

REFERENCES

- Miller LG, Eisenbertg DF, Liu H, et al: Incidence of skin and soft tissue infections in ambulatory and inpatient settings. *BMC Infect Dis* 15: 362, 2015. [PMID: 26293161]
- Liu C, Bayer A, Cosgrove SE, et al: Clinical practice guidelines by the Infectious Diseases Society of America for the treatment of methicillin-resistant *Staphylococcus aureus* infections in adults and children. *Clin Infect Dis* 52: e18, 2011. [PMID: 21208910]
- Stevens DL, Bisno AL, Chambers HF, et al: Practice guidelines for the diagnosis and management of skin and soft tissue infections: 2014 update by the Infectious Diseases Society of America. *Clin Infect Dis* 59: e10, 2014. [PMID: 24973422]
- Anaya DA, Dellinger EP: Necrotizing soft-tissue infection: diagnosis and management. *Clin Infect Dis* 44: 705, 2007. [PMID: 17278065]
- Eron LL: Cellulitis and soft-tissue infections. *Ann Intern Med* 150: ITC11, 2009. [PMID: 19124814]
- McNamara DR, Tleyjeh IM, Berbari EF, et al: Incidence of lower-extremity cellulitis: a population-based study in Olmsted county, Minnesota. *Mayo Clin Proc* 82: 817, 2007. [PMID: 17605961]
- Moran GJ, Krishnadasan A, Gorwitz RJ, et al: Methicillin-resistant *S. aureus* infections among patients in the emergency department. *N Engl J Med* 355: 666, 2006. [PMID: 16914702]
- Szumowski JD, Cohen DE, Kanaya F, Mayer KH: Treatment and outcomes of infections by methicillin-resistant *Staphylococcus aureus* at an ambulatory clinic. *Antimicrob Agents Chemother* 51: 423, 2007. [PMID: 17116664]
- Skjest DJ, Brown K, Cooper TW, et al: Prospective comparison of methicillin-susceptible and methicillin-resistant community-associated *Staphylococcus aureus* infections in hospitalized patients. *J Infect* 54: 427, 2007. [PMID: 17070598]
- Aiello AE, Lowy FD, Wright LN, Larson EL: Methicillin-resistant *Staphylococcus aureus* among US prisoners and military personnel: review and recommendations for future studies. *Lancet Infect Dis* 6: 335, 2006. [PMID: 16728319]
- Imberg R, Potasman I, Weissman Y, Grupper M: Hand infections following penetrating fish fins or bones injuries (FFBI): a large, hospital based, retrospective study. *Infection* 36: 565, 2008. [PMID: 18726555]
- Cohen PR: Community-acquired methicillin-resistant *Staphylococcus aureus* skin infections: a review of epidemiology, clinical features, management, and prevention. *Int J Dermatol* 46: 1, 2007. [PMID: 17214713]
- Ellis Simonsen SM, van Orman ER, Hatch BE, et al: Cellulitis incidence in a defined population. *Epidemiol Infect* 134: 293, 2006. [PMID: 16490133]
- Magilner D, Byerly MM, Cline DM: The prevalence of community-acquired methicillin-resistant *Staphylococcus aureus* (CA-MRSA) in skin abscesses presenting to the pediatric emergency department. *N C Med J* 69: 351, 2008. [PMID: 19006923]
- Chira S, Miller LG: *Staphylococcus aureus* is the most common identified cause of cellulitis: a systematic review. *Epidemiol Infect* 138: 313, 2010. [PMID: 19646308]
- Jeng A, Beheshti M, Li J, Nathan R: The role of beta-hemolytic streptococci in causing diffuse, nonculturable cellulitis: a prospective investigation. *Medicine (Baltimore)* 89: 217, 2010. [PMID: 2061661]
- Pallin DJ, Binder WD, Allen MB, et al: Clinical trial: comparative effectiveness of cephalexin plus trimethoprim-sulfamethoxazole versus cephalexin alone for treatment of uncomplicated cellulitis: a randomized controlled trial. *Clin Infect Dis* 56: 1754, 2013. [PMID: 23457080]
- Moran GJ, Krishnadasan A, Mower WR, et al: Effect of cephalexin plus trimethoprim-sulfamethoxazole vs cephalexin alone on clinical cure of uncomplicated cellulitis. *JAMA* 317: 2088, 2017. [PMID: 28535235]
- Krasagakis K, Samonis G, Maniatakis P, et al: Bullous erysipelas: clinical presentation, staphylococcal involvement and methicillin resistance. *Dermatology* 212: 31, 2006. [PMID: 16319471]
- Peralta G, Padron G, Roiz MP, et al: Risk factors for bacteremia in patients with limb cellulitis. *Eur J Clin Microbiol Infect Dis* 25: 619, 2006. [PMID: 17047905]
- Gunderson CG: Cellulitis: definition, etiology, and clinical features. *Am J Med* 124: 1113, 2011. [PMID: 22014791]
