



## Learning Objectives for Undergraduate Rotations in Plastic Surgery Year 3 Clerkship

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- Describe the characteristics of partial-thickness and full-thickness burns AFD
- Calculate the extent of burn injury, using the rule of nines in adults and children to estimate the percentage of total body surface burned AFD
- Estimate the fluid resuscitation requirements for a patient with a greater than 20% surface area partial and full- thickness burn injury AFD
- Identify inhalation injury based on history and physical findings and propose initial management AFD
- Describe the early care of the burn wound, including indications for escharotomy and pain control AFD
- Compare the basic characteristics of full thickness skin grafts and split thickness skin grafts
- Define two important differences between electrical injuries and chemical injuries AFD
- Explain local and general methods that can ameliorate the effects of scar disfigurement
- Describe the emergency assessment, including clinical exam and appropriate investigations of a patient with a facial injury AFD
- Identify the normal hand bones on radiography and describe metacarpal and phalangeal fractures
- Describe the position of safety for hand splinting AFD
- Identify traumatic division of a hand flexor or extensor tendon on clinical examination AFD
- Describe appropriate timing of tendon injury repair, and emergency treatment options when definitive repair will be delayed
- Describe the clinical findings that will result from division of median, ulnar or radial nerves AFD
- Describe the appropriate timing of nerve repair and expected time for return of function
- Understand the utility of the reconstructive ladder for soft tissue defects
- List common causative organisms, describe proper drainage techniques and prescribe appropriate antibiotics for common infections referred to Plastic Surgeons, including paronychia, pulp space infection, acute purulent tenosynovitis, palmar space infection, lymphangitis, and septic arthritis
- Summarize the acute care of a traumatic amputation or avulsion of a hand digit