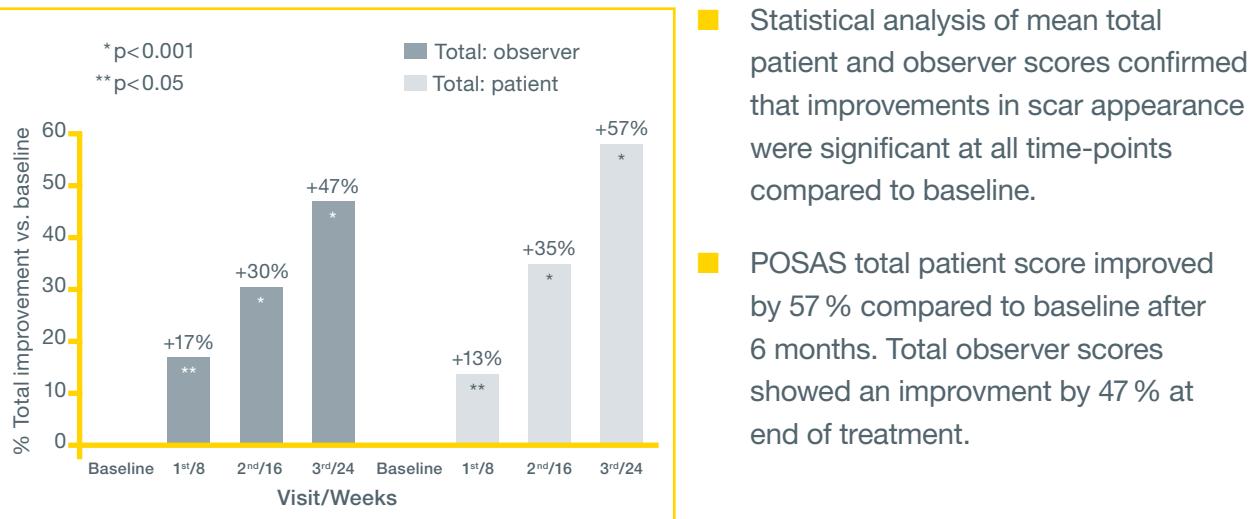
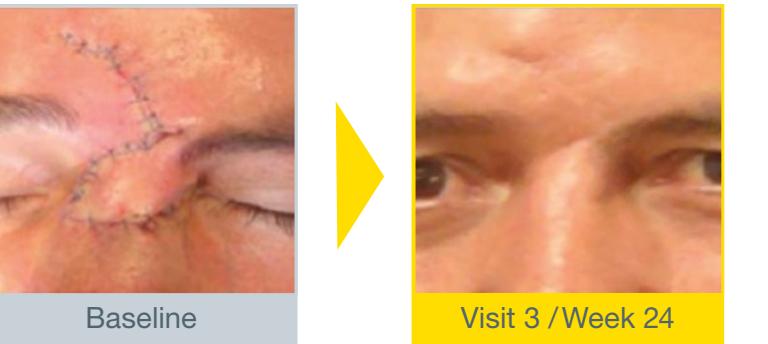


Statistically significant improvement already after 2 months



Visible improvement in scar appearance following treatment with Contractubex® gel



Conclusions

- Early post-surgery treatment with Contractubex® gel is well tolerated and results in a **statistically significant improvement of plastic surgery scar appearance**. The significant improvement is already seen 8 weeks after treatment.
- Overall improvement of POSAS patient scores improvement reveals that **patients are greatly satisfied** with the treatment result. Observer ratings confirm the beneficial effects of early-onset scar treatment with Contractubex® gel.
- The treatment with the topical scar gel Contractubex® gel is **effective in the prevention of excessive scars after plastic surgery**.

Contractubex® scar gel makes the difference

Contractubex® gel works deep inside the skin, and reduces scars thanks to its pharmacologically active ingredients (extractum cepae, heparin and allantoin).

