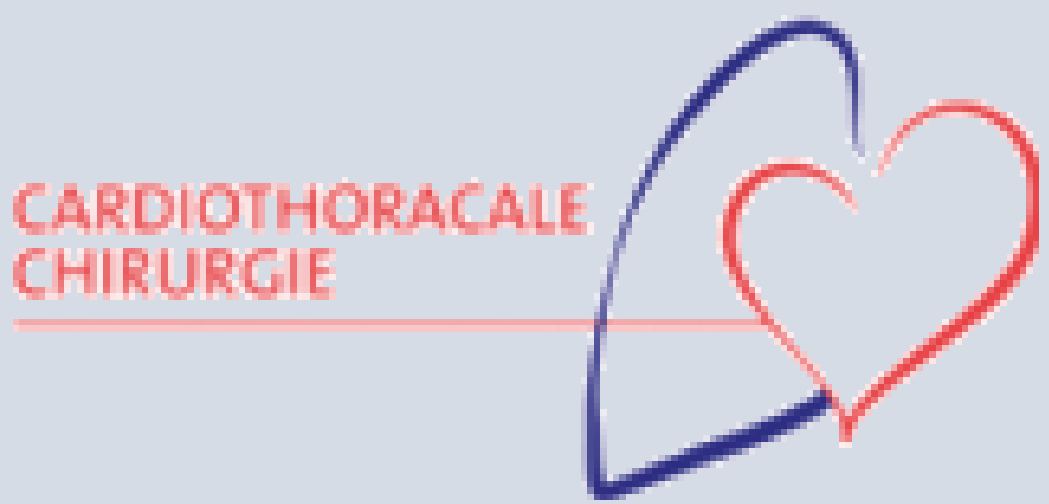


Cosmetic results after totally endoscopic cardiac surgery

Marinus Claesen, Loren Packlé, Jade Claessens, Hanne Oosterbos, Silke Van Genechten, Alaaddin Yilmaz
Jessa Hospital and Hasselt University, Belgium
✉ Marijn.Claesen@jessazh.be



Introduction

As the results of endoscopic cardiac surgery improve, cosmetic implications become more important in the evaluation of these procedures.

Methods

In this single-center prospective study, the cosmetic results of 80 patients who underwent totally endoscopic cardiac surgery between November 2022 and April 2023 were evaluated. The scars were assessed using the SCAR Scale at postoperative day 1, day 14 and day 30.

SCAR Scale

Patient reported

- Pain
- Itch
- Patient satisfaction (0 to 10)

Physician reported

- Scar Spread
- Erythema
- Dyspigmentation
- Suture Marks
- Hyperthrophy/Atrophy
- Overall Impression

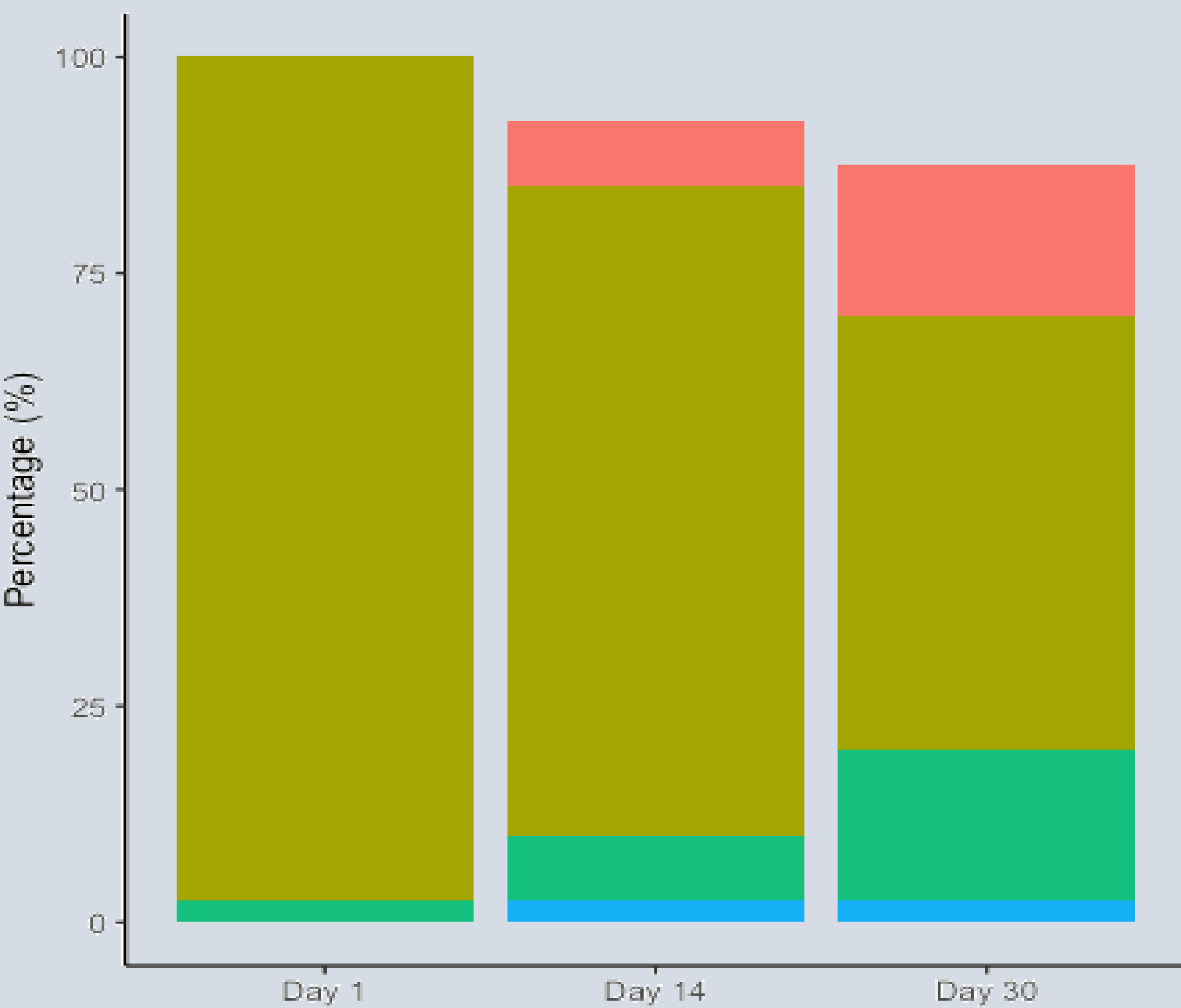
(0 best score, 15 worst score)



