

## References:

1. Thomas M, Hollins M. Epidemic of postoperative wound infection associated with ungloved abdominal palpation. *Lancet* 1974;1:1215-1217.
2. Kralj N, Beie M, Hofmann F. Surgical gloves--how well do they protect against infections? *Gesundheitswesen* 1999;61:398-403.
3. Rotter ML. Hand washing and hand disinfection. In: Mayhall CG, editor. Hospital epidemiology and infection control. 2nd ed. Philadelphia PA: Lippincott Williams & Wilkins; 1999. p. 1339-55.
4. Larson EL, Aiello AE, Heilman JM, et al. Comparison of different regimes for surgical hand preparation. *AORN J* 2001;73:412-432.
5. Weight CJ, Lee MC, Palmer JS. Avagard hand antisepsis v. traditional scrub in 3600 pediatric urologic procedures. *Urol* 2010;76:15-17.
6. World Health Organization. WHO guidelines on hand hygiene in health care. First global patient safety challenge: clean care is safer care. Geneva: WHO Press; 2009.
7. Rotter ML. Hand washing, hand disinfection, and skin disinfection. In: Wenzel RP, editor. Prevention and control of nosocomial infections. 3rd ed. Baltimore MD: Williams & Wilkins; 1997. p. 691-709.
8. Parienti JJ, Thibon P, Heller R, et al. Hand-rubbing with an aqueous alcoholic solution vs traditional surgical hand-scrubbing and 30-day surgical site infection rates: a randomized equivalence study. *JAMA* 2002;288:722-727.
9. Marchand R, Theoriat S, Dion D, Pellerin M. Clinical implementation of a scrubless chlorhexidine/ethanol pre-operative surgical hand rub. *Can Oper Room Nurs J* 2008;26:21-31.
10. Hobson DW, Woller W, Anderson L, Guthery E. Development and evaluation of a new alcohol-based surgical hand scrub formulation with persistent antimicrobial characteristics and brushless application. *Am J Infect Control* 1998;26:507-512.
11. Hajipour L, Longstaff L, Cleeve V, Brewster N, Bint D, Henman P. Hand washing rituals in trauma theatre: clean or dirty? *Ann R Coll Surg Engl* 2006; 88:13-15.
12. Herruzo-Cabrera R, Vizcaino-Alcaide MJ, Fdez-Aciñero MJ. Usefulness of an alcohol solution of N-duopropenide for the surgical antisepsis of the hands compared with handwashing with iodine-povidone and chlorhexidine: clinical essay. *J Surg Res* 2000; 94:6-12.
13. Pietsch H. Hand antiseptics: rubs versus scrubs, alcoholic solutions versus alcoholic gels. *J Hosp Infect* 2001;48 Suppl A:S33-6.
14. Chen CF, Han CL, Kan CP, Chen SG, Hung PW. Effect of surgical site infections with waterless and traditional hand scrubbing protocols on bacterial growth. *Am J Infect Control* 2012;40:e15-17.
15. Gupta C, Czubyj AM, Briski LE, Malani AK. Comparison of two alcohol-based surgical scrub solutions with an iodine-based scrub brush for presurgical antiseptic effectiveness in a community hospital. *J Hosp Infect* 2007; 65:65-71.
16. Pereira LJ, Lee GM, Wade KJ. An evaluation of five protocols for surgical handwashing in relation to skin condition and microbial counts. *J Hosp Infect* 1997;36:49-65.
17. Hsieh HF, Chiu HH, Lee FP. Surgical hand scrubs in relation to microbial counts: systematic literature review. *J Adv Nurs* 2006;55:68-78.
18. Bauer AW, Kirby WM, Sherris JC, Turck M. Antibiotic susceptibility testing by a standardized single disk method. *Am J Clin Pathol* 1966;45:493-496.
19. Barry AL, Garcia F, Thrupp LD. An improved single-disk method for testing the antibiotic susceptibility of rapidly-growing pathogens. *Am J Clin Pathol* 1970; 53:149-158.
20. Clinical and Laboratory Standards Institute. Approved standard: M2-A9. Performance standards for antimicrobial disk susceptibility tests, 9th ed. Wayne PA: Clinical and Laboratory Standards Institute; 2006.
21. Faul F, Erdfelder E, Buchner A, Lang AG. Statistical power analyses using G\*Power 3.1: Tests for correlation and regression analyses. *Behavior Research Methods* 2009;41:1149-1160.
22. Lai KW, Foo TL, Low W, Naidu G. Surgical hand antisepsis-a pilot study comparing povidone iodine hand scrub and alcohol-based chlorhexidine gluconate hand rub. *Ann Acad Med Singapore* 2012;41:12-16.
23. Shen NJ, Pan SC, Sheng WH, et al. Comparative antimicrobial efficacy of alcohol-based hand rub and conventional surgical scrub in a medical center. *J Microbiol Immunol Infect* 2015;48:322-328.

24. Darouiche RO, Wall MJ Jr, Itani KM, et al. Chlorhexidine-Alcohol versus Povidone-Iodine for Surgical-Site Antisepsis. *N Engl J Med* 2010;362:18-26.
25. Tuuli MG, Liu J, Stout MJ, et al. A Randomized Trial Comparing Skin Antiseptic Agents at Cesarean Delivery. *N Engl J Med* 2016;374:647-655.
26. World Health Organization. WHO guidelines on hand hygiene in health care. First global patient safety challenged clean care is safer care. Chapter 15: Factors to consider when selecting hand hygiene products. Geneva: WHO Press; 2009.
27. Widmer AF. Surgical hand hygiene: scrub or rub? *J Hosp Infect* 2013;83 Suppl 1:S35-S39.