

**The Jane R. Perlman Fellowship Program
Nurse Practitioner and Physician Assistant Fellowship in Emergency Medicine**

Topic (Module): Emergency Medicine Basics/Boot Camp

Length: 2 weeks

** All content areas include supervised clinical experiences in the main ED or Fast Track areas. In addition, all fellows will attend Resident Conference on Trauma (4 hours) during this module. Fellows will have 40 total hours each week inclusive of didactic, clinical and lab experiences.*

DATE	Objective	Content	Methodology	Instructor	Time	Evaluation
Day 1 8/18/14 12-4	1. Complete orientation to ED fellowship 2. Discuss special patient populations encountered in the ED 3. Assign triage categories for given patients 4. Discuss importance of self care for ED Providers	I. Welcome & program overview A. Tour B. Introductions II. Special patient populations A. Geriatrics III. ESI Triage in the ED A. 5 Levels B. Assignment of level C. ESI implications for provider IV. ED stressors A. Patient load and acuity B. Expectations for novice provider C. Schedule	Lecture Discussion Handouts	S. Bednar A. Ruiz Dr. Graff S. Bednar S. Bednar	2 hours 1 hour 30 min 30 min	Simulation evaluation Sample assignments of ESI levels
Day 2 8/19/14 8am-3p	1. Obtain accurate focused history 2. Perform accurate focused physical examination on given ED patient	I. Patient History A. Focused vs. comprehensive B. Historian attributes II. Physical assessment A. Focused vs. comprehensive III. Specific patient presentations A. Cardiac B. Neuro	Lecture Discussion Simulations Video	J. Benigno P. DeAngeles K. Ortwig A. Ruiz	4 hours	Simulation evaluation

		<p>C. Pulmonary D. GI</p> <p>IV. History & examination of the OB patient presenting to ED</p>		<p>Dr. Cirrincione A. Ruiz</p>	<p>1.5 hours</p>	
<p>Day 3 8/20/14 8a-3p</p>	<p>1. Discuss and/or demonstrate management of paronychia</p> <p>2. Discuss and/or demonstrate management of epistaxis</p> <p>3. Discuss and/or demonstrate foreign body removal</p> <p>4. Demonstrate basic proficiency with slit lamp examination</p>	<p>I. Paronychia A. ED management</p> <p>II. Epistaxis A. History and PE B. ED management 1. Diagnostic studies 2. Anterior bleed management 3. Posterior bleed management 4. Disposition</p> <p>III. Foreign body removal A. Skin B. Ears 1. Cerumen 2. Live, vegetable matter, other objects C. Nose D. Ring removal E. Fish hook removal</p> <p>IV. Use of the slit lamp A. Indications B. Function of slit lamp C. Documentation of findings</p>	<p>Lecture Discussion Simulations Procedure lab</p>	<p>A. Ruiz J. Anthony P. DeAngeles</p>	<p>6 hours</p>	<p>Direct observation of skill Simulation evaluation</p>
<p>Day 4 8/21/14 12-4</p>	<p>1. Interpret basic radiographic films</p>	<p>I. Principles of x-ray interpretation A. Adults: 1. CXR 2. Extremity 3. Rib 4. Spine</p>	<p>Lecture Discussion Procedures lab Simulation</p>	<p>M. McCormick A. Ruiz</p>	<p>4 hours</p>	<p>Direct observation Interpretation of given films, scans, laboratory</p>