The scar gel with the **triple effect**:

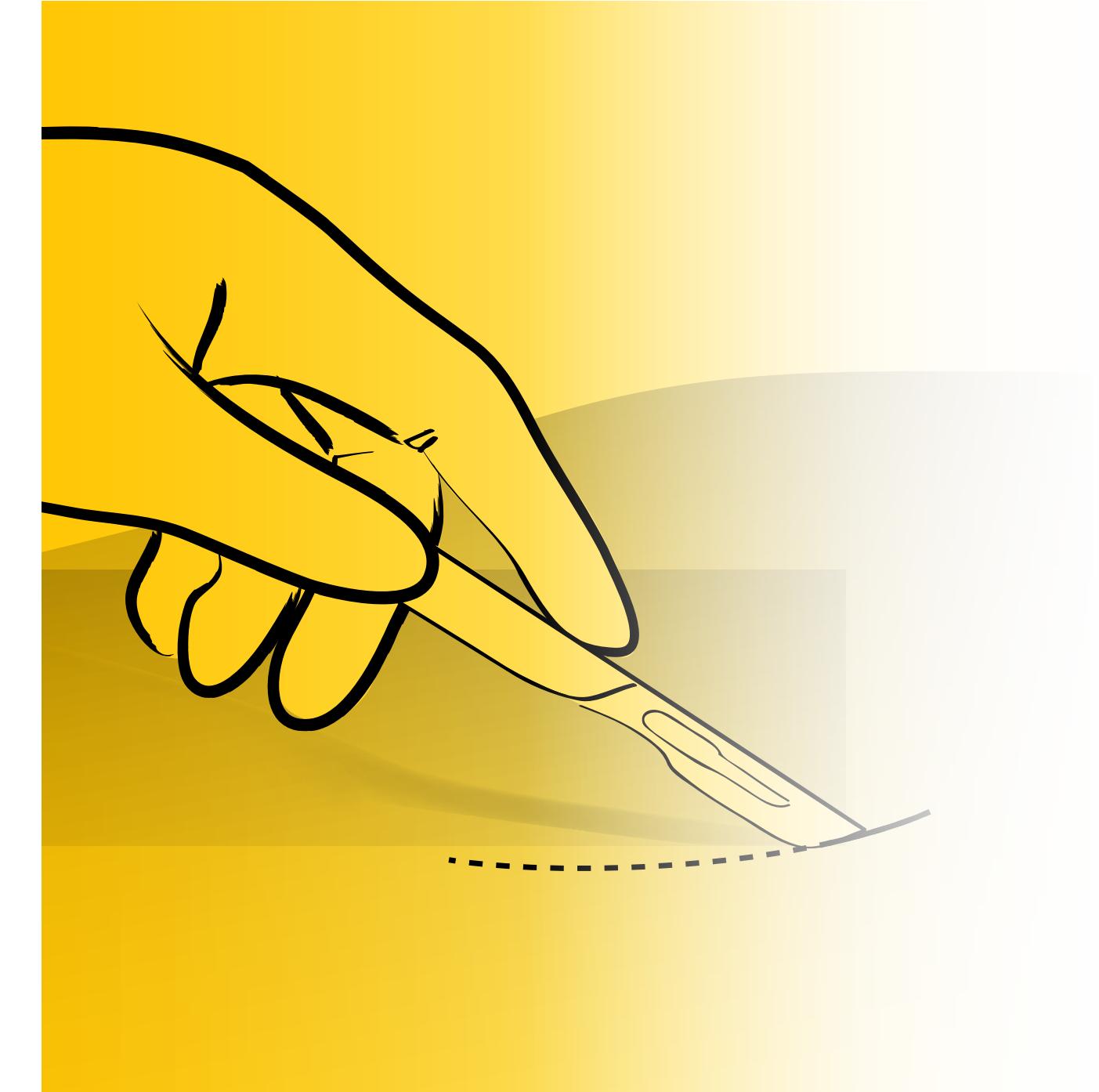
- prevents excessive scar tissue formation⁵
- reduces redness, itching and the feeling of tension^{1,7}
- makes the scar smoother and improves elasticity^{1,6,7}

For best possible results, treatment should be started as soon as the wound is closed or the stitches are removed. **Contractubex® gel – for nearly invisible scars.**

www.contractubex.com



Contractubex®
Treating scars successfully



A prospective, multicenter, observational study shows:

Contractubex® gel is highly efficient in the prevention of excessive scars after plastic surgery

¹ Beuth J et al., In Vivo 2006; 20: 277–284
² Danneberg DJ, Kosmetische Medizin 2007; 3: 24–29
³ Koc E et al., Dermatol Surg 2008; 34: 1–8
⁴ Ho WS et al., Dermatol Surg 2006; 32: 891–896
⁵ Maragakis M et al., Drugs Exp Clin Res 1995; 21: 199–206
⁶ Ocampo-Candiani J et al., submitted for publication (2012)
⁷ Willital GH et al., Kompendium Dermatologie 2007; 3: 16–20

Contractubex®. Composition: 100 g gel contains: 10.0 g Extr. cepae, 5000 IU heparin sodium, 1.0 g allantoin. Indications: hypertrophic and keloidal scars, movement-restricting and cosmetically disfiguring scars after operations, amputations, burns and accidents; contractures such as Dupuytren's contracture and traumatic tendon contractures; cicatricial strictures. Contraindications: Hypersensitivity to parabens. Side effects: Very rare skin reactions. Mode of action: Contractubex® exerts an antiproliferative, antiinflammatory, softening and smoothing action on proliferating scar tissue. Dosage: Unless otherwise prescribed, Contractubex® should be gently massaged into the skin several times a day until all the gel has been absorbed. In the case of hardened old scars it may be necessary to cover the treated area with a dressing overnight. Interactions: None known. Pack size: 20 g, 50 g. Merz Pharmaceuticals GmbH, D-60318 Frankfurt/Main, Germany

Contractubex®



Contractubex®
Treating scars successfully

Prevention of excessive scarring: A main concern of plastic surgery patients

Excessive scarring has a strong impact on **post-operative aesthetic appearance** and is thus of significant concern to surgery patients. Considering the growing volumes of annual plastic surgeries, effective scar treatment is increasingly gaining importance. **Early-onset treatment** may reduce the risk of non-physiological scar formation and enhance the patients' satisfaction with the aesthetic outcome. The **efficacy and tolerability of Contractubex® gel** in excessive scar prevention and treatment has been demonstrated in numerous clinical studies.^{1–5}

The present study investigates the efficacy of Contractubex® gel in preventing excessive scars of plastic surgery origin from both the observer's and the patient's point of view and determines the tolerability profile of Contractubex® gel in a representative adult patient population.

Study design

Authors H. de Jesus Iriarte

Objective To evaluate the efficacy and tolerability of Contractubex® gel in the prevention of excessive scars after plastic surgery

Patients 42 patients (94 % women) aged ≥18 years with scars of plastic surgical origin were included in the final analysis

Design Prospective, multicenter, observational, descriptive clinical study

Treatment with Contractubex® gel started 7 up to 57 days after surgical procedure