- Tayal VS, Hasan N, Norton HJ, et al: The effect of soft-tissue ultrasound on the management of cellulitis in the emergency department. *Acad Emerg Med* 13: 384, 2006. [PMID: 16531602]
- Raff AB, Kroshinsky D: Cellulitis, a review. *JAMA* 316: 325, 2016. [PMID: 27434444]
- Khawcharoenporn T, Tice A: Empiric outpatient therapy with trimethoprim-sulfamethoxazole, cephalexin, or clindamycin for cellulitis. *Am J Med* 123: 942, 2010. [PMID: 20920697]
- Wells RC, Mason P, Roarty R, Dooley M: Comparison of initial antibiotic choice and treatment of cellulitis in the pre- and post-community-acquired methicillin-resistant *Staphylococcus aureus* eras. *Am J Emerg Med* 27: 436, 2009. [PMID: 19555614]
- Elliott KD, Zaooutis TE, Troxel AB, et al: Empiric antimicrobial therapy for pediatric skin and soft-tissue infections in the era of methicillin-resistant *Staphylococcus aureus*. *Pediatrics* 123: e959, 2009. [PMID: 19470525]
- Brindle R, Williams OM, Davies P, et al: Adjunctive clindamycin for cellulitis: a clinical trial comparing flucloxacillin with or without clindamycin for the treatment of limb cellulitis. *BMJ Open* 7: e013260, 2017. [PMID: 28314743]
- Peterson D, McLeod S, Woolfrey K, et al: Predictors of failure of empiric outpatient antibiotic therapy in emergency department patients with uncomplicated cellulitis. *Acad Emerg Med* 21: 526, 2014. [PMID: 24842503]
- Marin JR, Bilker W, Lautenbach E, Alpern ER: Reliability of clinical examinations for pediatric skin and soft-tissue infections. *Pediatrics* 126: 925, 2010. [PMID: 20974788]
- Iverson K, Haritos D, Thomas R, Kannikeswaran N: The effect of bedside ultrasound on diagnosis and management of soft tissue infections in a pediatric ED. *Am J Emerg Med* 30: 1347, 2012. [PMID: 22100468]
- Marin JR, Dean AJ, Bilker WB, Panebianco NL, Brown NJ, Alpern ER: Emergency ultrasound-assisted examination of skin and soft tissue infections in the pediatric emergency department. *Acad Emerg Med* 20: 545, 2013. [PMID: 23758300]
- Fitch MT, Manthey DE, McGinnis HD, et al: Videos in clinical medicine. Abscess incision and drainage. *N Engl J Med* 357: e20, 2007. [PMID: 17989377]
- Miller LG, Quan C, Shay A, et al: A prospective investigation of outcomes after hospital discharge for endemic, community-acquired methicillin-resistant and -susceptible *Staphylococcus aureus* skin infection. *Clin Infect Dis* 44: 483, 2007. [PMID: 17243049]
- Gaspari RJ, Resop D, Mendoza M, Kang T, Blehar D: A randomized controlled trial of incision and drainage versus ultrasonographically guided needle aspiration for skin abscesses and the effect of methicillin-resistant *Staphylococcus aureus*. *Ann Emerg Med* 57: 483, 2011. [PMID: 21239082]
- Singer AJ, Talan DA: Management of skin abscesses in the era of methicillin-resistant *Staphylococcus aureus*. *N Engl J Med* 370: 1039, 2014. [PMID: 24620867]
- O'Malley GF, Dominici P, Giraldo P, et al: Routine packing of simple cutaneous abscesses is painful and probably unnecessary. *Acad Emerg Med* 16: 470, 2009. [PMID: 19388915]
- Adler AC, Thornton J, McHard K, et al: A comparison of traditional and drainage versus catheter drainage of soft tissue abscesses in children. *J Pediatr Surg* 46: 1942, 2011. [PMID: 22008332]
- Tsoraides SS, Pearl RH, Stanfill AB, Wallace LJ, Vegunta RK: Incision and loop drainage: a minimally invasive technique for subcutaneous abscess management in children. *J Pediatr Surg* 45: 606, 2010. [PMID: 20223328]
- Singer AJ, Thode HC Jr, Chale S, Taira BR, Lee C: Primary closure of cutaneous abscesses: a systematic review. *Am J Emerg Med* 29: 361, 2011. [PMID: 20825801]
- Singer AJ, Taira BR, Chale S, Bhat R, Kennedy D, Schmitz G: Primary versus secondary closure of cutaneous abscesses in the emergency department: a randomized controlled trial. *Acad Emerg Med* 20: 27, 2013. [PMID: 23570475]
- Daum RS, Miller LG, Immergluck L, et al: A placebo-controlled trial of antibiotics for smaller skin abscesses. *N Engl J Med* 376: 2545, 2017. [PMID: 28657870]
- Talan DA, Mower WR, Krishnadasan A, et al: Trimethoprim-sulfamethoxazole versus placebo for uncomplicated skin abscess. *N Engl J Med* 374: 823, 2016. [PMID: 26962903]
- Talan DA, Moran GJ, Krishnadasan A, et al: Subgroup analysis of antibiotic treatment for skin abscesses. *Ann Emerg Med* 71: 21, 2018. [PMID: 28987525]
