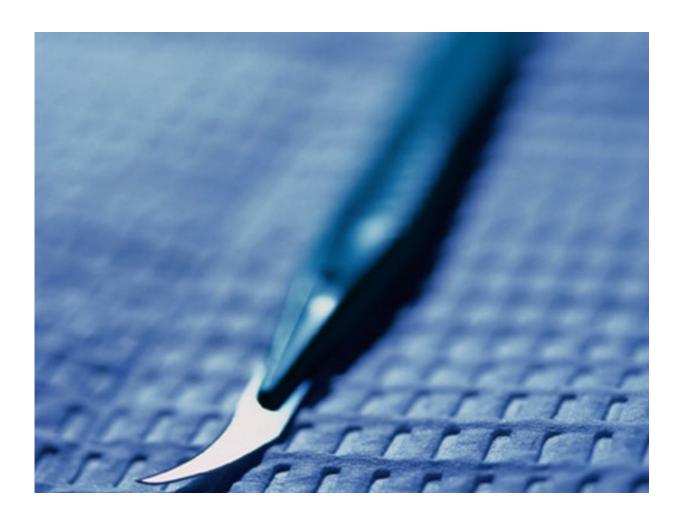


## Bundle of items can reduce SSI rate in colon surgery

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(HealthDay)—Implementation of a bundle of five items can reduce the



surgical site infection (SSI) rate in colon surgery, according to a study published online Feb. 1 in the *Journal of Evaluation in Clinical Practice*.

Fabrizio Bert, M.D., from the University of Turin in Italy, and colleagues conducted an observational study to examine the incidence rate of SSIs in relation to implementation of a bundle for every patient under SSI surveillance from Jan. 1 to Dec. 31, 2012. The bundle included infection risk index calculation, preoperative shower, trichotomy, antibiotic prophylaxis, and body temperature control. During 2012, data were obtained from 3,314 surgical operations from 37 hospitals: 1,992 hip prosthetic surgery (HPRO) cases and 1,322 colon surgery (COLO) cases. The bundle was implemented in 1,114 and 671 HPRO and COLO operations, respectively.

The researchers found that in colon surgery, the bundle was a protective factor for infection risk (odds ratio, 0.55). The main risk factors for infection were American Society of Anesthesiologists score  $\geq 3$  and contamination class  $\geq 3$  (odds ratios, 1.57 and 2.02, respectively). Application of the bundle was not associated with a statistically significant decrease in the risk of <u>infection</u> in hip surgery.

"Systematic implementation of effective preventive interventions can improve the quality of health care and promote appropriate behaviors," the authors write.

**More information:** <u>Full Text (subscription or payment may be required)</u>

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