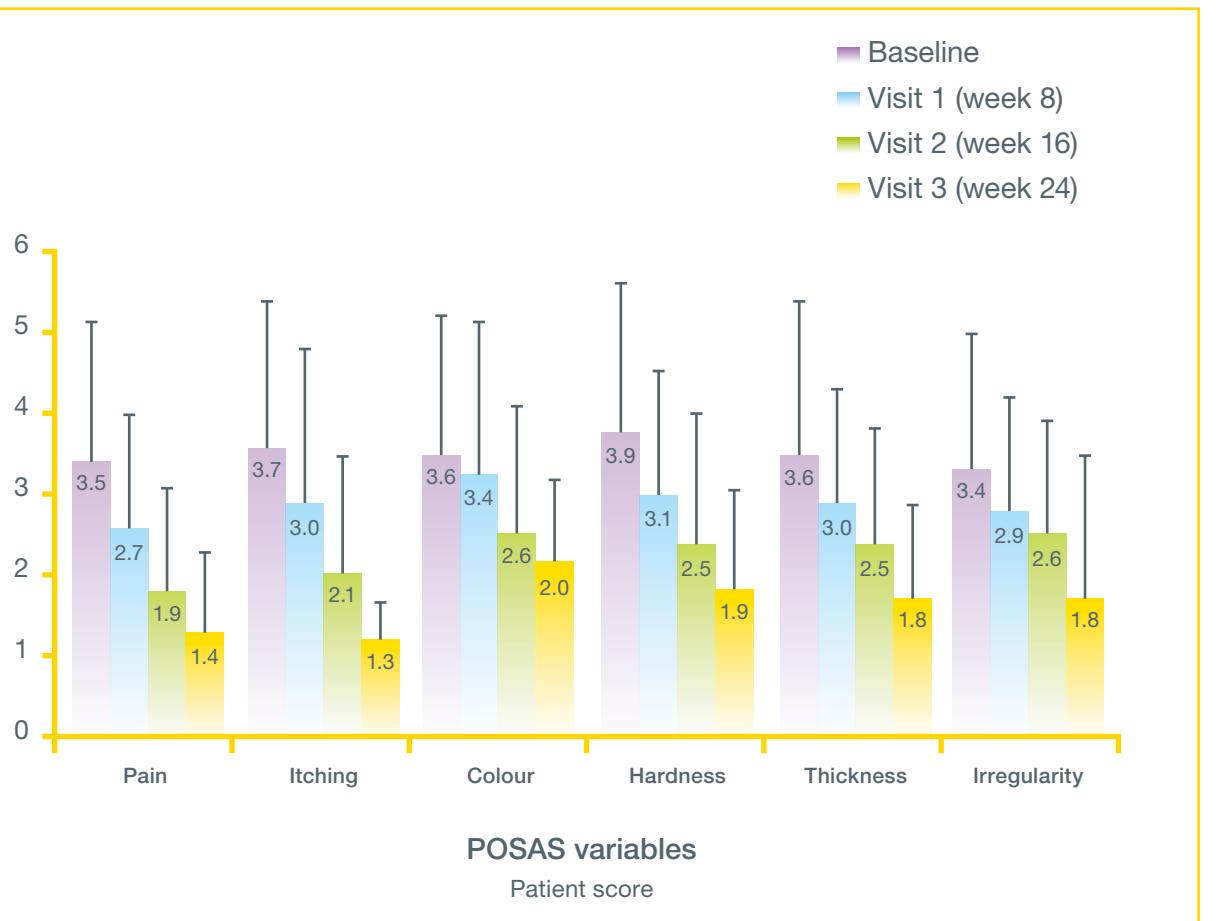
Surgery type Breast augmentation (58%), Abdominoplasty (19%), Facial surgery (15%), Scar revision (2%), others (6%)

Efficacy parameters Change in total and sub-item scores of Patient and Observer Scar Assessment Scale (POSAS), score for each parameter from 1–10

Observer parameters: Vascularization, pigmentation, thickness, relief (height), flexibility of skin

