

# Arm, Forearm, and Hand Lacerations

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## REFERENCES

- Prabhakar H, Rath S, Kalaiyani M, Bhandari N: Adrenaline with lidocaine for digital nerve blocks. *Cochrane Database Syst Rev* 3: CD010645, 2015. [PMID: 25790261]
- Ilicki J: Safety of epinephrine in digital nerve blocks: a literature review. *J Emerg Med* 49: 799, 2015. [PMID: 26254284]
- Stevens JC: Aging and spatial acuity of touch. *J Gerontol* 47: P35, 1992. [PMID: 1730857]
- Levy BA, Zlowodzki MP, Graves M, et al: Screening for extremity arterial injury with the arterial pressure index. *Am J Emerg Med* 23: 689, 2005. [PMID: 16140180]
- Johansen K, Lynch K, Paun M, et al: Non-invasive vascular tests reliably exclude occult arterial trauma in injured extremities. *J Trauma* 31: 515, 1991. [PMID: 2020038]
- Draghi F, Gitto S, Bianchi S: Injuries to the collateral ligaments of the metacarpophalangeal and interphalangeal joints: sonographic appearance. *J Ultrasound Med* 37: 2117, 2018. [PMID: 29480577]
- Hyatt BT, Saucedo JM: Bedside procedures in hand surgery. *J Hand Surg Am* 22: S0363-S023(18)30041-8, 2018. [PMID: 29801937]
- Shaw JA, DeMuth WW, Gillespy AW: Guidelines for the use of digital tourniquets based on physiologic pressure measurements. *J Bone Joint Surg Am* 67: 1086, 1985. [PMID: 4030827]
- Browning BB, Ventimiglia AV, Dixit A, Illicic E, Urban WP, Jauregui JJ: Does the saline load test still have a role in the orthopaedic world? A systematic review of the literature. *Acta Orthop Traumatol Turc* 50: 597, 2016. [PMID: 27979366]
- Corre KA, Arnold A: Iatrogenic digital compromise with tubular dressings. *West J Emerg Med* 10: 190, 2009. [PMID: 19718382]
- Spruiell MD, Messina MJ, Mitchell JJ, Scott FA: A deadly digital dressing: a case of surgical decompression for finger ischemia due to circumferential finger dressing. *J Emerg Med* 46: 655, 2014. [PMID: 24462035]
- Roodsari GS, Zahedi F, Zehtabchi S: The risk of wound infection after simple hand laceration. *World J Emerg Med* 6: 44, 2015. [PMID: 25802566]
- Berwald N, Khan F, Zehtabchi S: Antibiotic prophylaxis for ED patients with simple hand lacerations: a feasibility randomized controlled trial. *Am J Emerg Med* 32: 768, 2014. [PMID: 24792937]
- Zehtabchi S: Evidence-based emergency medicine/critically appraised topic. The role of antibiotic prophylaxis for prevention of infection in patients with simple hand lacerations. *Ann Emerg Med* 49: 682, 2007. [PMID: 17452265]
- Moran GJ, Talan DA, Abrahamian FM: Antimicrobial prophylaxis for wounds and procedures in the emergency department. *Infect Dis Clin North Am* 22: 117, 2008. [PMID: 18295686]
- Ootes D, Lambers KT, Ring DC: The epidemiology of upper extremity injuries presenting to the emergency department in the United States. *Hand (NY)* 7: 18, 2012. [PMID: 23449400]
- Shoji K, Cavanaugh Z, Rodner CM: Acute fight bite. *J Hand Surg Am* 38: 1612, 2013. [PMID: 23660199]
- Smith HR, Hartman H, Loveridge J, Gunnarsson R: Predicting serious complications and high cost of treatment of tooth-knuckle injuries: a systematic literature review. *Eur J Trauma Emerg Surg* 42: 701, 2016. [PMID: 27363840]
- Malahias M, Jordan D, Hughes O, Khan WS, Hindocha S: Bite injuries to the hand: microbiology, virology and management. *Open Orthop J* 8: 157, 2014. [PMID: 25067969]
- Chang MC, Huang YL, Liu Y, Lo WH: Infectious complications associated with tooth-pick injuries of the hand. *J Hand Surg* 28: 327, 2003. [PMID: 12671867]
- Amirtharajah M, Lattanza L: Open extensor tendon injuries. *J Hand Surg Am* 40: 391, 2015. [PMID: 25557773]
- Lamaris GA, Matthew MK: The diagnosis and management of mallet finger injuries. *Hand (NY)* 12: 223, 2017. [PMID: 28453357]
- Lin JS, Samora JB: Outcomes of splinting in pediatric mallet finger. *J Hand Surg Am* 43: 1041.e1, 2018. [PMID: 29776724]