- Ruhe JJ, Smith N, Bradsher RW, Menon A: Community-onset methicillin-resistant *Staphylococcus aureus* skin and soft tissue infections: impact of antimicrobial therapy on outcome. *Clin Infect Dis* 44: 777, 2007. [PMID: 17304447]
- Duong M, Markwell S, Peter J, Barenkamp S: Randomized, controlled trial of antibiotics in the management of community-acquired skin abscess in the pediatric patient. *Ann Emerg Med* 55: 401, 2009. [PMID: 19409657]
- Black N, Schrock JW: Evaluation of skin and soft tissue infection outcomes and admission decisions in emergency department patients. *Emerg Med Int* 2018: 7142825, 2018. [PMID: 30009056]
- Sarani B, Strong M, Pascual J, et al: Necrotizing fasciitis: current concepts and review of the literature. *J Am Coll Surg* 208: 279, 2009. [PMID: 19228540]
- Stevens DL, Bryant AE: Necrotizing soft-tissue infections. *N Engl J Med* 377: 2253, 2017. [PMID: 29211672]
- Hua C, Bosc R, Sbidian E, et al: Interventions for necrotizing soft tissue infections in adults. *Cochrane Database Syst Rev* 5: CD011680, 2018. [PMID: 29851032]
- Soltani AM, Best MJ, Francis CS, et al: Trends in the incidence and treatment of necrotizing soft tissue infections: an analysis of the National Hospital Discharge Survey. *J Burn Care Res* 35: 449, 2014. [PMID: 25144805]
- Lee TC, Carrick MM, Scott BG, et al: Incidence and clinical characteristics of methicillin-resistant *Staphylococcus aureus* necrotizing fasciitis in a large urban hospital. *Am J Surg* 194: 809, 2007. [PMID: 18005776]
- Maltezou HC, Giamarellou H: Community-acquired methicillin-resistant *Staphylococcus aureus* infections. *Int J Antimicrob Agents* 27: 87, 2006. [PMID: 16423509]
- Morgan MS: Diagnosis and management of necrotizing fasciitis: a multiparametric approach. *J Hosp Infect* 75: 249, 2010. [PMID: 20542593]
- Chan T, Yaghoubian A, Rosig D, et al: Low sensitivity of physical examination findings in necrotizing soft tissue infections is improved with laboratory values: a prospective study. *Am J Surg* 196: 926, 2008. [PMID: 19095111]
- Wong CH, Khin LW, Heng KS, Tan KC, Low CO: The LRINEC (laboratory risk indicator for necrotizing fasciitis) score: a tool for distinguishing necrotizing fasciitis from other soft tissue infections. *Crit Care Med* 32: 1535, 2004. [PMID: 15241098]
- Su YC, Chen HW, Hong YC, et al: Laboratory risk indicator for necrotizing fasciitis score and the outcomes. *ANZ J Surg* 78: 968, 2008. [PMID: 18959694]
- Tsai YH, Hsu RWW, Huang KC, et al: Laboratory indicator for early detection and surgical treatment of *Vibrio* necrotizing fasciitis. *Clin Orthop Relat Res* 468: 2230, 2010. [PMID: 20232179]

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58. Espandar R, Sibdari SY, Rafiee E, et al: Necrotizing fasciitis of the extremities: a prospective study. *Strat Traum Lib Recon* 6: 121, 2011. [PMID: 21863299]
59. Schwartz S, Kightlinger E, DeVirgilio D, et al: Predictors of mortality and limb loss in necrotizing soft tissue infections. *Am Surg* 79: 1102, 2013. [PMID: 24160808]
60. Swain RA, Hatcher JC, Azadian BS, et al: A five-year review of necrotizing fasciitis in a tertiary referral unit. *Ann R Coll Surg Engl* 95: 57, 2013. [PMID: 23317730]
61. Thomas AJ, Keyer TK: Retrospective evaluation of laboratory-based diagnostic tools for cervical necrotizing fasciitis. *Laryngoscope* 122: 2683, 2012. [PMID: 22996752]
62. Oelze L, Wu S, Carnell J: Emergency ultrasonography for the early diagnosis of necrotizing fasciitis: a case series from the ED. *Am J Emerg Med* 31: 632.e5, 2013. [PMID: 23347718]
63. Zacharias N, Velmahos GC, Salama A, et al: Diagnosis of necrotizing soft tissue infections by computed tomography. *Arch Surg* 145: 452, 2010. [PMID: 20479343]
64. Malghem J, Lecouvet FE, Omoumi P, et al: Necrotizing fasciitis: contribution and limitations of diagnostic imaging. *Joint Bone Spine* 80: 146, 2013. [PMID: 23043899]
65. Mora-Montes HM: Special issue "Sporothrix and sporotrichosis." *J Fungi (Basel)* 4: E116, 2018. [PMID: 30321990]
66. Gilbert DN, Moellering RC, Eliopoulos GM, et al: *The Sanford Guide to Antimicrobial Therapy 2018*, 48th ed. Sperryville, VA: Antimicrobial Therapy, Inc.; 2018.