# STEP BY STEP

#### SCAR MANAGEMENT GUIDELINES

STFP 1

#### After wound closure

**Ensure sufficient UV protection (SPF)** 

#### PREVENTIVE MEASURES

- Hydrate skin thoroughly
- Start with silicone therapy (SCARBAN)

Consider taping or pressure therapy

#### LINEAR / WIDESPREAD

6 weeks - 3 months

#### **NORMAL SCAR DEVELOPMENT** Stop after 3 months

#### **EARLY HYPERTROPHY** Continue/intensify

STEP 1

*No surgery without (indications of)* functional limitations

#### STFP 2 KELOID

4 weeks - 6 months

#### NORMALISATION OF SCAR

Continue as long as required

#### **GROWING KELOID** Continue/intensify

STEP 1

- Start pressure therapyStart intralesional
  - corticosteroids

or verapamil

STEP 3

#### After 6 months

**NORMAL SCAR DEVELOPMENT** Stop therapy

#### **CONTINUED HYPERTROPHY**

Continue/intensify

STEP 1 + STEP 2

 Start intralesional corticosteroids

Consider combining with 5-FU

Consider contracture surgery

#### After 12 months

NORMALISATION OF SCAR Continue as long as required

#### **KELOID DOES NOT RESPOND**

Consider surgery in combination with radiotherapy or intralesional cryotherapy

After wound closure

STEP 1

STFP 4

#### After 12 months

#### PERMANENT HYPERTROPHY

Consider scar correction

After wound closure

STEP 1

## **BAPSCAR**CARF Professional scar treatment

#### Disclaimer:

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### SCAR MANAGEMENT GUIDELINES

Perfect scar healing (not raised, neutrally coloured, complaint-free) is not a matter of course. A number of factors increase the risk of abnormal scar formation.

#### Two important factors in scar treatment:

- 1 The patient's aesthetic concerns (e.g. face/throat/chest)
- 2 The risk of abnormal scar development

#### Therefore pay extra attention to risk factors such as:3,4,5

Initial trauma Deeper wounds, irregular wounds, surgical wounds which are not parallel to skin lines.

Wound healing Delayed wound-closing, e.g. as a result of complications such as infections or inflammation.

Localisation Locations with increased risk of tension at wound

edges, e.g. sternum, (upper) back, shoulders and

joints.

Age Scars on children/young adolescents often develop

abnormally as a result of healing (too) quickly.

Skin colour People with a darker skin colour have an

increased risk of developing abnormal scars. This also applies to (red-haired) people with a

light skin colour.

Heredity Genetic factors can play a role in abnormal scar

formation

#### IMPORTANT!

For patients with one (or more) risk factors present, always start, directly after the wound has healed closed, with optimal prevention



Always monitor the development of the scar closely!

- References: 1) Middelkoop E, Monstrey S, Et al. (2011) Scar management practical guidelines. Maca-Cloetens. 1-109.
- Mustoe TA, et al. International Clinical Recommendations on Scar Management. Plastic and reconstructive surgery, 2002. 3) Burd A, Huang L, (2005) Hypertrophic Response and Keloid Diathesis: Two Very Different Forms of Scar. *Plast. Reconstr. Surg. 116(7):150e-157e.*
- History Levins, Theory Theory

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