- Rashid A, Brennan MD: Psychiatric assessment of patients with self-inflicted lacerations to the wrist and forearm admitted to a nonpsychiatric ward: the experience of a regional plastic surgery unit. *J Plast Reconstr Aesthet Surg* 59: 266, 2006. [PMID: 16673540]
- McNicholl BP, Martin J, McAleese P: Subclinical injuries in lacerations to the forearm and hand. *Br J Surg* 79: 765, 1992. [PMID: 1393466]
- Tuncali D, Yavuz N, Terzioğlu A, Aslan G: The rate of upper-extremity deep-structure injuries through small penetrating lacerations. *Ann Plast Surg* 55: 146, 2005. [PMID: 16034243]
- Fujiwara M: A case of trigger finger following partial laceration of flexor digitorum superficialis and review of the literature. *Arch Orthop Trauma Surg* 125: 430, 2005. [PMID: 15864678]
- Quinn J, Cummings S, Callahan M, Sellers K: Suturing versus conservative management of lacerations of the hand: randomized controlled trial. *BMJ* 325: 229, 2002. [PMID: 12169503]
- Tintle SM, Baechler ME, Nanos GP, Forsberg JA, Potter BK: Traumatic and trauma-related amputations, Part II: upper extremity and future directions. *J Bone Joint Surg Am* 92: 2934, 2010. [PMID: 21159994]
- Tang JB, Wang ZT, Chen J, Wong J: A global view of digital replantation and revascularization. *Clin Plast Surg* 44: 189, 2017. [PMID: 28340658]
- Brown RE: Acute nail bed injuries. *Hand Clin* 18: 561, 2002. [PMID: 12516973]
- Shaw A, Findlay J, Kulkarni M: Management of fingertip and nail bed injuries. *Br J Hosp Med (Lond)* 72: M114, 2010. [PMID: 21841580]
- Sindhu K, DeFroda SE, Harris AP, Gil JA: Management of partial fingertip amputation in adults: operative and nonoperative treatment. *Injury* 48: 2643, 2017. [PMID: 29100662]
- Dean B, Becker G, Little C: The management of the acute traumatic subungual haematoma: a systematic review. *Hand Surg* 17: 151, 2012. [PMID: 22351556]
- Patel L: Management of simple nail bed lacerations and subungual hematomas in the emergency department. *Pediatr Emerg Care* 30: 742, 2014. [PMID: 2527535]
- Tzeng YS: Use of an 18-gauge needle to evacuate subungual hematomas. *J Emerg Med* 44: 196, 2013. [PMID: 2331237]
- Roser SE, Gellman H: Comparison of nail bed repair versus nail trephination for subungual hematomas in children. *J Hand Surg* 24: 1166, 1999. [PMID: 10584937]
- Batricks N, Hashemi K, Freij R: Treatment of uncomplicated subungual haematoma. *Emerg Med J* 20: 65, 2003. [PMID: 12533376]
- Edwards S, Parkinson L: Is fixing pediatric nail bed injuries with medical adhesives as effective as suturing? A review of the literature. *Pediatr Emerg Care* December 12, 2016. [PMID: 27977531]
- Pearce S, Colville RJ: Nailbed repair and patient satisfaction in children. *Ann R Coll Surg Engl* 92: 483, 2010. [PMID: 20513272]
- Weinand C, Demir E, Lefering R, et al: The native nail is probably better than silicone nail splint. A comparison of complications in 400 patients after native nail versus silicone nail splints for fingernail splinting after injuries. *World J Surg* 38: 2574, 2014. [PMID: 24777661]
- Kalkan A, Kose O, Tas M, Meric G: Review of techniques for the removal of trapped rings on fingers with a proposed new algorithm. *Am J Emerg Med* 31: 1605, 2013. [PMID: 24070977]
- Meals C: Rings may be removed with a tie from a surgical mask. *Ann Emerg Med* 66: 93, 2015. [PMID: 26097033]
- Yin ZG, Zhang JB, Kan SL, Wang P: A comparison of traditional digital blocks and single subcutaneous palmar injection blocks at the base of the finger and a meta-analysis of the digital block trials. *J Hand Surg Br* 31: 547, 2006. [PMID: 16930788]
- Bean JF, Hebal F, Hunter CJ: A single center retrospective review of hair tourniquet syndrome and a proposed treatment algorithm. *J Pediatr Surg* 50: 1583, 2015. [PMID: 25783322]