

Soft Tissue Trauma, Infections — Medical Knowledge				
Level 1	Level 2	Level 3	Level 4	Level 5
<ul style="list-style-type: none"> • Manages acute and chronic infections of the hand • Understands biology and risk factors for primary wound healing • Understands indications for imaging of soft tissue conditions • Understands physiology and presentation of compartment syndrome • Understands the signs and symptoms of infections (e.g., purulent flexor tenosynovitis, deep space infections, necrotizing fasciitis) 	<ul style="list-style-type: none"> • Understands the use of biologic and negative pressure dressings • Understands anatomy and physiology of grafts and flaps (e.g., random, fascial, axial, microvascular flaps) • Understands the physiology of thermal injury • Understands the presentation and natural history of septic arthritis and osteomyelitis • Recognizes and understands treatment of non-bacterial hand infections (e.g., fungal, mycobacterial) 	<ul style="list-style-type: none"> • Understands the physiology of ischemic reperfusion • Understands indications for amputation vs. salvage of amputated parts • Understands options for soft tissue reconstruction of the hand, including burn care • Understands options for post-traumatic thumb reconstruction at different levels (interphalangeal [IP], MP, CMC) • Understands conditions that simulate infection (gout, synovitis, a factitious disorder) 	<ul style="list-style-type: none"> • Understands the timing and sequencing of treatment of mutilating soft tissue injuries (crush, ischemic, burn, gunshot wound) • Understand the potential causes, monitoring, and treatment of the ischemic failing flap or replanted part • Understands indications and selection of local, regional, and distant flaps for hand reconstruction 	<ul style="list-style-type: none"> • Understands the physiology and indications for allotransplantation
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Comments:				

Soft Tissue Trauma, Infections — Patient Care				
Level 1	Level 2	Level 3	Level 4	Level 5
<ul style="list-style-type: none"> • Applies and manages negative pressure wound therapy • Completes fingertip amputations • Assesses level of burn injury • Performs debridement of traumatic and superficial burn wounds • Recognizes and diagnoses compartment syndrome 	<ul style="list-style-type: none"> • Performs skin grafting • Manages acute infections of the hand • Manages purulent flexor tenosynovitis • Performs deep burn debridement • Decompresses hand and forearm compartments • Uses microsurgical techniques in a simulated environment 	<ul style="list-style-type: none"> • Performs uncomplicated soft tissue coverage (e.g., cross-finger, Moberg, flag flaps) • Performs vascular repair (wrist level or proximal) • Manages chronic infections of the hand (e.g., fungal, mycobacterial, osteomyelitis) • Manages high-pressure injection injuries • Provides post-operative management of flaps, including monitoring vascularity 	<ul style="list-style-type: none"> • Performs digital and/or hand replantation and revascularization • Performs complex soft tissue coverage procedures (e.g., groin, radial forearm, neurovascular island and fillet flaps, microvascular tissue transfer) • Manages complications of failed flap and replantation/revascularization 	<ul style="list-style-type: none"> • Performs toe-to-hand transfer • Performs hand transplant • Performs complex reconstruction of hand burns
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Comments:				