

**Course Name: Advanced Elective in Wound Care and Burn Rehabilitation Course Number: PMED 2106**

Department: Physical Medicine and Rehabilitation

Faculty Coordinator: Merrine Klakeel, DO

Faculty Co-Elective Director: Kelly Scott, MD

Location: UTSW Medical Center, Parkland Memorial Hospital

Length: 4 weeks

Prerequisites (if any): General PM&R 1 month rotation (either here at UTSW or elsewhere)

Periods offered: November-June (5-12)

Number of students per 4-week period: 1

First day Contact: Godley Johnson 214-648-3477

First day/ time: 8:00 am

First day location: 4<sup>th</sup> floor Sprague building CS4.104 214-648-3477

- I. **Course Description:** This course is designed to increase exposure to PM&R and wound care. Students will rotate with various faculty in an outpatient/inpatient setting at both UT Southwestern and Parkland to observe and learn various aspects of this subspecialty within the field of PM&R.

II. **Learning goals/objectives/Assessments:**

Goals	Objectives	Assessment methods (examples)
<b>Patient Care:</b> Students will learn the specialty focused history, physical	<ol style="list-style-type: none"><li>1. Learn how to take an appropriate history that is specific to the diagnosis. The history and exam must be focused on the wound, while also considering other medical and social factors that is contributing to the wound.</li><li>2. Learn to differentiate between 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> degree burn and to calculate the total body surface area affected.</li></ol>	<i>The student will be evaluated based on oral presentation on rounds and chart documentation for one assigned patient daily</i>

	<ol style="list-style-type: none"> <li><b>3.</b> Learn the necessary skills and terminology used when examining a wound.</li> <li><b>4.</b> Learn to recognize the various wound dressings available in clinic and differences among them. Understanding the basic characteristics of each dressing will help in deciding what dressing to use for a specific wound.</li> <li><b>5.</b> Learn to recognize how the burns wounds will impact mobility and activities of daily mobility.</li> <li><b>6.</b> Learn about necessary joint specific splints and positioning that will help maintain joint mobility and prevent contractures as the wounds heal and scar tissue mature.</li> <li><b>7.</b> Learn to formulate appropriate treatment plans and wound dressings for the presenting wound.</li> <li><b>8.</b> Assist in the diagnosis and treatment of wounds.</li> <li><b>9.</b> To observe the various wound debridement techniques for the treatment of chronic wounds and understand their proper use within the context of a rehabilitation-based approach to pain management.</li> </ol>	
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<p><b>Medical knowledge:</b> Students will learn the pathophysiology and management of the most common diagnoses encountered.</p>	<ol style="list-style-type: none"> <li>1. Come away with knowledge of how to approach patients with problems of acute and chronic wounds of various causes (i.e. diabetic foot ulcers, venous stasis ulcers, arterial ulcers, surgical wound dehiscence, pressure ulcers)</li> <li>2. To understand with the pathophysiology of the underlying medical conditions that leads to chronic wounds.</li> <li>3. To understand the key elements of rehabilitation of burn wounds – wound care, functional improvements and emotional impact.</li> <li>4. Understand and recognize the role of rehabilitation after a large TBSA burn.</li> <li>5. To learn the diagnostic tests commonly ordered to correctly diagnose the cause of an existing wound.</li> <li>6. To become familiar with the various wound dressings available on market and in the clinic.</li> <li>7. Understand the different wound debridement techniques available and choose the best treatment option.</li> <li>8. To become familiar with preventive strategies that can prevent new wounds in the future. Become comfortable at educating patients on</li> </ol>	<p><i>The student will complete a brief quiz at the end of the rotation</i></p> <p><i>At the end of the rotation, the student will list in writing the 3 most common reasons for referral to the service, and the criteria for a well- constructed referral.</i></p>
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	<p>these preventive strategies.</p> <p>9. To learn medication management for pain and infection control.</p> <p>10. To broaden knowledge through independent study tools, reading assignments, and topic/journal article presentations</p>	
<p><b>Interpersonal and Communication skills:</b> The student will effectively communicate with colleagues and patients.</p>	<ol style="list-style-type: none"> <li>1. Demonstrate sensitivity to patients who are in pain and often have comorbid psychiatric diagnoses</li> <li>2. Learn to communicate with patients and family members in a thorough and compassionate manner</li> <li>3. Work well within the PM&amp;R team, including fellow physicians, rehabilitation nursing staff, physical therapists, and occupational therapists.</li> </ol>	<p><i>The student will be evaluated based on oral presentation on rounds and chart documentation for one assigned patient daily</i></p>
<p><b>Professionalism:</b> The student will demonstrate respect for patients and colleagues</p>	<ol style="list-style-type: none"> <li>1. Demonstrate integrity in all aspects of the rotation, including manner of dress, punctuality, politeness to staff and patients, completing work on time</li> <li>2. Treat patients in a compassionate and respectful manner.</li> </ol>	<p><i>Based on observation of attendance at and participation in rounds</i></p>
<p><b>Practice Based Learning and Improvement</b></p>	<p>Add objectives if applicable</p>	
<p><b>System based practice:</b> Students are expected to:</p>	<ol style="list-style-type: none"> <li>1. Be exposed to various outpatient/inpatient settings for the treatment of wounds in adults</li> <li>2. Be exposed to patient populations of varying</li> </ol>	

	<p>socioeconomic status, to understand the complexities of care within our health care system</p> <p><b>3.</b> Understand the role of the rehabilitation team in the treatment of patients with neurological disorders, including PTs/OTs and RNs</p>	
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### III. Methods of Instruction:

#### A. Didactic:

1. Lectures each Friday 8am – 11:30am

#### B. Clinical

1. Student will be given a schedule at the start of the rotation with a variety of different clinics to attend, which will include the UTSW wound care clinic and Parkland multidisciplinary burn clinic. Students may also be instructed to spend time rotating with physical, or occupational therapists as appropriate.

### IV. Schedule:

Monday AM – UTSW Wound Care Clinic (WCC) – Dr. Kowalske

Monday PM – WCC – Stephanie G., NP

Tuesday AM – PMR Burn Consults/rounds at Parkland

Tuesday PM – Parkland Burn Clinic – Dr. Kowalske

Wednesday AM – WCC – Dr. Klakeel

Wednesday PM – WCC – Stephanie G., NP

Thursday AM – PMR Burn Consults/rounds at Parkland

Thursday PM – Parkland Burn Clinic – Dr. Kowalske

Friday AM – WCC – Dr. Klakeel/Didactics

Friday PM – WCC – Dr. Kowalske

V. Course Requirements:

1. 15 minute presentation on a journal article or topic of interest to be given before the end of the rotation to attending faculty
2. Attendance at all clinics and didactic sessions

VI. Method(s) of Evaluation

1. Observation by attending faculty during clinic and didactic sessions.
2. Observation by residents working with the student
3. Grading of the presentation for thoroughness and relativity

VII. Recommended Reading:

To be provided upon the start of rotation.