CA-2 CHRONIC PAIN MANAGEMENT ROTATION

United Pain Center, United Hospital (UPC)
Rotation Site Director: Dr. Todd Hess; Dr. Sena Kihtir Adjunct Assistant Professor
Rotation Duration: 4 weeks

Introduction:
The goal of the Chronic Pain Rotation at the United Pain Center is to train physicians to be competent and compassionate practitioners of chronic pain in a multidisciplinary environment. This rotation is designed to develop the appropriate attitudes, knowledge base, and skills required to care for the patient given the complexities associated with chronic pain. Trainees will greatly expand their knowledge base, skills, and judgment so that they can recognize and manage complications associated with chronic pain.

GOALS:
- To train residents who are capable of providing high quality anesthesia care based on principles of teamwork and collaboration for patients with chronic and cancer pain;
- To train residents who use the bio-psychosocial model and life-long learning principles in providing high quality interdisciplinary care to patients with chronic and cancer pain in inpatient and outpatient facilities.

OBJECTIVES (by ACGME Competency)

<table>
<thead>
<tr>
<th>Patient Care</th>
<th>Approximate Training Level</th>
<th>Assessment Methods/Tools</th>
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</thead>
<tbody>
<tr>
<td>Developmental Milestone Objective</td>
<td>Training Level</td>
<td>Assessment</td>
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<tr>
<td>Clinical Skills and Reasoning:</td>
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<tr>
<td>o Use of clinical skills of interviewing and physical examination to perform a thorough assessment of a patient with chronic and cancer pain (perception to complex overt response)</td>
<td>Rotation time</td>
<td>o Direct Observation</td>
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<tr>
<td>o Formulates a safe chronic/cancer pain management plan for the patient (perception to complex overt response)</td>
<td>Rotation time</td>
<td>o Simulation</td>
</tr>
<tr>
<td>o Conducts chronic pain service clinic exam and rounds and maintains orderly patient documentation (perception to complex overt</td>
<td>Rotation time</td>
<td>o Chart- review</td>
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<td>o Case logs</td>
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Goals and Objectives

Technical/Device Related Skills

- Prepares work area for different neuraxial injections, nerve blocks including sympathetic blocks, etc. following the principles of patient privacy, safety, provider safety, and sterility (perception to complex overt response)
- Programs neuraxial infusion system pumps and intravenous PCA pumps (perception to complex overt response)
- Is familiar with the techniques of ultrasound and fluoroscopy use for facilitation of neuraxial and other injections, catheter placements, pump placements (perception to mechanism)

Developmental Milestone Objective

Patient Management

- Assesses pain and function of a patient with chronic and cancer pain (perception to complex overt response)
- Manages oral pain regimen with narcotics, anti-inflammatory drugs and neuromodulators (perception to complex overt response)
- Calculates equipotent doses of different opiates for patients with chronic/cancer pain (perception to complex overt response)
- Manages side-effects of medications (perception to complex overt response)
- Places neuraxial injections and other basic peripheral and sympathetic nerve blocks (perception to complex overt response)
- Manages side effects of the above procedures (perception to mechanism or complex overt response)
- Orders appropriate diagnostic testing (perception to complex overt response)
- Effectively utilizes physical therapy, occupational therapy, behavioral therapy (perception to complex overt response)
- Effectively plans for a follow-up of a patient with chronic/cancer pain (perception to mechanism or complex overt response)
### Medical Knowledge

**Developmental Milestone Objective**

- Discusses pharmacology of opiates, non-narcotic analgesics, and nonsteroidal anti-inflammatory agents (knowledge to application)
- Discusses pharmacology of centrally acting drugs (knowledge to application)
- Discusses measurement and assessment of pain and function (knowledge to application)
- Discusses indications for diagnostic testing (knowledge to application)
- Discusses the role of nerve blocks in chronic pain management (knowledge to application)
- Discusses psychotherapeutic treatment principles, rehabilitation, and team management (knowledge to application)
- Discusses management of low back pain, myofascial pain, complex regional pain syndrome, neuralgias (knowledge to application)
- Discusses the principles of acupuncture, TENS, PENS
- Discusses the key elements of radiofrequency, spinal cord stimulation, and intrathecal drug delivery for the devices

