The effect of triclosan coated sutures in wound healing. A double blind randomized prospective pilot study.

No registrations found.

Ethical review	Not applicable
Status	Recruitment stopped
Health condition type	-
Study type	Interventional

Summary

ID

NL-OMON26067

Source
NTR

Brief title
N/A

Health condition

Vicryl Plus
coated sutures
Triclosan
wound healing/ wondgenezing

Sponsors and support

Primary sponsor: The university hospital Maastricht, dept Plastic surgery
Source(s) of monetary or material Support: no financial support

Intervention

Outcome measures

Primary outcome

Wound healing: wound dehiscence and complications are registrated.

Secondary outcome

Scar quality:

Colorimetric measurement 1 month after surgery Measurements are performed under standard conditions at 4 fixed test sites.

Subjective scar assessement by patients and one primary observer using the POSAS scale.

Study description

Background summary

Wound infection is a major contributor to postoperative morbidity. One potential cause or co-factor is the use of suture material. A recently introduced subcutaneous suture is coated with triclosan (TC), an antiseptic drug. It is suggested to reduce wound complications and improve scar quality.

Methods:

To investigate the effect of TC on wound healing a double blind prospective study in women undergoing a breast reduction was performed. Each patient was her own control. After randomization the TC coated sutures were used either on the left or right side. The contra lateral side was used as the control. The incidence of dehiscence, postoperative redness and subjective parameters of scar quality were studied.

Study objective

Triclosan coated sutures might have an positive effect on wound healing and thus can improve scar quality.

Study design

N/A

Intervention

Standard suture on control site;

triclosan coated suture on study site.

Contacts

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Eligibility criteria

Inclusion criteria

1. Women between 16 and 65 years of age with bilateral breast size higher than cup DD;

2. Clinical complaints such as intertrigo, head neck and/or shoulder complaints;

3. Undergoing a breast reduction.

Exclusion criteria

1. Patients with:

a. diabetes;

b. skin diseases;

c. history of keloid formation;

d. use of corticosteroids and other immunosuppressive medication;

e. metabolic and/or degenerative diseases.

Study design

Design

Study type:	Interventional
Intervention model:	Parallel
Allocation:	Randomized controlled trial
Masking:	Double blinded (masking used)
Control:	Active

Recruitment

NL

Recruitment status:	Recruitment stopped
Start date (anticipated):	11-07-2006
Enrollment:	26
Type:	Actual

Ethics review

Not applicable

Application type:	Not applicable

Study registrations

Followed up by the following (possibly more current) registration

No registrations found.

Other (possibly less up-to-date) registrations in this register

No registrations found.

In other registers

Register	ID
NTR-new	NL957
NTR-old	NTR983
Other	: N/A
ISRCTN	ISRCTN32724539

Study results