

# Overnight Intensive Patch for Scar Management

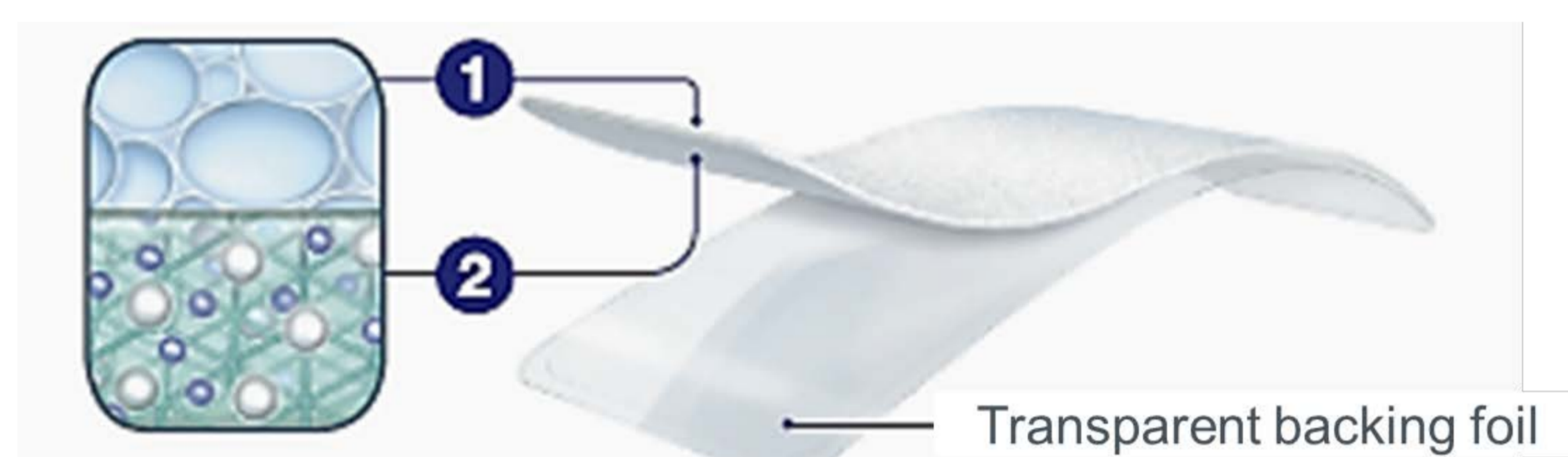
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## Introduction

- A new scar patch (Contractubex® Overnight Intensive Patch) has been developed to further optimize scar treatments with a patient-friendly application form.
- The two-layer composition of the Overnight Intensive Patch allows to protect the sensitive scar area and to release the ingredients Cepalin and Allantoin (Fig. 1). The patch can be cut to fit the size of the scar or patches can be applied side by side for larger scars.

Fig. 1: Two-layer composition and dual mode of action of Contractubex® Overnight Intensive Patch



- Micro-Air-Cushion Seal to reduce trans-epidermal water loss and to protect scar tissue
- Active-Release-Matrix to release Cepalin and Allantoin

## Aim

- The objective of this multicenter evaluation was to gain structured data on effects and tolerability of the Contractubex® Overnight Intensive Patch on management of post-surgery scars in routine clinical practice.

