

EVALUATION OF ERGONOMIC ASPECTS IN THE DAILY ROUTINE OF A NEW FOAM WITH A WOUND CONTACT LAYER*

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Introduction :

An innovative new foam dressing with a wound contact layer* was developed to prove the ergonomic aspects in the daily routine.

Assessment of the wound base

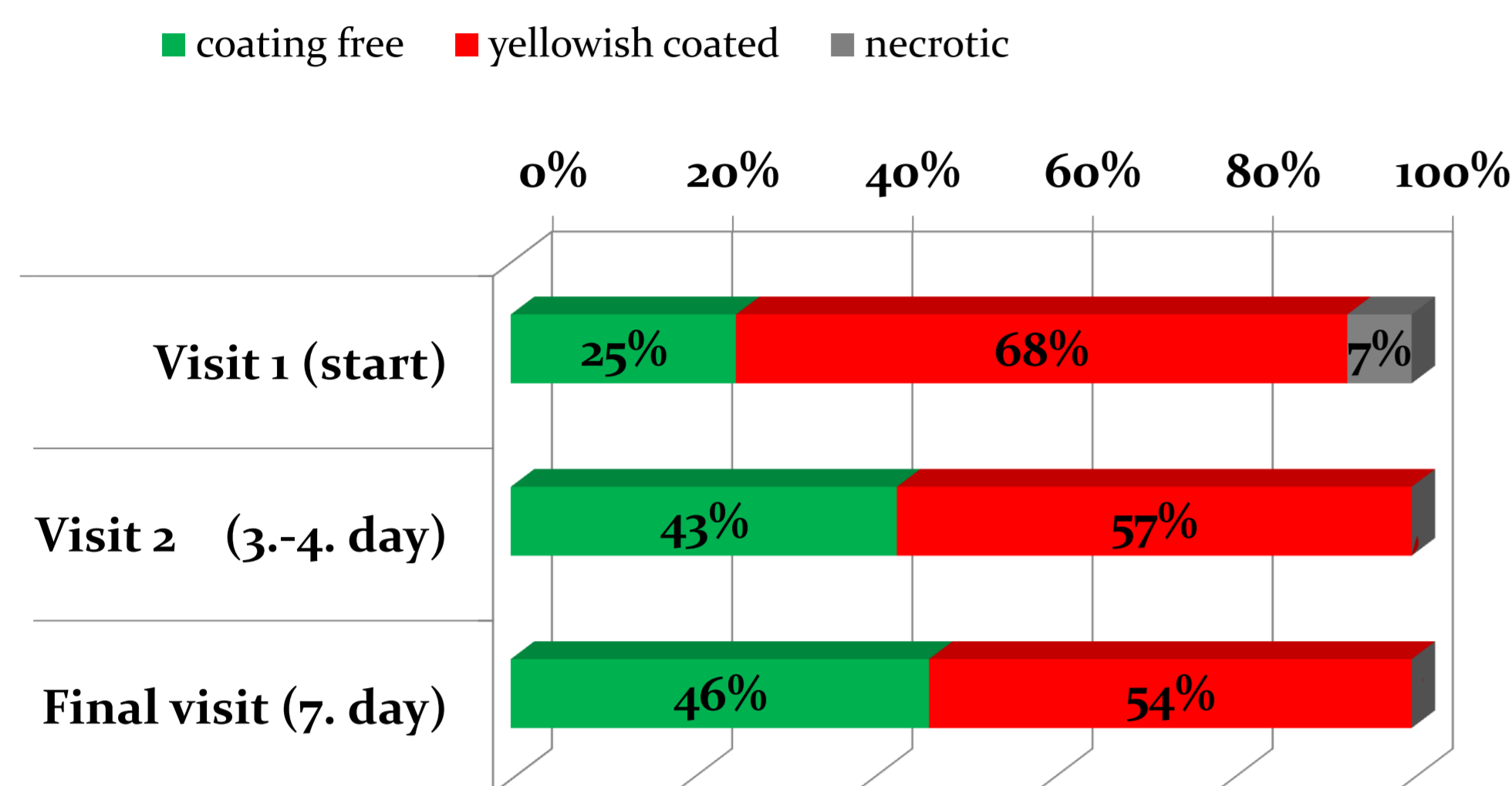


Fig 1: Evaluation of the wound base (n = 28).

