



Medical College of Georgia at Augusta University

Department of Emergency Medicine

Center of Operational Medicine

EMS/PREHOSPITAL CARE, DISASTER AND

OPERATIONAL MEDICINE

INTERNATIONAL FELLOWSHIP

“BULDING THE NETWORK OF GLOBAL EMS LEADERS”

Introduction

The International Emergency Medical Services (EMS), Disaster and Operational Medicine fellowship program at the Medical College of Georgia (MCG), Department of Emergency Medicine has a target to train international emergency physicians in the science of EMS, Disaster, and Operational Medicine. The EMS, Disaster and Operational (EMSDO) training program will be preparing physicians to serve as medical directors of EMS systems, Disaster Management Organizations and Medical Oversight for Law Enforcement.

This training program take place for international reasons to give education and experiences to provide the best quality of medical care with enrolling efficient delivery of prehospital setting, under the knowledge in areas depending on the professional responsibilities.

This program involves a positive impact around the world, giving the opportunity to recognize many areas of responsibility for emergency physicians on different fields, interacting with multidisciplinary teams. Emergency Medical Systems have been one of the most important areas of action where emergency medicine, in the concept of specialist doctors, plays a fundamental role, this program shows and teach this view for all participants.

EMSDO program is designed to be 12-month of educational process. The participant will be provided with diverse experiences in operational and administrative components of EMS systems, disaster, and operational medicine to gain an understanding of the field.

Mission

To be a leader in the development of the next generation of International EMS physicians; to discover and translate new knowledge in the science and medicine of EMS to provide cutting-edge, interdisciplinary and compassionate clinical care of the highest quality.

Vision

To be the global leader in EMS medicine.

Values

Patient-Centric / Innovation / Scholarship

Knowledge Goals

- Knowing functions, actions, responsibilities, and operations of prehospital care
- Understanding roles of emergency medicine specialists in prehospital care
- Execute operational plans to respond on mass casualty, CBRNE, operational medicine, rescue, wilderness, and disaster medicine.
- To Participate in medical coordination and planning actions for massive events and disasters respond programs

Participant Requirements

- Applicants are required to be licensed physicians in their home country and have completed the equivalent of an emergency medicine residency program or similar specialty training.
- The fellow should have a connection/ participation with EMS operations and education programs in their home country.
- The fellow must complete, at least; two (2) months for rotation/ observership at MCG in Augusta GA.
- International fellow must complete a scholarly/ research and a quality improvement project before finalizing the program.

Resources

The training program will occur in a diversity places and facilities. Patient care observations will occur in the Emergency Medical Services (EMS). In addition, the fellow will participate in the administrative and training activities related to the medical direction of EMS, Disaster and Operational Medicine, MCG EMS Fellowship activities and independent learning courses.

TRAINING PROGRAM COMPONENTS

During the program we introduce virtual components, research, presentational rotation, video support training, interaction virtual real time, meetings, presentations, conferences, articles review, and some others depend of the topics.

Topics

□ *History of EMS, Disaster and Operational Medicine*

The Program will provide an overview of the history of EMS, Disaster and Operational Medicine, the fellow will have a review of the evolution criteria and schools of practices.

□ *Legislation/Legal Issues*

The fellow will attend and participate in meetings introducing concepts about state and federal rules and regulations. This topic will include international legal view and his national regulations and legal issues.

□ *EMS System Design*

The fellow will:

- Become knowledgeable, through readings and seminars, about the essential components of an EMS system
- Learn about the differences in operations, political and administration.

□ *Air Medical Transport*

The fellow will be learning and understand air medical transport issues from national and international concepts, using guidelines, protocols, and legal regulations

The fellow will attend meetings and seminars about the flights and aircrafts structures topics

□ *Administration and Finance*

The fellow will attend the NAEMSP Medical Directors Course to learn about funding, administration, and human resources issues in the EMS

□ *EMS Equipment*

The fellow will:

- Learn the federal, state and his national concepts, rules and regulations for ambulance design and equipment maintenance.
- Study the equipment lists for basic and advanced life support (BLS and ALS) into all kinds of ambulances.
- Participate in scheduled meetings to discuss drug and protocol use, approved for the EMS system.
- The fellow will become familiar with EMS-related rescue and extrication equipment carried on ambulances and fire/rescue trucks (extrication equipment, etc.).

□ **Education/Training**

- The fellow will become familiar with the curriculum for ACLS/ATLS/PALS/PHTLS/ITLS provider and instructor courses.
- The fellow will attend one NAEMSP conference during the program.

□ **Communications**

The fellow will:

- *Learn* international and National dispatch systems, protocols, and process
- Interact with dispatchers
- Use radio communications systems and learning codes

□ **Disaster Management**

The fellow will:

- Review components of a disaster plan for community and responding protocols, interacting with EMS and hospitals
- Become familiar with Emergency Medical Teams (EMT) concepts by the World Health Organization (WHO).
- Follow the medical respond criteria for the International Federation of Red Cross (IFRC)
- Complete the Basic Disaster Life Support (BDLS), Advanced Disaster Life Support (ADLS) and Certified Healthcare Emergency Coordinator (CHEC) courses.
- Interact and learn about search and rescue units, physician roll.

□ **Prevention**

The fellow will learn about prevention issues during risk management evaluation, national civil tools, and WHO guidelines.

□ **EMS Operational on field**

The fellow will understand and work the medical provide in ambulances, rapid respond vehicle and medical command vehicle.

□ **Operational Medicine**

The fellow will:

- Understand the physician roll in the law enforcement agencies
- Learn tactical plans for during hostile situations
- Learn concepts about medical care for mandatory or important personal
- Attend the Counter Narcotics and Terrorism Operational Medical Support (CONTOMS) Medical Director Course and Specialized Tactics for Operational Rescue and Medicine (STORM)

□ **Wilderness Medicine**

The fellow will participate in meeting, reviews and missions understanding concepts about wilderness medicine in jungle and mountains

□ **Chemical, Biological, Radiological, Nuclear and Explosive (CBRNE) medical respond**

The fellow will:

- Understand the concepts of CBRNE in general
- Learn the physicians roll in each area
- Learn the technological tools to respond each topic.

Experiential Curriculum

Topics	Facilities	Hours during the program
General Concepts for Administration, Protocols, Guidelines, and Operational Respond	EMS, Disaster and Operational offices	160
Fire Department System	Fire Department System	160
Dispatches and Call for Emergencies System	EMS System	160
EMS Ambulances	EMS System	320
Medical Command Vehicular Respond (MCV)	EMS System	160
National Operation Center for Disaster Emergencies (OCDE)	OCDE Facilities	160
Disaster Medicine	Disaster Respond Agency	80
Air Medicine	Air Medicine agencies	160
QBRNE	Civil and/or Military agencies System	80
Operational Medicine	Law Enforcement and/or Military Agencies	160
Rescue Medicine	Agencies for Rescue Respond	80
Wilderness Medicine	Agencies for Medical Respond	80

Certificate of completion ending the program

Fellows will receive a certificate of completion from the Medical College of Georgia Department of Emergency Medicine upon successfully completion.