ELECTIVE NAME: Pain Management

COURSE NO: HM 612

PREREQUISITE: 3rd year required rotations

INSTITUTION: Michigan Pain Consultants Anesthesia Medical Consultants Spectrum Health St Mary’s Healthcare

OBJECTIVES:
To provide medical students with an understanding of the underlying mechanisms of acute and chronic pain
To understand the epidemiology of chronic pain and its economic impact on society
To approach acute and chronic pain conditions differently, becoming capable of applying a disease management approach that is effective and useful for the treatment of chronic pain
Become familiar with interdisciplinary pain care
Develop special history-taking and specific physical exam skills; be able to identify the clinical presentation and pathophysiology of the many commonly occurring complex pain disorders seen in all specialties of medicine and surgery, especially primary care.
Become familiar with a care management system used to assess disease risk, measure demographic, psychosocial, functional and quality of life aspects of the pain experience
Use of data driven clinical decision making for resource utilization
Assessing multidimensional clinical outcomes of treatment
Understand the concept of value based care

EDUCATIONAL EXPERIENCES:
Weeks 1&2

The student will work with Anesthesia Medical Consultants in the hospital based setting. The student will observe the workings of the perioperative acute pain service, and will participate in the administration of common preoperative nerve blocks. The student will also make acute pain
rounds with the anesthesiologist and participate in the management of acute post-operative pain.

The student will observe and understand conscious sedation techniques, and will be able to monitor patients during conscious sedation. The student will further be able to diagnose tachy- and bradycardia, and will be able to institute appropriate resuscitative measures.

**Weeks 3&4**

The student will work with Michigan Pain Consultants in a community based outpatient clinic as well as attend inpatient rounds for chronic pain care.

The student will work alongside of pain medicine physicians and Physician Assistants observing the evaluation and treatment of pain patients.

Learn pain related H&P and follow up evaluations.

Learn medication management including opiate and non-opiate analgesics as well as co-

analgesics.

Understand the rationale and observe the use of interventional procedures for pain treatment.

Become familiar with interdisciplinary treatment including Physical Therapy and Behavioral Medicine.

Learn how a team approach between physicians and mid-level providers is used for the treatment of pain.

Observe the interface between community based outpatient care and inpatient care as well as the transition from acute/postoperative to chronic pain management.

**EVALUATION:**

Preceptor(s) will be asked to submit a written evaluation at the conclusion of the clerkship. Faculty are encouraged to provide ongoing feedback throughout the elective rotation. Students are also expected to turn in a written paper at the conclusion of the elective.