of Maryland School of Medicine
    - Director of Undergraduate Medical Education
    - Residency-trained and Board Certified in Emergency Medicine and in Internal Medicine
- Terry Mulligan DO, MPH
  - Assistant Professor at University of Maryland School of Medicine
  - EM Residency Director, UMC Utrecht

## 6. Critical Care and Emergency Medicine Conference

WHO: Open to all past AMFellows, opleiders, NVSHA members, and local internal medicine faculty/residents; current AMFellows may/may not attend due to travel logistics (graduation for 3<sup>rd</sup> AMFellows is 25 June)

WHAT: One-day course, lecture and panel discussions, June 24, 2010

WHERE: Medical Center Leeuwarden, Leeuwarden, The Netherlands

WHEN: June 24, 2010, 9:00-16:00

HOW MUCH: ?? euro / person, 100 students max

### Content:

- Clinical topics in critical care
- Critical care pathways
- Advanced resuscitation techniques
- Modular training programs in Resuscitation and Critical Care
- National research collaborations in Acute Care Pathways

### Faculty:

- M.A. Kuiper MD PhD FCCP FCCM
  - Internist, Resuscitation and Critical Care specialist
  - Medical Center Leeuwarden, The Netherlands
- Joe Lex MD
  - Associate Professor, Department of EM, Temple University School of Medicine, Philadelphia Pennsylvania, USA
  - Involved in EM for over 40 years
  - An invited speaker for over 250 regional, national and international conferences
  - Winner of multiple awards in EM education
  - Course author
- Terry Mulligan DO, MPH (tentative)
  - Assistant Professor at University of Maryland School of Medicine
  - EM Residency Director, UMC Utrecht
- Other invited faculty and guests