Pain score (VAS, 0-10)

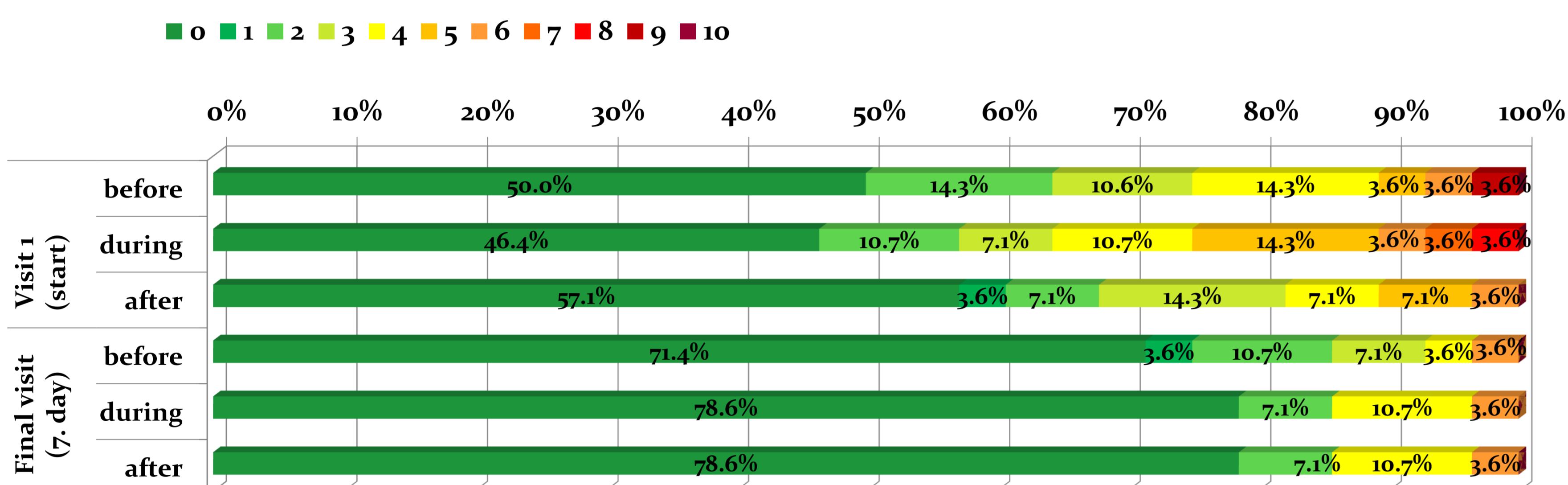


Fig 3: Assessment of the pain score (VAS, 0-10).

Results :

The foam dressing* showed very good results in the assessment of wound base, wound edge and wound surrounding skin. The coating of the wound base decreased from 75% to 54% [Fig 1]. At the wound edges no scaling occurred, hyperkeratosis decreased from 7.1 % to 0%, the redness from 14.3% to 3.6%, inflammations from 3.6% to 0% [Fig 2]. No blistering, dryness or swellings occurred in the wound surrounding skin. Haematoma, inflammation, scaling, macerations and oedema decreased [Fig 6]. The exudation was reduced from middle to weak and no exudation leakage from the foam dressing was observed [data not shown]. Simplicity of application and wearing behaviour were rated with 'excellent' to 'good' [Fig 4 and 5]. A pain reduction (VAS 0-10) from 50% to 28.6% before dressing change, 53.6% to 21.4% during dressing removal and 42.9% to 21.4% after dressing change was observed [Fig 3].

