Resources

Prevention and Reduction of Retained Surgical Items Events

Surgical/invasive procedure events. In: *Adverse Health Events in Minnesota 2012 Public Report*. Minneapolis, MN: Minnesota Department of Health; 2013:11-14. http://www.health.state.mn.us/patientsafety/ae/2013ahereport.pdf. Accessed January 30, 2014.

Agrawal A. Counting matters: lessons from the root cause analysis of a retained surgical item. *Jt Comm J Qual Patient Saf*. 2012;38(12):566-574.

Anderson DE, Watts BV. Application of an engineering problem-solving methodology to address persistent problems in patient safety: a case study on retained surgical sponges after surgery. *J Patient Safety*. 2013;9(3):134-139.

Asiyanbola B, Cheng-Wu C, Lewin JS, Etienne-Cummings R. Modified map-seeking circuit: use of computer-aided detection in locating postoperative retained foreign bodies. *J Surg Res*. 2012;175(2):e47-e52.

Chagolla BA, Gibbs VC, Keats JP, Pelletreau B. A system-wide initiative to prevent retained vaginal sponges. *MCN Am J Matern Child Nurs*. 2011;36(5):312-317.

Chen Q, Rosen AK, Cevasco M, Shin M, Itani KM, Borzecki AM. Detecting patient safety indicators: How valid is "foreign body left during procedure" in the Veterans Health Administration? *J Am Coll Surg.* 2011;212(6):977-983.

Cima RR, Kollengode A, Garnatz J, Storsveen A, Weisbrod C, Deschamps C. Incidence and characteristics of potential and actual retained foreign object events in surgical patients. *J Am Coll Surg*. 2008;207(1):80-87.

Cima RR, Kollengode A, Clark J, et al. Using a data-matrix-coded sponge counting system across a surgical practice: impact after 18 months. *Jt Comm J Qual Patient Saf*. 2011;37(2):51-58.

Cole KM, Viscofsky NA, Ebrahimi M. Finding a needle in the dark (Patient Safety First). *AORN J*. 2013;98(5):532-537.

Coleman JWC. Necessity of a good surgical history: detection of a gossypiboma. *J Nurs Pract*. 2013;9(5):277-282.

Coles G, Fuller B, Nordquist K, Weissenberger S, Anderson L, DuBois B. Three kinds of proactive risk analyses for health care. *Jt Comm J Qual Patient Saf*. 2010;36(8):365-375.

Community: a new resource to improve competence in preventing retained surgical items. *AORN J*. 2011;93(3):C10.

Dhillon JS, Park A. Transmural migration of a retained laparotomy sponge. *Am Surg*. 2002;68(7):603-605.

Edel EM. Surgical count practice variability and the potential for retained surgical items. *AORN J*. 2012;95(2):228-238.

Egorova NN, Moskowitz A, Gelijns A, et al. Managing the prevention of retained surgical instruments: what is the value of counting? *Ann Surg*. 2008;247(1):13-18.

Ellner SJ, Joyner PW. Information technologies and patient safety. Surg Clin North Am. 2012;92(1):79-87.

Higher awareness may lower the odds of retained surgical items. OR Manager. 2013;29(5):18-21.

Flotta D, Rizza P, Bianco A, Pileggi C, Pavia M. Patient safety and medical errors: knowledge, attitudes and behavior among Italian hospital physicians. *Int J Qual Health Care*. 2012;24(3):258-265.

Gawande AA, Studdert DM, Orav EJ, Brennan TA, Zinner MJ. Risk factors for retained instruments and sponges after surgery. *N Engl J Med*. 2003;348(3):229-235

Gibbs VC. Retained surgical items and minimally invasive surgery. World J Surg. 2011;35(7):1532-1539.

Gibbs VC. POLICY NoThing Left Behind[®]: Prevention of Retained Surgical Items Multi-stakeholder Policy. http://www.nothingleftbehind.org/uploads/NoThing_Left_Behind_Policy_v5.pdf. October 2013. Accessed January 30, 2014.

Goldberg JL, Feldman DL. Implementing AORN recommended practices for prevention of retained surgical items. *AORN J*. 2012;95(2):205-219.

Grant-Orser A, Davies P, Singh SS. The lost sponge: patient safety in the operating room. *CMAJ*. 2012;184(11):1275-1278.

Gümüş M, Gümüş H, Kapan M, Onder A, Tekbaş G, Baç B. A serious medicolegal problem after surgery: gossypiboma. *Am J Forensic Med Pathol*. 2012;33(1):54-57.

Hu YY, Greenberg CC. Patient safety in surgical oncology: perspective from the operating room. *Surg Oncol Clin N Am.* 2012;21(3):467-478.

IHI Global Trigger Tool for Measuring Adverse Events. Institute for Healthcare Improvement. http://www.ihi.org/knowledge/Pages/Tools/IHIGlobalTriggerToolforMeasuringAEs.aspx. Accessed January 30, 2014.

