Seprafilm adhesion barrier (Genzyme Corp.) for prevention of abdominal adhesions after general abdominal surgery

Record Status
This is a bibliographic record of a published health technology assessment. No evaluation of the quality of this assessment has been made for the HTA database.

Citation

Authors' conclusions
Postoperative adhesions after abdominal surgery occur in more than 90% of patients. Although adhesions are often not associated with complications, they may cause sequelae such as small bowel obstruction, chronic abdominal pain, and infertility requiring repeat surgery. Small bowel obstructions are among the most common and most severe complications after abdominal surgery, accounting for 30% to 44% of the abdominal reoperation rate. Small bowel obstruction is a lifetime risk for a patient after abdominal and pelvic surgery, increasing from 9% within the first year after surgery to 19% by 4 years and 35% by 10 years. In the United States, postoperative adhesion procedures resulted in more than 350,000 hospitalizations, nearly 1 million days of inpatient care in 2005, and a cost of $2.3 billion. Basic preventive strategies involve minimizing surgical trauma by using appropriate techniques and instrumentation, opting for the least invasive technique, and avoiding the introduction of foreign materials into the abdominal cavity. A second approach involves the use of systemic and intraperitoneal pharmacological agents such as nonsteroidal antiinflammatory drugs (NSAIDs), anticoagulants, agents targeting the plasmin cascade, and hormones. A third approach involves a number of liquid- and solid-phase agents (membranes, sheets) that primarily act as barriers between two adjacent peritoneal surfaces.

Final publication URL
The report may be purchased from: http://www.hayesinc.com/hayes/crd/?crd=7802

Indexing Status
Subject indexing assigned by CRD

MeSH
Postoperative Complications; Tissue Adhesions; Abdomen

Language Published
English

Country of organisation
United States

English summary
An English language summary is available.

Address for correspondence
HAYES, Inc., 157 S. Broad Street, Suite 200, Lansdale, PA 19446, USA. Tel: 215 855 0615; Fax: 215 855 5218 Email: hayesinfo@hayesinc.com

AccessionNumber
32013000281
Date abstract record published
23/04/2013