User assessment: Simplicity of application

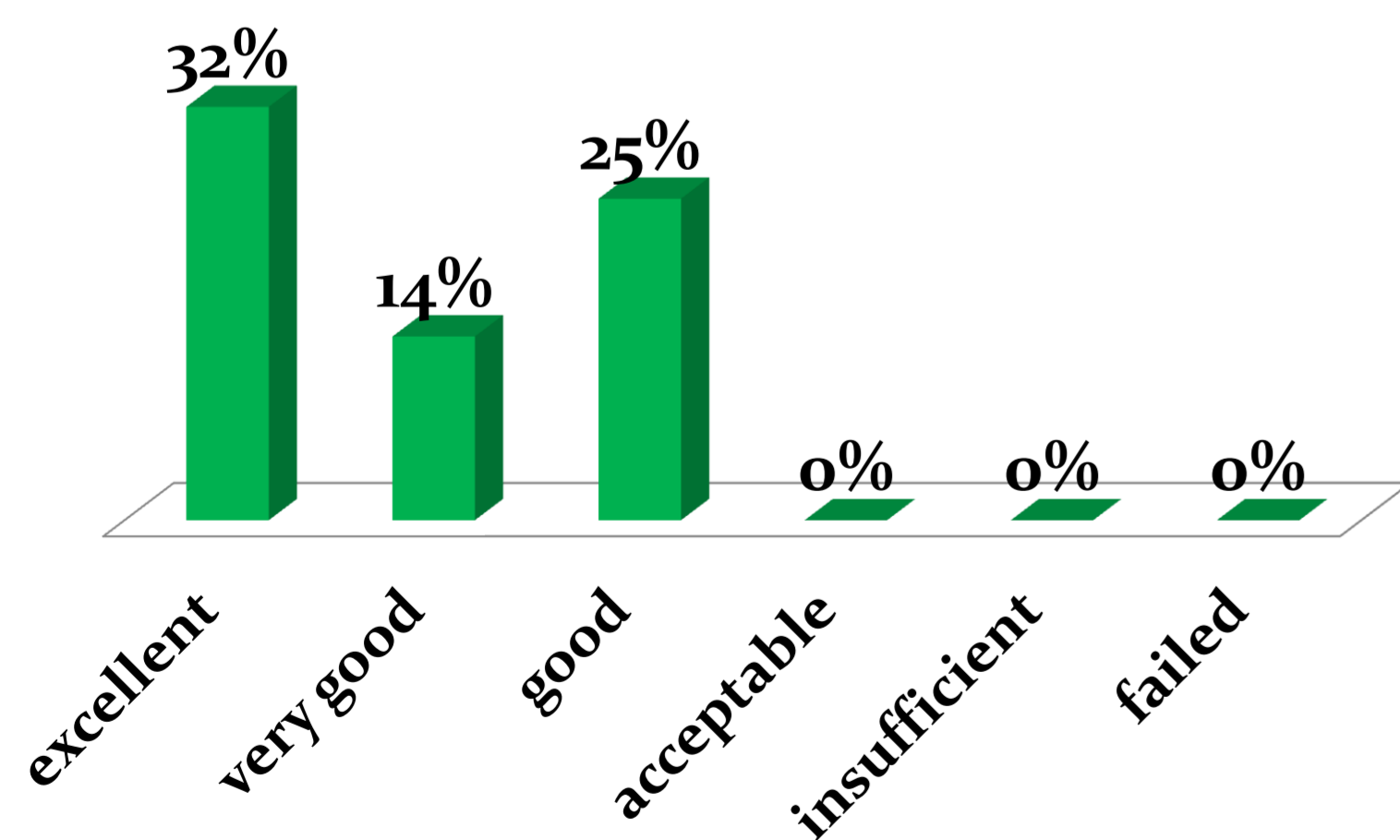


Fig 4: Evaluation by the user with respect to the simplicity of application of the foam dressing.

Question to the patient: Wearing behaviour?