## Methods

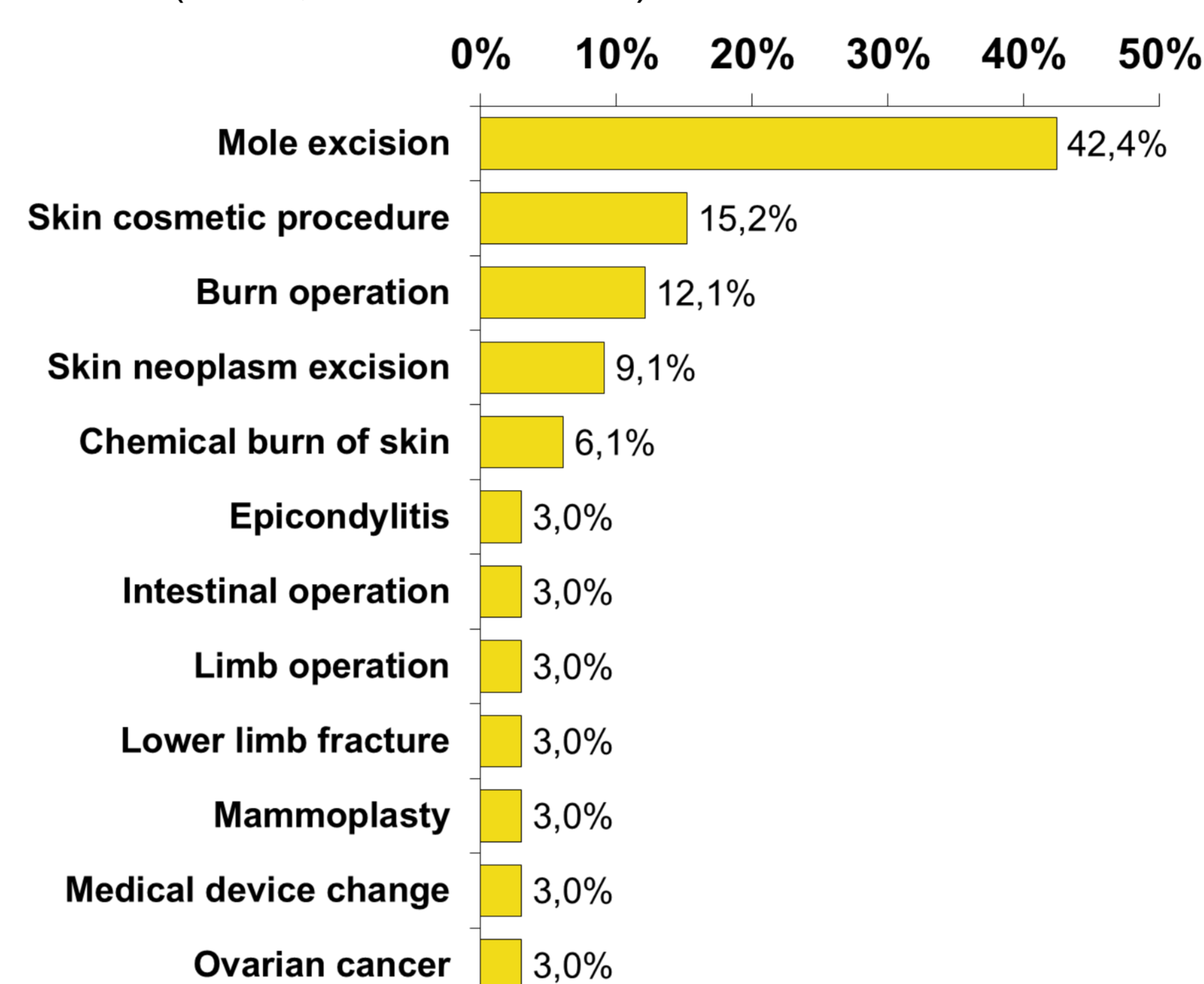
- Prospective, non-interventional, multicenter casuistics in routine clinical practice in Germany.
- Patients were treated in dermatological and surgical practices over a period of 3 months.
- The patch was to be administered according to the usual therapeutic procedure of the attending physicians and the instructions for use.
- Mode of application, characteristics of scars, physician's evaluation on individual patient-centric treatment goals were documented as well as adverse events.
- The statistical analysis was descriptive.

## Results

### Demographic data and characteristics of scars

- Data of 34 patients (61.8% female, mean age 43.8±17 years, 97% Caucasian) enrolled in 12 practices were analyzed.
- For the majority of patients the preceding operation was scheduled, one emergency operation was due to lower limb fracture. (Fig. 2)

