

Search strategy

Triclosan, HTA-report 2014:11

Question at issue: Does the use of triclosan coated sutures in fascia and/or skin reduce superficial and deep postoperative surgical site infections (SSI)?

PICO (Patients, Intervention, Comparison, Outcome)

P: Patients for surgery

I: Triclosan coated sutures in fascia and/or skin

C: The same suture material without triclosan in fascia and/or skin

O: Superficial and deep SSI- according to definition- as primary outcome

Inclusion criteria: randomized controlled studies, observational studies, systemic reviews, meta-analyses

Languages: English, Swedish Norwegian, Danish

Literature search

Three medical information specialists performed literature searches in the data bases; PubMed, Cochrane Library, Web of Science and EMBASE.

Altogether 783 articles were identified. Articles that were duplicates did not meet the PICO or other inclusion criteria and were sorted out. Twenty three articles and one metaanalysis remained for assessment by the HTA-group. After the search one relevant study was published and was added.

PubMed, March 2014

Number of results: 337

Search in "All Fields"

(vicryl OR polyglactin OR monocryl OR suture OR sutures OR PDS)

AND

(triclosan OR (2,4,4'-trichloro-2'-hydroxydiphenyl ether) OR Lexol 300 OR Irgasan DP 300 OR (2-Hydroxy-2',4,4'-trichlorodiphenyl Ether) OR antimicrobial OR antibacterial OR antiseptic OR antiinfective OR anti-infective OR antiseptic*)

AND

(surgical site infection OR SSI OR surgical site infections OR surgical wound infection OR surgical wound infections)

Embase, March 2014

Number of results: 332

Search in "Quick Search", also limited to: 'has abstracts'

('Antiinfective agent'/syn OR triclosan/syn)

AND

('suture material'/syn OR (polyglactin/syn OR vicryl) OR (poliglecaprone/syn OR Monocryl) OR (polydioxanone/syn OR PDS)

AND

('Surgical infection'/syn OR 'wound infection'/syn OR SSI)

Web of Science, March 2014

Number of results: 72

Search in "Topic"

(vicryl OR polyglactin OR monocryl OR sutur* OR PDS)

AND

(triclosan OR 2,4,4'-trichloro-2'-hydroxydiphenyl ether OR Irgasan
OR 2-Hydroxy-2',4,4'-trichlorodiphenyl Ether OR antimicrobial OR antibacterial OR
antiinfective OR anti-infective OR antiseptic*)

AND

(surgical site infect* OR SSI OR surgical wound infect*)

Cochrane, March 2014

Number of results: 42

Search in: Title, Abstracts, Keywords

(surgical site infect* OR surgical wound infect*)

AND

sutur*

AND

(triclosan or antimicrobial OR antibacterial OR antiinfective OR anti-infective OR
antiseptic*)

www.ClinicalTrials.gov, March 2014

Number of results: 15

Two studies finished 2013, not yet published. One ongoing study recruiting patients.