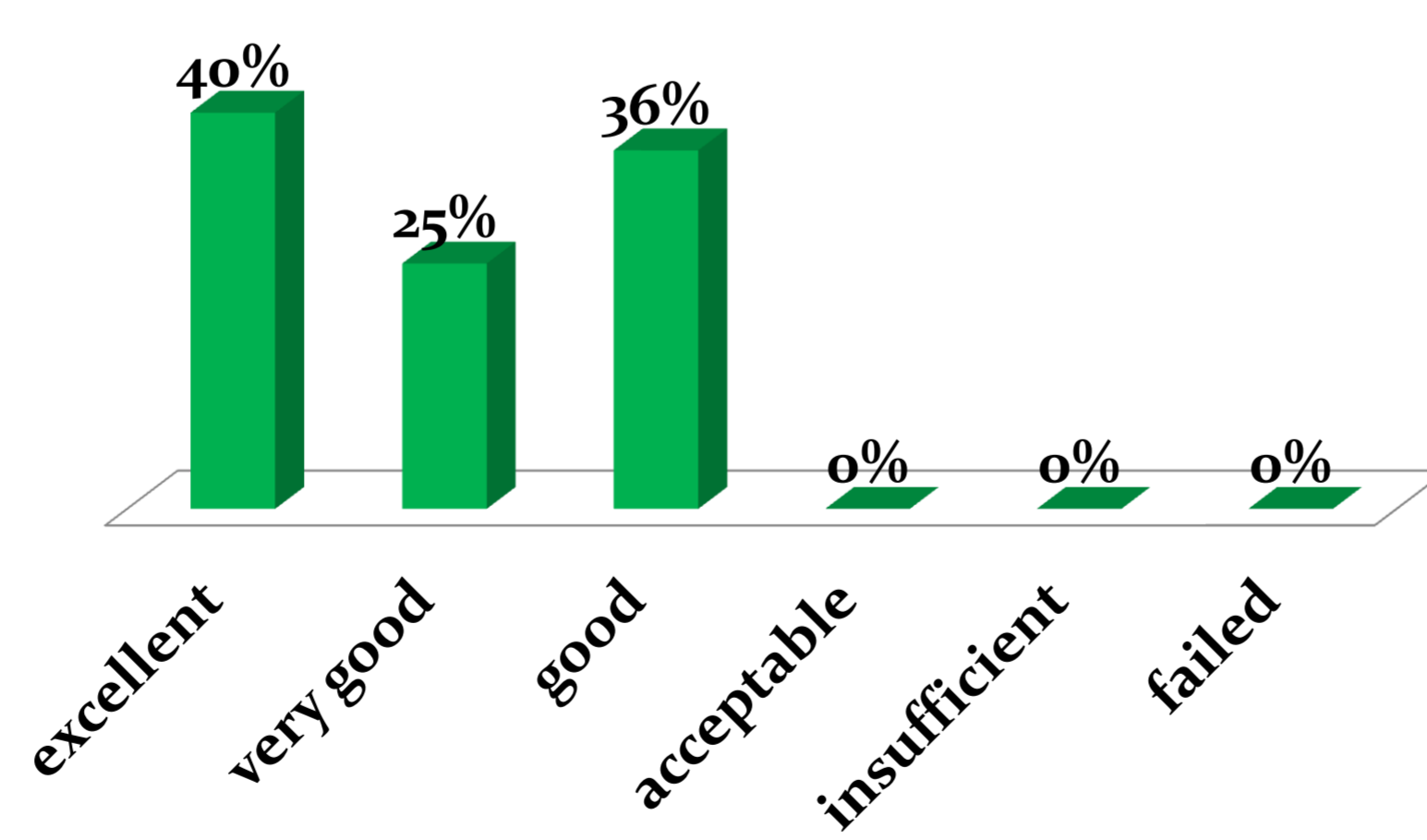


Fig 5: Evaluation by the patient with respect to the wearing behaviour of the foam dressing.

Conclusions :

The foam* is very well tolerable, safe, comfortable and easy to apply. It prevents adhesion to the wound and leads to a pain reduction during dressing change.

