



Prehospital Emergency Medicine

Medical Student EMS Elective Description

This elective is a senior-level experience in prehospital emergency medicine, which allows the student to be among the first members of the health team to evaluate undifferentiated patients. Students are exposed to a wide variety of experience with prehospital providers within the Saginaw Valley Medical Control Authority jurisdiction. Optional experience with air medical and local police first responders is available.

A unique concept in medical education, Synergy Medical Education Alliance is a separate medical education corporation, established to run citywide medical education training programs and Continuing Medical Education courses for the physicians in the area. Approximately 350 community physicians hold faculty appointments and participate in the various training programs. In addition, full-time board-certified faculty are employed by Synergy Medical and are directly responsible for the running of both student and resident education.

In the Saginaw Valley Medical Control Authority, on-scene medical oversight is highly emphasized here and the medical student will have opportunities to participate with the medical director in this regard. Additionally, Synergy Medical also hosts the only physician EMS Fellowship in the state of Michigan. The medical student will also have exposure to the fellow in the course of the rotation.

Prerequisites:

Open to all **fourth year medical students** in good standing. Third year rotations must be completed prior to start. Prior completion of a rotation in Emergency Medicine is highly encouraged. Special consideration is given to students with a strong interest in pursuing a career in EM during the months of September through January.

Requirements:

1. Attend all required aspects of the rotation, i.e., ambulance ride alongs, dispatch shifts, EMS Physician ride outs, etc...
2. Attend didactic lectures as assigned
3. Completion of orientation and safety seminars
4. Completion of textbook chapters as assigned
5. Present a 10-15 minute presentation on an EMS topic
6. Complete online NIMS courses IS-100, IS-200

Course Description:

The rotation in Prehospital Emergency Medicine is suited to educate medical students on the roles and responsibilities of the EMS physician in providing medical oversight and clinical practice in a regional high-performance EMS system. Students participate in ambulance ride-along to learn how patients are cared for in the prehospital setting. The student will also learn the role of each of the providers in the system and how that role affects the care provided to the patient. Time is spent in the local emergency dispatch center. Time is spent with

the medical director providing on-scene medical oversight and learning clinical prehospital emergency medicine. The student will learn how to establish an effective clinical prehospital emergency medicine practice. Various assigned Thursday EM lectures consist of 5.5 hours of didactic teaching and are oriented to the practical aspects of general emergency medicine. An optional ride out experience with an air medical provider may be arranged; please indicate your interest when you submit your materials. Separate liability release forms are required.

Contact Hours:

There is a total of roughly 160 contact hours for the month (average 40 hours per week). This time will be spent performing ambulance ride along shifts, first responder ride outs (as available), EMS Physician ride along shifts and dispatch observation. The student will also attend various administrative meetings, weekly Emergency Medicine Residency didactic lectures, and other EMS related activities as available.

Objectives:

At the end of the rotation, the successful student will be able to:

1. Obtain a focused history and physical examination in a prehospital patient with an undifferentiated illness or injury
2. Recognize seriously ill patients and how to treat immediate life threats
3. Describe the role of members of the prehospital health team
4. Understand the care of medical and trauma patients before their arrival to the emergency department
5. Formulate an appropriate differential diagnosis and management plan for prehospital patients
6. Recite how prehospital clinical information is presented to receiving facilities
7. Develop a core of knowledge about prehospital emergency medicine
8. Learn skills essential to the general practice of prehospital emergency medicine
9. Interact with members of the prehospital health team
10. Describe EMS system design and function
11. Explain how medical directors provide medical oversight to prehospital providers

Reading:

Access to the required reading will be provided on the first day of the rotation.

International students:

We welcome students from international medical schools. You must be a student in good standing at your school, must demonstrate evidence of liability coverage by that school and must have met the prerequisite requirements for the elective.

Application Deadline:

Filled on a rolling basis, no later than 2 full weeks before the beginning of the rotation.

Grading:

Pass/Fail

Rotation length:

4 weeks

Start dates:

Calendar month, although this is flexible

Months available:

All except July

System Description:

There are almost 800 Medical First Responders, EMTs, and Paramedics who represent 27 separate agencies. These dedicated professionals provide EMS response to nearly 300,000 residents. The two Saginaw downtown hospitals have a combined volume of over 100,000 per year. Both of the emergency departments have air medical programs and are level II trauma centers.

Maximum students per block: 2**Malpractice Provided: No**

SLOR Provided: No. Due to the structure of this rotation a SLOR cannot be provided. Rotating students will be eligible to earn a traditional letter of recommendation covering issues of dependability, medical knowledge, interpersonal skills, professionalism, motivation, and other areas as appropriate.

Dress Code: Students are expected to dress in a professional and appropriate manner. Scrubs and jeans are not allowed. Cologne or perfume is not allowed. The student is responsible for dressing in weather appropriate clothing. Boots are not required, but are strongly recommended.

Additionally, requirements of our ambulance service are:

- a. Students are expected to be in proper attire at all times.
- b. Hair should be clean, combed and neatly trimmed or arranged, and no visible decorative items attached. If dyed, the hair should look natural and

not be of any unusual color or contrast with natural coloring. Shaggy, unkempt hair is not permissible regardless of the length. In the interest of quality patient care and employee safety issues, long hair must be restrained.

c. Facial hair except for moustaches is not permissible. This includes “5 o’clock shadow”.

d. Moustaches are permitted if kept neatly trimmed and cannot extend past the corners of the mouth and do not interfere with TB mask fit.

e. Sideburns must be neatly trimmed and tapered, not flared, end in a clean-shaven horizontal line, and not extend below the lowest part of the opening of the inner ear.

f. One earring stud per ear lobe is permitted (studs must be in both ears), facial piercing or other body piercing, including the tongue are prohibited.

g. Necklaces may be worn provided they are not visible

h. Tattoos and body art do not promote our professional work image and must be concealed at all times.

The ultimate decision on the appropriateness of clothing and appearance will be made by the EMS Medical Director.

For more information, contact:

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