

## Fellowship Curriculum

The one-year Emergency Ultrasound Fellowship is administered by the Department of Emergency Medicine.

The focus of this program is to develop physicians with expert skills and knowledge in Emergency Ultrasound who will serve as educators, researchers, or administrators in emergency ultrasound.

Curricular objectives that the Fellow is expected to complete during their program include:

- Develop the knowledge and skill set of an outstanding practitioner in emergency ultrasound in the following domains:
  - ◊ Psychomotor skills
  - ◊ Image interpretation
  - ◊ Integration of data into real-time patient clinical management
- Develop research skills
- Develop educational skills
- Develop administrative skills
- Acquire ultrasound training and experience meeting application requirements for certification by the American Registry for Diagnostic Medical Sonography (ARDMS). ARDMS application is not required.



## Application Process

A letter of interest along with a current curriculum vitae and three letters of recommendation are required to apply for the fellowship.

These may be sent to the attention of the fellowship director at the address below. There is a rolling application process, and you are strongly encouraged to discuss your interest in the program at the University of Rochester with the Fellowship Director prior to applying.

Electronic application through Emergency Ultrasound Fellowship website:

<http://eusfellowships.com/>

For More Detailed Information  
Please Contact:

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Director of Clinical Ultrasound Fellowship  
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## Fellowship in Clinical Ultrasound



## Education

The emergency ultrasound fellow will advance their skills with five dedicated scanning shifts monthly, during which the fellowship director will provide direct hands-on training. These scanning shifts are spent in the Emergency Department directly with the fellowship director or ultrasound faculty, with only ultrasound specific responsibilities during the shifts.

The fellow will develop teaching skills through 20 hours per month of hands-on teaching of residents in bedside emergency ultrasound, and delivery of four emergency ultrasound lectures during the year.

Fellow seminars are regular didactic sessions spent with the fellowship director to develop the fellow's knowledge base.

Professional Development Opportunities: Resident/faculty image review, skills workshops, 2-day new intern ultrasound conference, simulation sessions, cadaver labs, medical student clerkship training, and nursing/advanced practice providers/off-service residents central line and IV course.

Annual faculty development workshops are available through the Clinical and Translational Science Institute (CTSI).

After the first year, the fellow may elect to pursue an advanced degree with university tuition benefits, including a Masters Degree in Public Health, Clinical Investigation, Medical Management/Education or Business Administration.

## Research

The fellow will be exposed to the basics of research through participation in one or more ultrasound research projects.

The fellow will design an ultrasound research project to be initiated during fellowship.

At least one abstract with the fellow as first author will be submitted for presentation at a national scientific meeting.

Research projects are developed through a set procedure. The first step is to develop an idea and hypothesis, working with the fellowship director to create a written proposal. The proposal is then presented to the Departmental Research Committee, followed by necessary changes being made to the proposal. The study is then sent to the Institutional Review Board for formal approval. Upon completion, the study is presented to the faculty and residents of the Department of Emergency Medicine. Presentation at a national meeting is next. After the project is completed the fellow is encouraged to submit the manuscript to a peer-reviewed journal.



## Administration

The fellow will understand the principles of emergency ultrasound program administration through support roles in various program projects, including training courses, faculty and resident training and coordination, image review/quality assurance and billing/reimbursement.

The fellow will be involved with at least one quality improvement project.

The fellow will attend one national emergency ultrasound section meeting during the year.

## Clinical Responsibilities

The fellow will work no more than 20 clinical hours per week at either the University of Rochester Medical Center or affiliated regional hospitals. Moonlighting is usually available. The fellow will perform > 800 ultrasound examinations during the year long fellowship.

Strong Memorial Hospital at the University of Rochester Medical Center sees a broad diversity of patients, and includes a dedicated Pediatric Emergency Department. The fellow will be exposed to a diverse patient mix with a broad scope of pathology, enhancing the development of both clinical and ultrasound expertise.

Additional Clinical Opportunities: Level 1 trauma hospital with pediatric ED, Suburban community hospital, rural/outlying community hospitals, and a stand-alone ED.