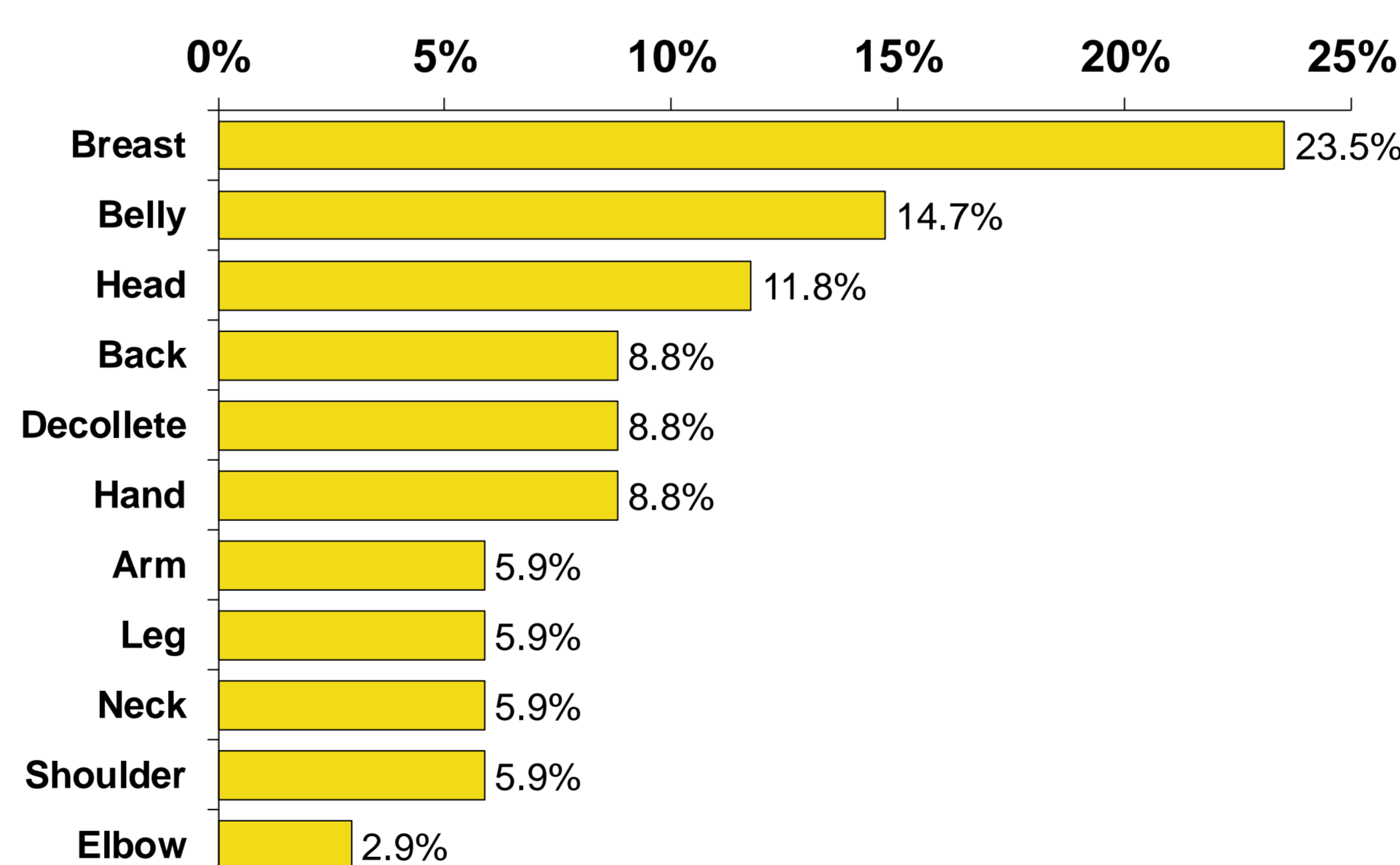
Fig. 2: Reason of preceding operations (n=33, MedDRA 18.1)



- Physicians judged the predisposition for scar types before application of the Overnight Intensive Patch as follows: 90% hypertrophic, 20% atrophic and 40% keloid (n=20).

- Age of scars varied from 5 days up to 7 years, 76.5% of patients had less than 6 months old scars. 81% of scars were <10 cm<sup>2</sup>.

Fig. 3: Localization of scars, (n=34)



### Application Outcomes

- In 85.3% of patients, the application of the Overnight Intensive Patch was a first-line treatment of the scar. 14.7% of patients had individually combined treatment.
- 66.7% of patients applied the patch fitted, 27.3% in the original size. In two patients original size patches were applied together with fitted ones or side by side.
- The Overnight Intensive Patch was applied by 90% of patients for 6-12 hours/night and 74.2% applied the patch for at least 3 months.
- For 93.5% of patients at least two positive treatment outcomes were reported. (Fig.4)

Fig. 4: Application outcomes reported per patient, (n=31)