**Training Level**

- Rotation time

**Assessment**

- Introductory lecture series test
- Anesthesia knowledge test
- Annual in-training examination
- Informal oral questioning
- Simulation
- Oral case presentations

### Practice Based Learning and Improvement

**Developmental Milestone Objective**

- Identify own learning deficits, develop a learning plan and carry it out (receiving to valuing)
- Respond appropriately to constructive feedback (receiving to valuing)
- Demonstrate ability to effectively search for literature (perception to complex overt response)
- Read, analyze and interpret the scientific literature (analysis)
- Analyze own practice and determine ways in which you can improve your comprehensive acute pain management plan (analysis, valuing)

**Training Level**

- Rotation time

**Assessment**

- Written essay describing an analysis of patient management (areas of deficiencies, room for improvement)
- Immediate formative feedback from attending
- Direct observation
- Case presentations
### Interpersonal and Communication Skills

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<th>Training Level</th>
<th>Assessment</th>
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<tr>
<td>o Use of effective listening, questioning, and explanatory skills in gathering information from patients and in providing information to patients, families, the public, and other health care providers (receiving to valuing)</td>
<td>Rotation time</td>
<td>o Direct observation with patient</td>
</tr>
<tr>
<td>o Use of effective listening, questioning, and explanatory skills in gathering information from patients and in providing information to patients, families, the public, and other health care providers (receiving to valuing)</td>
<td>Rotation time</td>
<td>o Direct observation in simulation</td>
</tr>
<tr>
<td>o Effectively and efficiently communicates pertinent patient information to a secondary care provider (receiving to valuing)</td>
<td>Rotation time</td>
<td>o 360 global rating</td>
</tr>
<tr>
<td>o Skill in working as a member of a patient care team including other physicians, nurses, physical, occupational and psychotherapist, social workers, and volunteers (receiving to valuing)</td>
<td>Rotation time</td>
<td>o Learner classroom presentation</td>
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<td>o Maintain comprehensive, timely, and legible medical records (receiving to valuing)</td>
<td>Rotation time</td>
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### Professionalism

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<td>o Awareness and management of his/her own values and attitudes, which might interfere with appropriate patient care specific to management of patients with chronic/cancer pain (receiving to valuing)</td>
<td>Rotation time</td>
<td>o direct observation</td>
</tr>
<tr>
<td>o Responsiveness to and management of issues that relate to socio-cultural aspects of family life, and social adjustment related to ethnicity, religion, culture, gender or sexual preference (receiving to valuing)</td>
<td>Rotation time</td>
<td>o 360</td>
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<tr>
<td>o Consistent compassion, honesty, integrity and respect for others in all professional activities (receiving to valuing)</td>
<td>Rotation time</td>
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<tr>
<td>o Awareness and responsiveness to end-of-life issues in the ICU (receiving to valuing)</td>
<td>Rotation time</td>
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Department of Anesthesiology
University of Minnesota

Goals and Objectives

System Based Practice

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<td>Work in inter-professional teams with nutritionist, pharmacist, social worker, physical therapist, occupational therapist to increase patient safety and quality of care (perception to complex overt response)</td>
<td>Rotation time</td>
<td>o direct observation</td>
</tr>
<tr>
<td>Coordinate patient care (perception to complex overt response)</td>
<td>Rotation time</td>
<td>o 360</td>
</tr>
<tr>
<td>Discuss system-based problems as they pertain to patient care at M&amp;M conferences (knowledge to analysis)</td>
<td>Rotation time</td>
<td>o M&amp;M conference presentation with system analysis</td>
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Scholarly/Research Activities

Reading Requirements

The resident should read the following chapters while taking the rotation:

Text: Chapters:
3. Handbook for Pain Management Rotation, MCG.

Suggested Readings
10. Raj’s Pain Medicine Review.
11. Cousins’ Neural Blockade In Clinical Anesthesia and Management of Pain.
Assessments

The resident will receive a summative written evaluation form at the end of the rotation from the Site Director, as well as verbal feedback informally throughout the rotation. The case-logs of the resident will also be evaluated periodically by the clinical competency committee for the number and type of procedures and anesthetic techniques entered to ensure they are obtaining adequate experience.

Notes