

Perioperative Infections and Fever

(2024-2027)

REFERENCES

1. Moore LJ, Moore FA, Todd Sr, et al. Sepsis in general surgery: the 2005-2007 national surgical quality improvement perspective. *Arch Surg*. 2010;145:695-700
2. Garibaldi RA, Brodine S, Matsumiya S, et al. Evidence for the non-infectious etiology of early postoperative fever. *Infect Control*. 1985;6:273-277.
3. Engoren M. Lack of association between atelectasis and fever. *Chest*. 1995;107:81-84.
4. Roberts J, Barnes W, Pennock M, et al. Diagnostic accuracy of fever as a measure of postoperative pulmonary complications. *Heart Lung*. 1988;17:166-170.
5. O'Grady NP, Barie PS, Bartlett JG, et al. Practice guidelines for evaluating new fever in critically ill adult patients. Task Force of the Society of Critical Care Medicine and the Infectious Diseases Society of America. *Clin Infect Dis*. 1998;26:1042-1059.
6. Mungai M, Tegtmeier G, Chamberland M, Parise M. Transfusion-transmitted malaria in the United States from 1963 through 1999. *N Engl J Med*. 2001;344:1973-1978.
7. 10. Dodd RY. Transmission of parasites by blood transfusion. *Vox Sang*. 1998;74(suppl 2):161-163.
8. McQuiston JH, Childs JE, Chamberland ME, et al. Transmission of tick-borne agents of disease by blood transfusion: a review of known and potential risks in the United States. *Transfusion*. 2000;40:274-284.
9. Baddour LM. Breast cellulitis complicating breast conservation therapy. *J Intern Med*. 1999;245:5-9.
10. Baddour LM, Bisno AL. Recurrent cellulitis after saphenous venectomy for coronary bypass surgery. *Ann Intern Med*. 1982;97:493-496.
11. Dellinger EP. Approach to the patient with postoperative fever. In: Gorbach SL, Bartlett JG, Blacklow NR, eds. *Infectious Diseases*. 3rd ed. Philadelphia, PA: Lippincott Williams and Wilkins; 2004:817.
12. Rudra A, Pal S, Acharjee A. Postoperative fever. *Indian J Crit Care Med*. 2006;10:264-271.
13. Kalil AC, Metersky ML, Klompas M, et al. Management of Adults With Hospital-acquired and Ventilator-associated Pneumonia: 2016 Clinical Practice Guidelines by the Infectious Diseases Society of America and the American Thoracic Society. *Clin Infect Dis*. 2016;63(5):e61-e111.

14. O'Grady NP, Barie PS, Bartlett JG, et al. Guidelines for evaluation of new fever in critically ill adult patients: 2008 update from the American College of Critical Care Medicine and the Infectious Diseases Society of America. *Crit Care Med*. 2008;36:1330- 1349.
15. Torres A, el-Ebiary M. Invasive diagnostic techniques for pneumonia: protected specimen brush, bronchoalveolar lavage, and lung biopsy methods. *Infect Dis Clin North Am*. 1998;12:701-722.
16. Mandell LA, Wunderink RG, Anzueto A, et al. Infectious Diseases Society of America/American Thoracic Society consensus guidelines on the management of community-acquired pneumonia in adults. *Clin Infect Dis*. 2007;44(suppl 2):s27-s72.
17. Saint S, Chenoweth CE. Biofilms and catheter-associated urinary tract infections. *Infect Dis Clin North Am*. 2003;17:411-432.
18. Weinstein JW, Mazon D, Pantelick E, et al. A decade of prevalence surveys in a tertiary-care center: trends in nosocomial infection rates, device utilization, and patient acuity. *Infect Control Hosp Epidemiol*. 1999;20:543-548.
19. Maki DG, Tambyah PA. Engineering out the risk for infection with urinary catheters. *Emerg Infect Dis*. 2001;7:342-347.
20. Johnson JR, Roberts PL, Olsen RJ, et al. Prevention of catheter-associated urinary tract infection with a silver oxide-coated urinary catheter: clinical and microbiologic correlates. *J Infect Dis*. 1990;162:1145-1150.
21. Huth TS, Burke JP, Larsen RA, et al. Randomized trial of meatal care with silver sulfadiazine cream for the prevention of catheter-associated bacteriuria. *J Infect Dis*. 1992;165:14-18.
22. Riley DK, Classen DC, Stevens LE, et al. A large randomized clinical trial of a silver-impregnated urinary catheter: lack of efficacy and staphylococcal superinfection. *Am J Med*. 1995;98:349-356.
23. Stark RP, Maki DG. Bacteriuria in the catheterized patient. What quantitative level of bacteriuria is relevant? *N Engl J Med*. 1984;311:560-564.
24. Platt R, Polk BF, Murdock B, et al. Risk factors for nosocomial urinary tract infection. *Am J Epidemiol*. 1986;124:977-985.
25. Tambyah PA, Maki DG. Catheter-associated urinary tract infection is rarely symptomatic: a prospective study of 1497 catheterized patients. *Arch Intern Med*. 2000;160:678-682.
26. Nicolle LE, Bradley S, Colgan R, et al. Infectious Diseases Society of America guidelines for the diagnosis and treatment of asymptomatic bacteriuria in adults. *Clin Infect Dis*. 2005;40:643-654.
27. Lo E, Nicolle LE, Coffin SE, et al. Strategies to prevent catheter-associated urinary tract infections in acute care hospitals: 2014 update. *Infect Control Hosp Epidemiol*. 2014;35:464-479.
28. Saint S, Kaufman SR, Rogers MA, et al. Condom versus indwelling urinary catheters: a randomized trial. *J Am Geriatr Soc*. 2006;54:1055-1061.
29. Recommendation: Asymptomatic Bacteriuria in Adults: Screening | United States Preventive Services Taskforce. www.uspreventiveservicestaskforce.org.