Assessment of the wound edge (n = 28; median = 0.0)

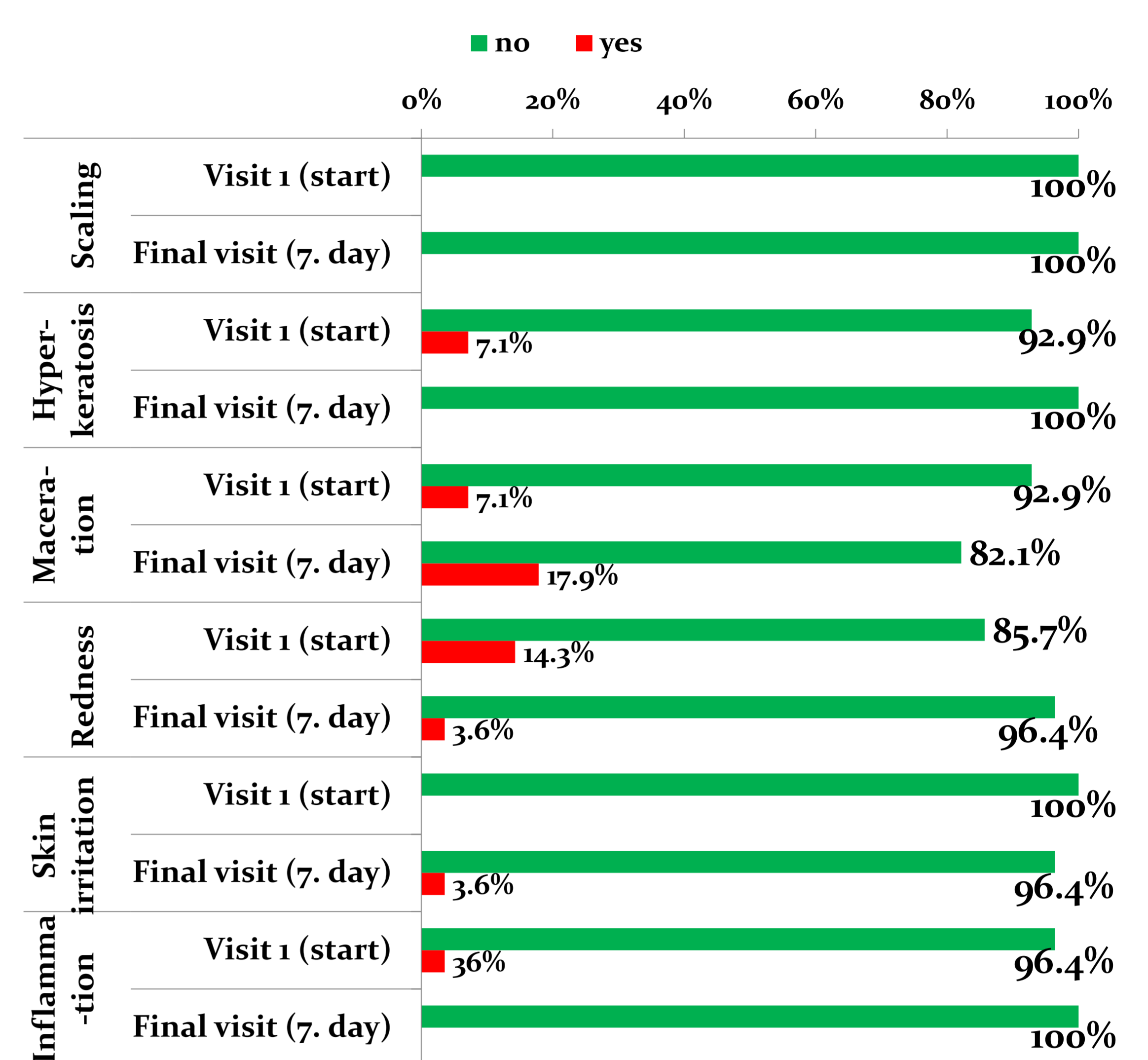


Fig 2: Evaluation of the wound edge (n = 28).