Judson TJ, Howell MD, Guglielmi C, Canacari E, Sands K. Miscount incidents: a novel approach to exploring risk factors for unintentionally retained surgical items. *Jt Comm J Qual Patient Saf.* 2013;39(10):468-474.

Kaiser CW, Friedman S, Spurling KP, Slowick T, Kaiser HA. The retained surgical sponge. *Ann Surg*. 1996;224(1):79-84.

Lincourt AE, Harrell A, Cristiano J, Sechrist C, Kercher K, Heniford BT. Retained foreign bodies after surgery. *J Surg Res*. 2007;138(2):170-174.

Magalini S, Sermoneta D, Lodoli C, Vanella S, Di Grezia M, Gui D. The new retained foreign body! Case report and review of the literature on retained foreign bodies in laparoscopic bariatric surgery. *Eur Rev Med Pharmacol Sci.* 2012;16(Suppl 4):129-133.

Mahran MA, Toeima E, Morris EP. The recurring problem of retained swabs and instruments. *Best Pract Res Clin Obstet Gynaecol*. 2013;27(4):489-495.

Moffatt-Bruce SD, Ellison EC, Anderson HL 3rd, et al. Intravascular retained surgical items: a multicenter study of risk factors. *J Surg Res*. 2012;178(1):519-523.

Norton EK, Martin C, Micheli AJ. Patients count on it: an initiative to reduce incorrect counts and prevent retained surgical items. *AORN J.* 2012;95(1):109-121.

Norton EK, Micheli AJ, Gedney J, Felkerson TM. A nurse-led approach to developing and implementing a collaborative count policy. *AORN J.* 2012;95(2):222-227.

Retained surgical items. NoThing Left Behind[®]: A National Surgical Patient-Safety Project to Prevent Retained Surgical Items. http://nothingleftbehind.org/Home_Page.html. Accessed January 30, 2014.

Poore SO, Sillah NM, Mahajan AY, Gutowski KA. Patient safety in the operating room: II. intraoperative and postoperative. *Plast Reconstr Surg*. 2012;130(5):1048-1058.

Recommended practices for prevention of retained surgical items. In: *Perioperative Standards and Recommended Practices*. Denver, CO: AORN, Inc; 2013:305-321.

Reece M, Troeleman ND, McGowan JE, Furuno JP. Reducing the incidence of retained surgical instrument fragments. *AORN J.* 2011;94(3):301-304.

Rowlands A. Risk factors associated with incorrect surgical counts. AORN J. 2012;96(3):272-284.

Rupp CC, Kagarise MJ, Nelson SM, et al. Effectiveness of a radiofrequency detection system as an adjunct to manual counting protocols for tracking surgical sponges: a prospective trial of 2,285 patients. *J Am Coll Surg*. 2012;215(4):524-533.

Statler JD, Miller DL, Dixon RG, et al. Society of interventional radiology position statement: prevention of unintentionally retained foreign bodies during interventional radiology procedures. *J Vasc Interv Radiol.* 2011;22(11):1561-1562.

Stawicki SP, Moffatt-Bruce SD, Ahmed HM, et al. Retained surgical items: a problem yet to be solved. *J Am Coll Surg*. 2013;216(1):15-22.

Steelman VM. Sensitivity of detection of radiofrequency surgical sponges: a prospective, cross-over study. *Am J Surg*. 2011;201(2):233-237.

Steelman VM, Alasagheirin MH. Assessment of radiofrequency device sensitivity for the detection of retained surgical sponges in patients with morbid obesity. *Arch Surg.* 2012;147(10):955-960.

Steelman VM, Cullen JJ. Designing a safer process to prevent retained surgical sponges: a health care failure mode and effect analysis. *AORN J*. 2011;94(2):132-141.

Steelman VM, Graling PR, Perkhounkova Y. Priority patient safety issues identified by perioperative nurses. *AORN J.* 2013;97(4):402-418.

Summary data of sentinel events reviewed by The Joint Commission. The Joint Commission. http://www.jointcommission.org/assets/1/18/2004_4Q_2012_SE_Stats_Summary.pdf. Accessed January 30, 2014.

VA National Center for Patient Safety. United States Department of Veterans Affairs. http://www.patientsafety.va.gov Accessed February 3, 2014.

Whitlock J. The value of active followership. Nurs Manag (Harrow). 2013;20(2):20-23.

Wynia MK, Classen DC. Improving ambulatory patient safety: learning from the last decade, moving ahead in the next. *JAMA*. 2011;306(22):2504-2505.

Zantvoord Y, van der Weiden RM, van Hooff MH. Transmural migration of retained surgical sponges: a systematic review. *Obstet Gynecol Surv.* 2008;63(7):465-471.