<https://www.uspreventiveservicestaskforce.org/uspstf/recommendation/asymptomatic-bacteriuria-in-adults-screening>

30. Shapiro J, Hoffmann J, Jersky J. A comparison of suprapubic and transurethral drainage for postoperative urinary retention in general surgical patients. *Acta Chir Scand.* 1982;148:323-327.
31. Safdar N, Maki DG. Risk of catheter-related bloodstream infection with peripherally inserted central venous catheters used in hospitalized patients. *Chest.* 2005;128:489-495.
32. Mermel LA, Farr BM, Sherertz RJ, et al. Guidelines for the management of intravascular catheter-related infections. *Clin Infect Dis.* 2001;32:1249-1272.
33. Almuneef MA, Memish ZA, Balkhy HH, et al. Rate, risk factors and outcomes of catheter-related bloodstream infection in a paediatric intensive care unit in Saudi Arabia. *J Hosp Infect.* 2006;62:207-213.
34. Alonso-Echanove J, Edwards JR, Richards MJ, et al. Effect of nurse staffing and antimicrobial-impregnated central venous catheters on the risk for bloodstream infections in intensive care units. *Infect Control Hosp Epidemiol.* 2003;24:916-925.
35. Lorente L, Henry C, Martin MM, et al. Central venous catheter-related infection in a prospective and observational study of 2,595 catheters. *Crit Care.* 2005;9:R631-635.
36. Ross MN, Haase GM, Poole MA, et al. Comparison of totally implanted reservoirs with external catheters as venous access devices in pediatric oncologic patients. *Surg Gynecol Obstet.* 1988;167:141-144.
37. Mermel LA, McCormick RD, Springman SR, et al. The pathogenesis and epidemiology of catheter-related infection with pulmonary artery Swan-Ganz catheters: a prospective study utilizing molecular subtyping. *Am J Med.* 1991;91:197s-205s.
38. Richet H, Hubert B, Nitemberg G, et al. Prospective multicenter study of vascular catheter-related complications and risk factors for positive central-catheter cultures in intensive care unit patients. *J Clin Microbiol.* 1990;28:2520-2525.
39. Merrer J, De Jonghe B, Golliot F, et al. Complications of femoral and subclavian venous catheterization in critically ill patients: a randomized controlled trial. *JAMA.* 2001;286:700-707.
40. Hamilton HC, Foxcroft DR. Central venous access sites for the prevention of venous thrombosis, stenosis and infection in patients requiring long-term intravenous therapy. *Cochrane Database Syst Rev.* 2007(3):CD004084.
41. Raad II, Hohn DC, Gilbreath BJ, et al. Prevention of central venous catheter-related infections by using maximal sterile barrier precautions during insertion. *Infect Control Hosp Epidemiol.* 1994;15(4, Pt 1):231-238.
42. Falagas ME, Kazantzi MS, Bliziotis IA. Comparison of utility of blood cultures from intravascular catheters and peripheral veins: a systematic review and decision analysis. *J Med Microbiol.* 2008;57(pt 1):1-8.
43. Benezra D, Kiehn TE, Gold JW, et al. Prospective study of infections in indwelling central venous catheters using quantitative blood cultures. *Am J Med.* 1988;85:495-498.

