

| Course | Foundations of Acute Pain Management  |   |   |  |                         | Techniques of Acute Pain Management   |                         | Acute Pain Management Education, Business and Evidence Based Practice |  |   |  |
|--------|---|---|---|--|-------------------------|---|-------------------------|---|--|---|--|
| Unit   | Orientation   | Non-Allopathic Principles Of Acute Pain Management  | Physiology of Pain Neurologic Assessment and Evaluation of Pain                                 | Pharmacology of Acute Pain Management  | Break (2 weeks)         | Techniques of Acute Pain Management   | Break (3 weeks)         | Adult Pedagogy for the Acute Pain Mentor                              | Research and Enhanced Surgical Recovery from Anesthesia          | Sub-Specialty Topics in Acute Pain Management   | Business Aspects of Acute Pain Management                            |
| Module | Fellowship Orientation (0.5 week)<br>Dr. Johnson  | Spiritual and Cultural Dimensions of Acute Pain (0.5 week)<br>Dr. Vollman                                 | Microanatomy and Functional NeuroAnatomy Aberrant Anatomy (1 week)<br>Dr. Halle                 | Pharmacogenetics, Dynamics, and Kinetics of Acute Pain Management (1 week)<br>Dr. Riddle |                         | Ultrasound Physics (1 week)<br>Dr. Falyar   |                         | Principles of Adult Education (0.5 week)<br>Dr. Krau                  | Evidenced-Based Acute Pain Management (1 week)<br>Dr. Furstein   | Pediatric Regional Anesthesia (1 week)<br>Dr. Furstein                                      | Public Policy (0.5 week)<br>Dr. Hulin                                |
|        | Legal, Ethical, & Professional Issues in Management of Acute Pain (0.5 week)<br>Dr. Spiegel | Psychological Impact and Neurocognitive Therapeutic Strategies of Pain Management<br>Dr. Fosam (0.5 week) | Pathophysiology of Acute Pain (1 week)<br>Dr. Marchand  | Local Anesthetics and Lipids (1 week)<br>Meyer   |                         | Neuraxial Techniques Spinal/Epidural (1 week)<br>Dr. Johnson  |                         | Advanced Mentoring Skills (0.5week)<br>Dr. Krau                       | Research Topics in Acute Pain Management (1week)<br>Dr. Furstein | Nonsurgical Acute Pain Management (0.5 week)<br>Dr. Johnson                                 | Foundation of Initiating an Acute Pain Service (1 week)<br>Goodwin   |
|        |   |   |   |  |                         | Introduction to Regional Blocks<br>Edwards, Dollar  |                         |   |  |   |  |
|        |   | Non-Allopathic Considerations for Acute Pain Management (1 week)<br>Dr. Fosam                             | Clinical Assessment of Pain (1 week)<br>Dr. Merchant  | Multimodal Analgesia (1 week)<br>Dr Silvestro  |                         | Upper Extremity (2 weeks)<br>Dollar, Parrish, Edwards, Moss, Johnson, Gaskin  |                         |   | ESRA Protocols (1 week)<br>Dr. Johnson                           | Acute Pain Management in the Chronic Pain/Substance Abuse Patient (0.5 week)<br>Dr. Aultman | Business Fundamentals in Acute Pain Management (1.5 week)<br>Goodwin |
|        |   |   | Neuromuscular Assessment and Evaluation of Upper and Lower Extremities (1 week)<br>Dr. Williams | Opioids (0.5 week)<br>Dr Silvestro   |                         | Truncal (2 weeks)<br>Moss, Dollar, Parrish, Edwards, Motley, Urigel   |                         |   |  |   |  |
|        |   |   |   | Anticoagulants Interactions in Regional Anesthesia (0.5 week)<br>Dr. Johnson             |                         | Lower Extremity (2 weeks)<br>Falyar, Johnson, Moss, Nash, Crosslin, Edwards   |                         |   |  |   |  |
|        |   |   |   |  |                         | Perineural Catheter Indications, Techniques, and Equipment. (1 week)<br>Parrish, Moss, Johnson, Gaskin, Dollar, Edwards |                         |   |  |   |  |
|        |   |   |   |  |                         | Diagnosis and Management of Complication of Regional Anesthesia (1 week)<br>Dr. Johnson                                 |                         |   |  |   |  |
|        | 1 week  | 2 weeks   | 4 weeks   | 4 weeks  | Summative Evaluation #1 | 10 weeks  | Summative Evaluation #2 | 1 week  | 3 weeks  | 2 weeks   | 3 weeks<br>Summative Evaluation #3                                   |

Cadaver Experience to be scheduled during the third course.