

## **Adult Orthopaedic & Fracture/Trauma Rotation at Tripler PGY-3**

### **Description of Rotation**

The Tripler Army Medical Center (TAMC) is a level III trauma center which allows maturation and growth of the resident, by increasing decision making responsibilities in the emergency room and clinical settings. The PGY-3 residents are in the trauma service at TAMC for a four month rotation. The resident runs his own fracture and emergency room follow up clinic with faculty support, where a wide variety of adult and pediatric fractures and soft tissue injuries are evaluated and treated. Residents are also assigned to one of the Tripler operative services (teams) and scrubs at least one day per week. Night call is shared on a rotational basis with the Tripler Orthopedic residents.

Length:	4 months of PGY-III year
Location:	Tripler Army Medical Center
Primary Supervisors:	Joseph Orchowski, M.D.
Contact Telephone #:	433-3557 (Ms. Sherry Pico)

### **Patient Care**

#### **Competency**

Residents must be able to provide patient care that is compassionate, appropriate, patient-centered and effective for the diagnosis treatment of orthopaedic problems and the promotion of health. Residents are expected to:

#### **Objectives:**

1. Demonstrate caring and respectful behaviors (verbal and non-verbal) with patients and families.
2. Elicit information (history) using effective questioning and listening skills.
3. Efficiently and effectively assess pediatric and adult fractures, dislocations, and sprains in the outpatient setting.
4. Manage a busy orthopedic outpatient fracture clinic and learn to evaluate, triage, and treat a wide spectrum of musculoskeletal injuries, in an active duty military population (and their dependants).
5. Assess, diagnose and treat common orthopedic overuse syndromes of musculoskeletal system.
6. Be able to effectively counsel patients and families and caregivers about the plan of care.
7. Prescribe and/or consult with allied health specialists in PT, OT, Vocational counseling, psychiatry, and SW as appropriate.
8. Recognize and diagnose peripheral nerve and vascular injuries and provide counseling regarding recommended treatment.
9. Make an early diagnosis and provide prompt treatment of acute compartment syndromes in the upper and lower extremities.
10. Be a vital part of the outpatient clinic and operative service teams under the supervision of attending faculty.
11. Be able to diagnose and treat common joint dislocations in the emergency department setting (e.g., shoulder, elbow, hip, and ankle).

12. Apply well molded casts, splints, and dressings for most orthopedic conditions (e.g., long and short arm and leg casts/splints, R. Jones dressing).
13. Increase diagnostic accuracy of significant shoulder and knee ligament injuries.

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## **Medical Knowledge**

### **Competency**

Residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological, and social-behavioral sciences, as well as the application of this knowledge to patient care. Residents are expected to be able to:

### **Objectives:**

1. Use common classification systems for long bone, periarticular injuries, and ligamentous injuries.
2. Know and cite peer review literature that pertains to the patients treated while on call.
3. Recommend treatment plans for specific injuries based on literature reviews. Be able to defend therapeutic recommendations based on cited articles.
4. Provide article citations at morning report during patient presentations.
5. Defend recommended operative plan at pre operative conference, with appropriate literature citations.
6. Cite levels of evidence in the literature cited to support treatment.
7. Differentiate between patients who have non operative versus operative fractures and conditions. Use knowledge of appropriate bracing techniques in fracture (non operative) treatment.
8. Use knowledge of best practices for treatment of ligamentous injuries of ankle, knee, shoulder and elbow. Cite references that apply.

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## **Practice-Based Learning and Improvement**

### **Competency**

Residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and life long learning. Residents are expected to develop skills and habits to be able to:

### **Objectives:**

1. Evaluate one's own knowledge, incorporating feedback from faculty and chief residents at Tripler.
2. Modify self-directed learning appropriately, including feedback provided from the OITE results.
3. Appraise and assimilate evidence from scientific studies to enhance patient care, especially as it relates to patients seen in clinic or on call.
4. Effectively use information technology (Tripler Computer systems) to access and manage patient information
5. Effectively use information technology and other resources to support one's own ongoing self-education (DVDs, CDs, Vumedi etc).

6. Contribute to discussions concerning patient care with other health care professionals, attendings, including trauma team and consultants.
7. Attend and participate in teaching conferences and rounds.
8. Produce a pre-rotation list of specific goals and objectives for each rotation; share these goals and objectives with the Program Director and faculty preceptors; track progress towards achieving these goals and objectives; and report on the accomplishments.
9. Pursue a research project (optional).

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## **Systems-Based Practice**

### **Competency**

Residents must demonstrate an awareness of and responsiveness to the larger context and system of health care, as well as be able to effectively call on other resources in the system to provide optimal health care. Residents are expected to:

### **Objectives**

1. Collaborate with and maintain appropriate professional attitudes and behaviors toward other medical professionals and allied health personnel.
2. Respect the military atmosphere of the medical center.
3. Assess how one's own actions affect others, especially in the clinic and E.R. settings.
4. Integrate the care of patients in inpatient settings.
5. Use diagnostic and therapeutic procedures appropriately and judiciously.
6. Carefully and thoughtfully evaluate the risks, benefits, limitations, and costs of patient care.
7. Provide data for M&M conferences to positively affect patient care.
8. Participate in clinical pathways designed to improve patient outcomes.
9. Serve as patient advocates in dealing with system complexities.
10. Serve as patient advocates for quality patient care.
11. Work effectively with other services, health care agencies, and case managers.
12. Work to improve the system of medical care at Tripler Medical Center.

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## **Professionalism**

### **Competency**

Residents must demonstrate commitment to carrying out professional responsibilities and an adherence to ethical principles. Residents are expected to:

### **Objectives**

1. Exemplify and display an observable respect and compassion toward patients.
2. Exemplify reliability, punctuality, integrity, and honesty.
3. Accept responsibility for one's own actions and decisions.
4. Apply sound ethical principles in medical practice, including issues of patient confidentiality, informed consent, provision for the withholding of care, and interactions with insurance companies and disability agencies.
5. Consider the effects of personal, social, and cultural factors in the disease process and patient management.

6. Demonstrate non-judgmental sensitivity and responsiveness to the age, culture, disability status, and gender of patients and colleagues.
7. Understand rules and constraints in the military environment.

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## **Interpersonal and Communication Skills**

### **Competency**

Residents must demonstrate interpersonal and communication skills that result in the effective exchange of information and teaming with patients, their families, and professional associates. Residents are expected to:

### **Objectives**

1. Establish trust and maintain rapport with patients and families, and supervising physicians.
2. Complete dictations and chart notes in a timely manner (monitored by medical records department and Program Director).
3. Discuss diagnoses, prognoses, and treatment options clearly and accurately to patients.
4. Synthesize information and present clinical and diagnostic information clearly to colleagues.
5. Utilize effective listening skills.
6. Communicate and interact with staff/team in respectful, responsive manner.
7. Promote teamwork, and coordinate the work up of orthopedic patients at Tripler.

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## **Teaching Methods**

PGY-3 residents on the Tripler Fracture/Trauma service function with a 1:1 faculty/resident ratio. Teaching is by case-method with didactic support in the form of basic science lectures, journal club, grand rounds, morbidity and mortality conferences. A disciplined respectful military environment fosters self reliance and critical self analysis.

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## **Assessment Method (residents)**

Resident performance will be subject to daily formative evaluation in the operating room, and the clinic; a formative counseling session is held early in the rotation with the primary supervisor (Dr. Orchowski). Program Director/Faculty supervisor/Resident evaluation meetings will provide summative evaluation at rotation's end.