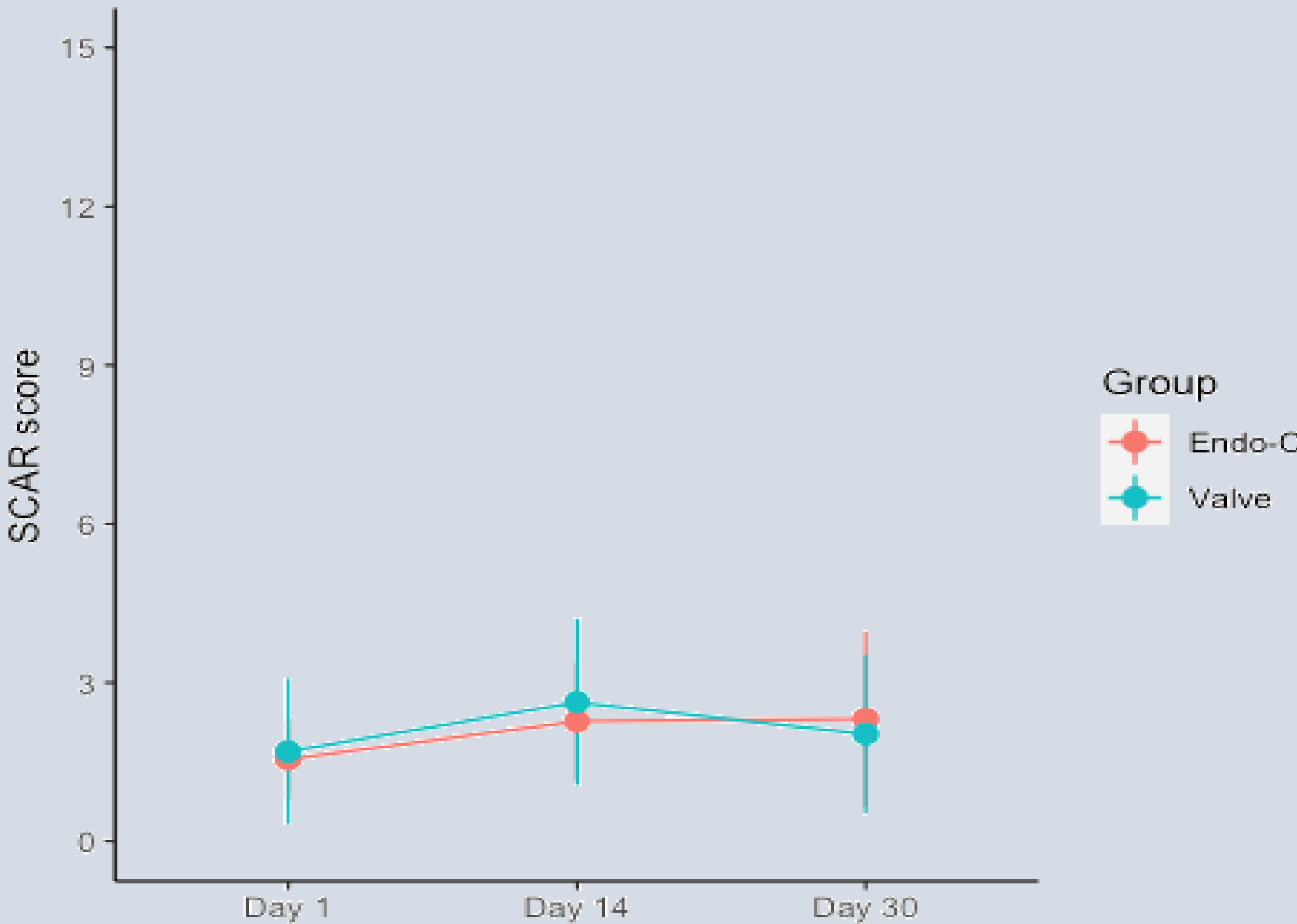
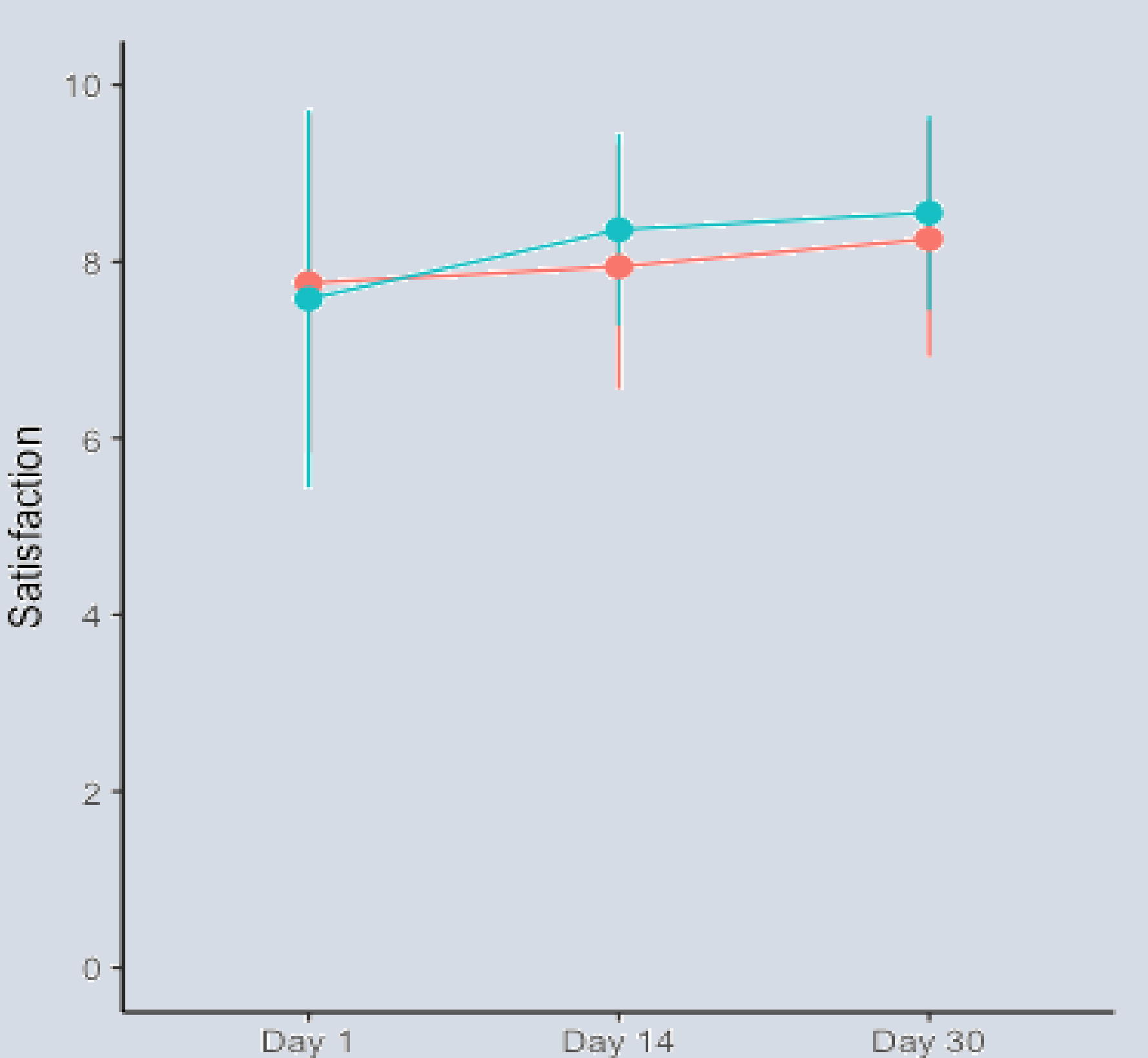
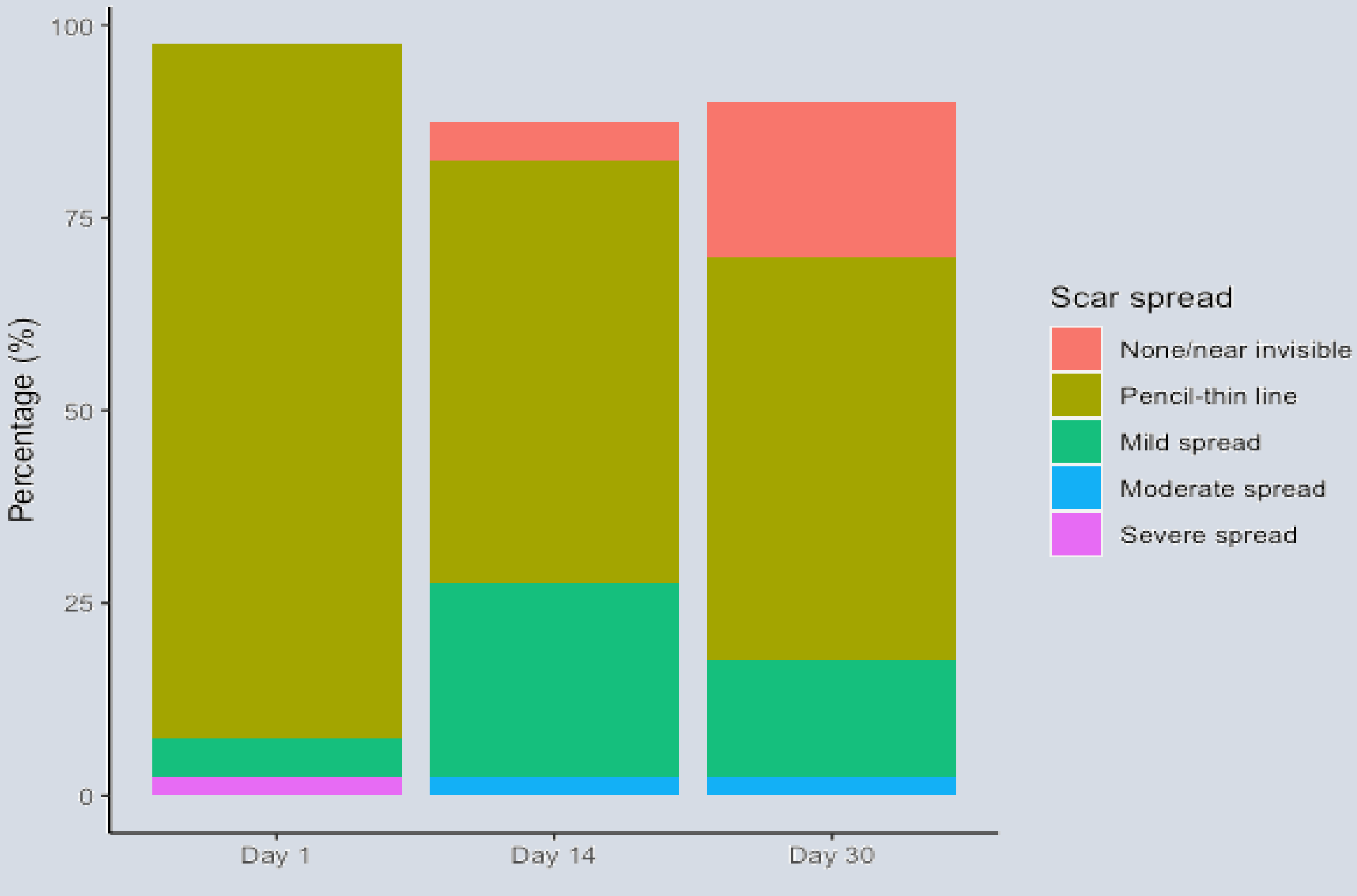
30 days postoperative

Results

Scar spread Endo-CABG



Scar spread valves



Conclusion: Favorable outcomes regarding scar formation with a low SCAR score below three were observed. In general, patients who underwent endoscopic cardiac surgery were satisfied with the cosmetic outcomes. More comparative studies should be performed to gain more knowledge and further improve scar healing .