Assessment of the wound surrounding skin (n = 28; median = 0.0)

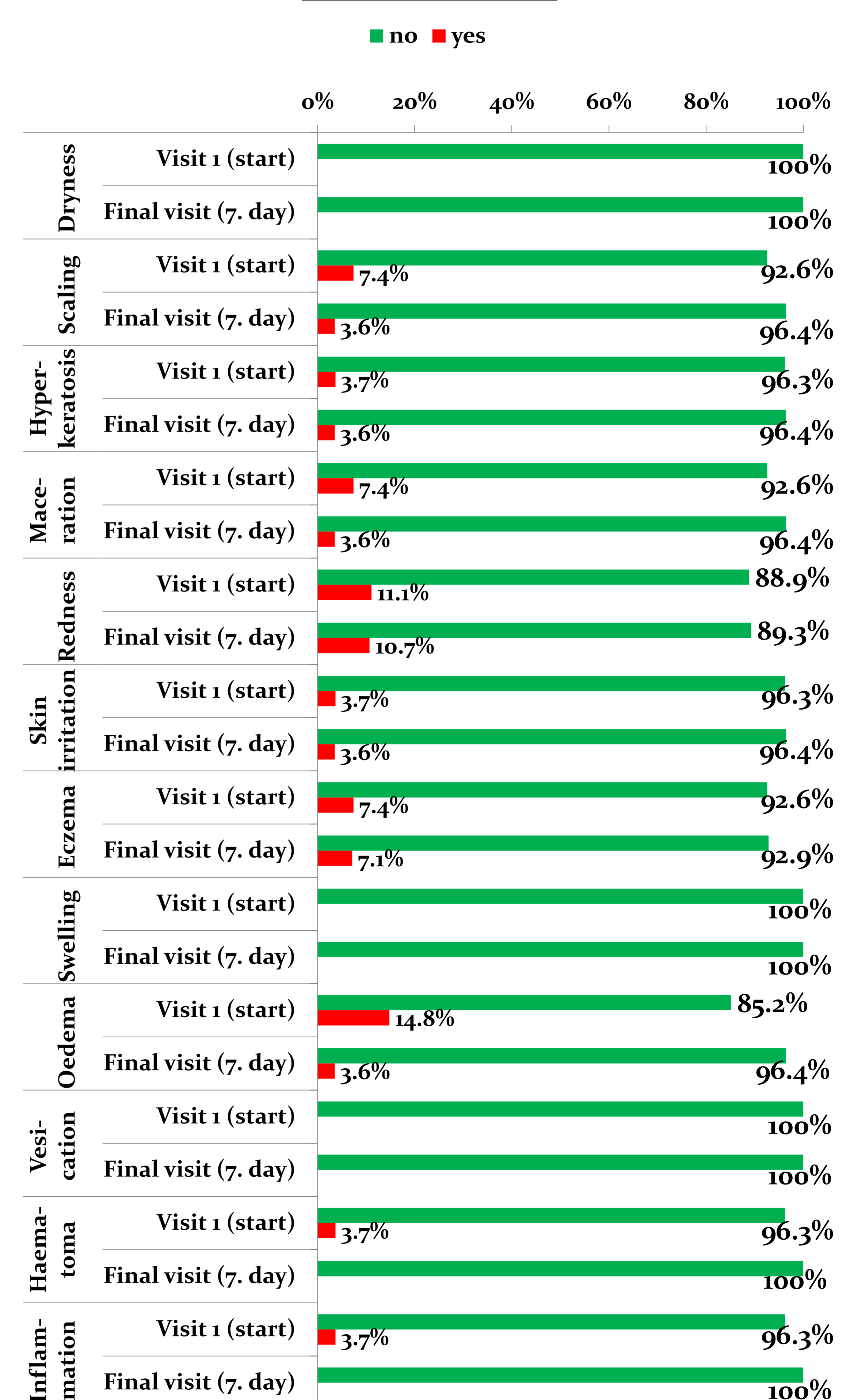


Fig 6: Evaluation of the wound surrounding skin (n = 28).