	<p>2. Interpret common ED lab studies</p> <p>3. Interpret basic CT head films</p>	<p>II. Indications for and interpretation of laboratory studies common to ED</p> <p>A. Hematology</p> <p>B. Chemistry</p> <p>C. Coagulation studies</p> <p>D. Biomarkers</p> <p>E. Microbiology</p> <p>F. Urinalysis</p> <p>G. Toxicology</p> <p>H. Order sets</p> <p>III. Head CT films</p> <p>A. Indications</p> <p>B. Specific Head CT order options</p> <p>C. Principles of interpretation</p>		R. Gimbel		values
<p>Day 5</p> <p>8/22/14</p> <p>8-3</p>	<p>1. Demonstrate beginner proficiency in suturing</p> <p>2. Compare & contrast methods of wound management</p>	<p>I. Wound repair and management</p> <p>A. Principles of wound management</p> <p>B. Wound closure</p> <p>1. Suture</p> <p>2. Skin glue</p> <p>3. Staples</p> <p>4. Secondary intention</p> <p>C. Complicated wounds</p> <p>1. Animal bites</p> <p>2. Facial wounds</p> <p>3. Patients at risk for delayed healing</p>	<p>Lecture</p> <p>Discussion</p> <p>Procedures</p> <p>lab</p>	<p>K. Ortwig</p> <p>A. Ruiz.</p>	6 hours	<p>Direct observation</p> <p>Return demonstration in lab</p>
<p>Day 6</p> <p>8/26/14</p> <p>8-3</p>	<p>1. Discuss management of hand injuries</p> <p>2. Demonstrate simulated or</p>	<p>I. Functional hand anatomy as it relates to wound management</p> <p>A. Assessment of neurovascular status</p> <p>B. Local and nerve blocks for wound repair of the hand</p> <p>C. Management of tendon injuries</p> <p>D. Disposition</p> <p>II. Differentiation of abscess, soft tissue infection, cellulitis</p>	<p>Lecture</p> <p>Discussion</p> <p>Procedures</p> <p>lab</p> <p>Video</p>	<p>K. Ortwig</p> <p>A. Ruiz</p> <p>J. Anthony</p>	<p>2 hours</p> <p>1.5 hours</p>	<p>Direct observation</p> <p>Return demonstration in lab</p> <p>Simulation evaluation</p>

	<p>actual I & D of abscess</p> <p>3. Demonstrate basic proficiency using ultrasound guided removal of a foreign body</p> <p>4. Demonstrate simulated or actual knee arthrocentesis</p>	<p>A. Management of abscess in the ED</p> <p>1. I & D techniques</p> <p>2. Aftercare & disposition</p> <p>III. Use of bedside ultrasound</p> <p>A. Localization of soft tissue foreign body</p> <p>B. removal of foreign body</p> <p>IV. Principles of arthrocentesis</p> <p>A. Indication</p> <p>B. Complications, risks</p> <p>C. Procedure</p> <p>D. Disposition</p>			<p>1 hour</p> <p>1.5 hours</p>	
<p>Day 7</p> <p>8/27/14</p> <p>730-3p</p>	<p>1. Basic ATLS trauma skill set</p> <p>2. Demonstrate actual or simulated application of selected splints and appliances</p>	<p>I. Trauma lecture</p> <p>II. Indication for immobilization/splinting</p> <p>A. Sprains, strains, fractures</p> <p>B. Inflammatory conditions</p> <p>III. Principles of splinting</p> <p>A. Posterior molds</p> <p>B. Prefab splints/appliances</p>	<p>Lecture</p> <p>Discussion</p> <p>Procedures</p> <p>lab</p>	<p>P. Theodoropoulos</p> <p>M. Angelico</p> <p>J. Anthony</p>	<p>1.5 hours</p>	<p>Direct observation</p> <p>Return demonstration in lab</p> <p>Simulation evaluation</p>
<p>Day 8</p> <p>8/28/14</p> <p>8-3</p>	<p>1. Interpret selected 12 lead EKGs</p> <p>2. Recognize and provide initial management for a patient presenting with an AMI</p>	<p>I. Principles of the 12 lead EKG</p> <p>II. Identification of ACS</p> <p>A. TIMI score</p> <p>III. Initial management of ACS</p> <p>A. Diagnostic studies in the ED</p> <p>B. Medications</p> <p>IV. Management and disposition of acute MI</p>	<p>Lecture</p> <p>Discussion</p> <p>EKG interpretation</p> <p>practice</p> <p>Simulations</p>	<p>S. Tokar</p> <p>J. Davidson</p>	<p>5.5 hours</p>	<p>Correct interpretation of EKGs provided</p> <p>Simulation evaluation</p>
<p>Day 9</p> <p>8/29/14</p> <p>8-3</p>	<p>1. Demonstrate beginner proficiency in use of bedside</p>	<p>I. Principles of ultrasonography</p> <p>II. Indications for use of US in the ED</p> <p>III. Technique/procedure for bedside US</p> <p>A. FAST exam</p>	<p>Lecture</p> <p>Discussion</p> <p>Procedure lab</p> <p>US practice</p>	<p>C. Rice</p>	<p>4 hours</p>	<p>Direct observation</p> <p>Simulation evaluation</p>

	ultrasonography in the ED	B. First trimester pregnancy C. Fetal well-being D. Gallbladder E. Inferior vena cava (sepsis/shock) F. DVT	Simulations			