44. Maki DG, Weise CE, Sarafin HW. A semiquantitative culture method for identifying intravenous-catheter-related infection. *N Engl J Med.* 1977;296:1305-1309.
45. Peterson WJ, Maya ID, Carlton D, et al. Treatment of dialysis catheter-related Enterococcus bacteremia with an antibiotic lock: a quality improvement report. *Am J Kidney Dis.* 2009;53:107-111.
46. Kauffman CA. Epidemiology and pathogenesis of candidemia in adults. *UpToDate.* 2011. https://www.uptodate.com/contents/epidemiology-and-pathogenesis-of-candidemia-in-adults?sectionName=Prevalence%20of%20Candida%20species&search=candidemia&topicRef=2430&anchor=H3&source=see_link#H3. Accessed March 19, 2020.
47. Pappas PG, Kauffman CA, Andes D, Benjamin DK Jr, Calandra TF, Edwards JE Jr, Filler SG, Fisher JF, Kullberg BJ, Ostrosky-Zeichner L, Reboli AC, Rex JH, Walsh TJ, Sobel JD; Infectious Diseases Society of America. Clinical practice guidelines for the management of candidiasis: 2009 update by the Infectious Diseases Society of America. *Clin Infect Dis.* 2009 Mar 1;48(5):503-35.
48. Cheadle WG. Current perspectives on antibiotic use in the treatment of surgical infections. *Am J Surg.* 1992 Oct;164(4A Suppl):44S-47S. doi: 10.1016/s0002-9610(06)80057-7. PMID: 1443360.
49. Metlay JP, Waterer GW, Long AC, Anzueto A, Brozek J, Crothers K, Cooley LA, Dean NC, Fine MJ, Flanders SA, Griffin MR, Metersky ML, Musher DM, Restrepo MI, Whitney CG. Diagnosis and Treatment of Adults with Community-acquired Pneumonia. An Official Clinical Practice Guideline of the American Thoracic Society and Infectious Diseases Society of America. *Am J Respir Crit Care Med.* 2019 Oct 1;200(7):e45-e67. doi: 10.1164/rccm.201908-1581ST. PMID: 31573350; PMCID: PMC6812437.
50. Lindsay E Nicolle and others, Clinical Practice Guideline for the Management of Asymptomatic Bacteriuria: 2019 Update by the Infectious Diseases Society of America, *Clinical Infectious Diseases*, Volume 68, Issue 10, 15 May 2019, Pages e83–e110, <https://doi.org/10.1093/cid/ciy1121>
51. Chughtai M, Gwam CU, Mohamed N, Khlopas A, Newman JM, Khan R, Nadhim A, Shaffiy S, Mont MA. The Epidemiology and Risk Factors for Postoperative Pneumonia. *J Clin Med Res.* 2017 Jun;9(6):466-475. doi: 10.14740/jocmr3002w. Epub 2017 Apr 26. PMID: 28496546; PMCID: PMC5412519.
52. National Healthcare Safety Network, Urinary Tract Infection (Catheter-Associated Urinary Tract Infection [CAUTI] and Non-Catheter-Associated Urinary Tract Infection [UTI]) Events. 2024. <https://www.cdc.gov/nhsn/pdfs/pscmanual/7pscCAUTICurrent.pdf>
53. EAU Guidelines. *Edn.* presented at the EAU Annual Congress Paris 2024. ISBN 978-94-92671-23-3.
54. Mermel LA, Allon M, Bouza E, Craven DE, Flynn P, O'Grady NP, Raad II, Rijnders BJ, Sherertz RJ, Warren DK. Clinical practice guidelines for the diagnosis and management of intravascular catheter-related infection: 2009 Update by the Infectious Diseases Society of America. *Clin Infect Dis.* 2009 Jul 1;49(1):1-45. doi: 10.1086/599376. Erratum in: *Clin Infect Dis.* 2010 Apr 1;50(7):1079. Dosage error in article text. Erratum in: *Clin Infect Dis.* 2010 Feb 1;50(3):457. PMID: 19489710; PMCID: PMC4039170. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4039170/table/T4/?report=objectonly>. Accessed on 3/9/2024.

55. Singer M, Deutschman CS, Seymour CW, et al. The Third International Consensus Definitions for Sepsis and Septic Shock (Sepsis-3). JAMA. 2016; 315:801–810
56. Executive Summary 2021: Executive Summary: Surviving Sepsis Campaign: International Guidelines for the Management of Sepsis and Septic Shock 2021. Evans, Laura; Rhodes, Andrew; Alhazzani, Waleed; Critical Care Medicine [49\(11\):p 1974-1982, November 2021](#). DOI: 10.1097/CCM.0000000000005357