

Phase 2/3 Elective Description

Campus: Southeast Campus

Elective/Experience Title: Emergency Medicine for the Internist

Location of Elective: Fargo VA Healthcare System

Department: Internal Medicine

Course Number: 9206

Preceptor(s): Alex Agostini-Miranda, MD; Brian Sauter, MD; Frank Sepe, MD, PhD; Mike Walery, MD

Course Prerequisites: None

Period(s) Offered: All

Revised Curriculum Phase(s): 2 or 3

Number of students per period: 1

Purpose: Diagnosis, treatment and management of common urgent care and level 3 emergency department problems.

Objectives: Following successful completion of this elective, the student will be able to:

1. Execute histories and physical examinations for (competency 3.1)
 - a. the vulnerable adult including the homeless, ETOH detox.
 - b. common cardiac issues including ACS, tachy and brady arrhythmias
 - c. common surgical problems including abdominal pain, laceration repair, epistaxis, foreign body in the eye
 - d. hypotension and hypertension including shock and hypertensive urgencies and emergencies
 - e. neurological emergencies including stroke, seizures and altered mental status
 - f. common toxidromes
 - g. common renal and electrolyte abnormalities including acute kidney injury, hyperkalemia and hyponatremia
 - h. common psychiatric issues including psychosis and suicidal ideation
 - i. the diabetic patient including DKA and diabetic foot complications
 - j. acute ETOH intoxication/poisoning
 - k. respiratory disease including pulmonary embolus, exacerbation of COPD and asthma and impending respiratory failure
 - l. common urgent care problems including rashes, STIs, vaginal discharge and pelvic pain, upper respiratory infection and joint pain and swelling.

2. Generate diagnostic and management plans for (competency 2.7,3.2, 3.3, 3.4)
 - a. common cardiac issues including ACS, tachy and brady arrhythmias
 - b. common surgical problems including abdominal pain, laceration repair, epistaxis, foreign body in the eye
 - c. hypotension and hypertension including shock and hypertensive urgencies and emergencies
 - d. neurological emergencies including stroke, seizures and altered mental status
 - e. common toxidromes
 - f. common renal and electrolyte abnormalities including acute kidney injury, hyperkalemia and hyponatremia
 - g. common psychiatric issues including psychosis and suicidal ideation
 - h. the diabetic patient including DKA and diabetic foot complications
 - i. acute ETOH intoxication/poisoning
 - j. respiratory disease including pulmonary embolus, exacerbation of COPD and asthma and impending respiratory failure

- k. common urgent care problems including rashes, STIs, vaginal discharge and pelvic pain, upper respiratory infection and joint pain and swelling.
3. Summarize the information gained through history and physical examination in case presentations (competency 3.7)
4. Choose to complete all assigned hours, patient care responsibilities and journal club and grand rounds presentations with acceptable professionalism and communication skills. (competency 1.6, 1.8, 4.2, 4.5, 5.7, 5.8)

Instructional Activities: During this elective, the student will be involved in/experience:

1. Attend “reading the room” and emotional intelligence presentation.
2. Minimum of 150 hours of supervised patient contact in the ED.
3. Attend core lectures and master objectives as outlined in the handbook.
4. View the 5 short instructional videos regarding procedures in the ED.
5. Journal Club and Mid-Course Feedback Session. (usually the 2nd Thursday of the rotation; student and faculty engage in discussion of a current publication in emergency medicine selected by the faculty. Give and receive feedback of the rotation so far).
6. Grand rounds and End of Course Feedback Session. (usually the 4th Thursday of the rotation; student presents a 15-minute case presentation on a patient of their choice from the rotation with emphasis on basic science).

Criteria for Grading: During and following this elective, the preceptor will:

1. Utilize the standardized UNDSMHS senior elective evaluation form.
2. Observe completion of 150 hours of supervised patient contact. (Objective 4)
3. Observe the student’s ability to obtain a complete history. (Objective 1)
4. Observe the student’s ability to perform a complete physical examination. (Objective 1)
5. Observe the student’s ability to present a patient case orally. (Objective 3)
6. Observe the student’s overall clinical competence. (Objectives 1-4)
7. Participate in Journal Club and Grand Rounds. (Objective 4)