Patient parameters: Pain, itching, colour, hardness, thickness, irregularity

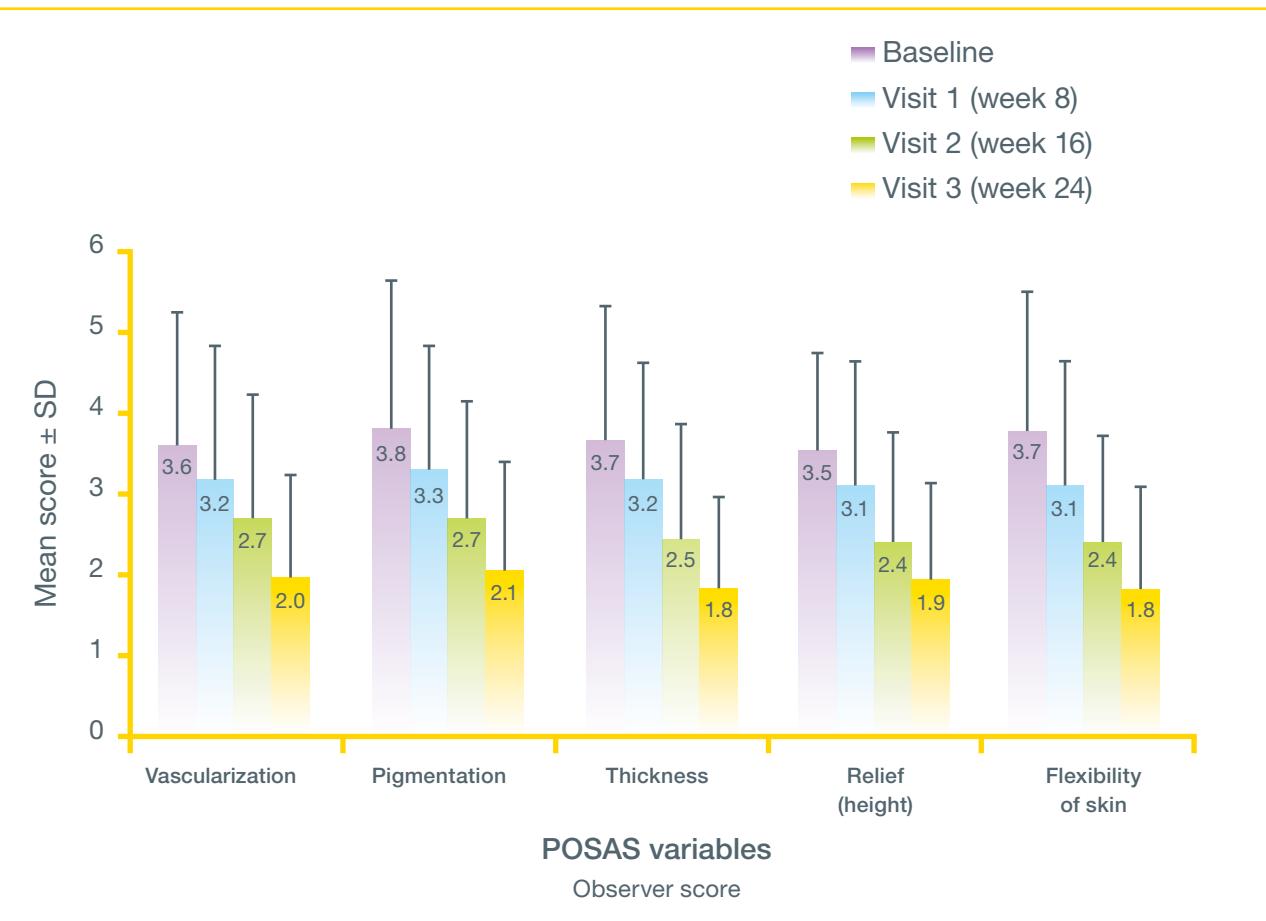
Patient evaluation: Very good improvement of aesthetic and functionality of plastic surgery scars



- An overall improvement of patient-rated scores in the course of the treatment was shown. For each variable (pain, itching, colour, hardness, thickness, and irregularity), the mean score decreased at each time point analyzed.
- The largest reduction was observed for the parameter 'itching'. This sub-item decreased from baseline by 2.4 points after 6 months of treatment. Marked improvements were also seen for the parameter 'pain', which decreased by 2.1 points during the course of treatment.
- For the aesthetically relevant parameter 'colour', the largest reductions in mean scores were seen at months 4 and 6. At the end of treatment, the parameter 'colour' was reduced by 1.6 points.

Patients are greatly satisfied with their Contractubex® gel treatment. Contractubex® gel results in improvement of the scar appearance. Itching and pain were considerably reduced.

Observer evaluation confirms positive patient ratings for early-onset treatment with Contractubex® gel



- Improvement in observer scores confirmed patient evaluation of treatment success. Each tested parameter decreased considerably over time.
- The largest difference to baseline was observed for 'thickness' and 'flexibility' after 6 months of Contractubex® gel treatment. Both variables were reduced by 1.9 points at the end of the study period.
- Observers also assessed a marked score reduction for the aesthetically relevant parameter 'pigmentation'.

Doctors confirm the positive effect of Contractubex® gel on plastic surgery scars. Early-onset treatment results in a very good improvement in scars after plastic surgery.

Contractubex®

Contractubex®

Contractubex®