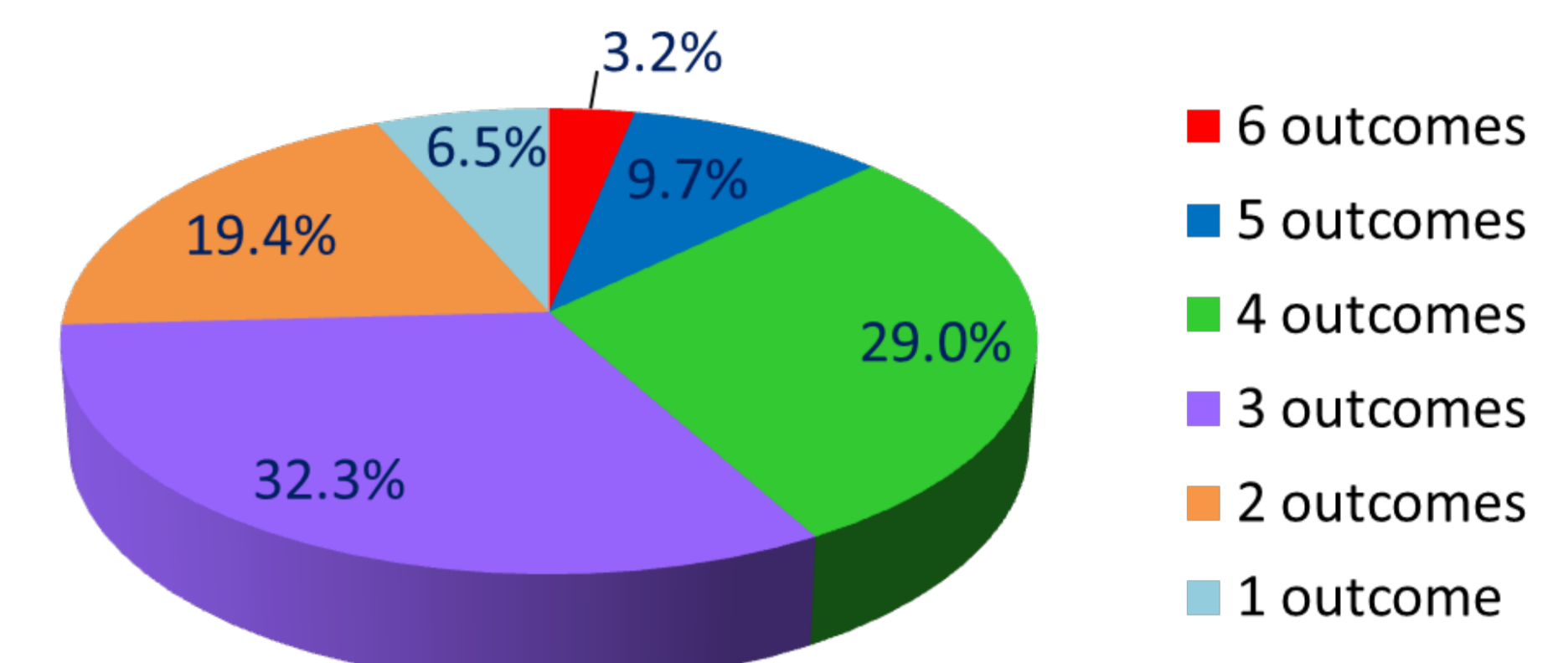


Fig. 5: Assessments of outcomes after application of Overnight Intensive Patch, (n = 31)

Main application outcomes (> 5%)	Frequency %
Planarity better, no/reduced hypertrophy	51.6%
Elasticity better, scar softer	51.6%
Reduced redness, color better	35.5%
Result satisfactory	35.5%
Aesthetic appearance good/better	29.0%
Skin reaction	25.8%
Result very good	25.8%
Itching	9.7%
No change	9.7%
No / less itching	6.5%
No negative characteristics / problems	6.5%
Reduced pigmentation	6.5%

## Tolerability

- In the majority of patients the Overnight Intensive Patch was well tolerated.
- Adverse events (AEs) were reported for six patients, five patients had two AEs and one patient one AE. Reported AEs were application site erythema (n=5), application site eczema (n=3), application site papules, pruritus or keloid scar (n=1, each).

## Conclusion

- Aesthetic appearance of the scars was reported as improved and individual therapeutic goals were successfully reached over 3 months application of 6-12 hours/night.
- Unanticipated adverse events were not observed. AEs were in low frequency and limited to non-serious application site effects.
- The Overnight Intensive Patch with dual mode of action was applied at all type of dermatologic post-surgery scars. The data gained under real-life conditions in physicians'practices suggest that the Overnight Intensive Patch with its ingredients Cepalin and Allantoin is an effective option for management of scars.

### Reference:

Instructions for use Contractubex® Overnight Intensive Patch, Merz Pharmaceuticals, May 2015