

PATIENT PERCEPTIONS OF A NEW NON-SURGICAL APPROACH TO ARTERIOVENOUS FISTULA CREATION AND USE FOR HEMODIALYSIS



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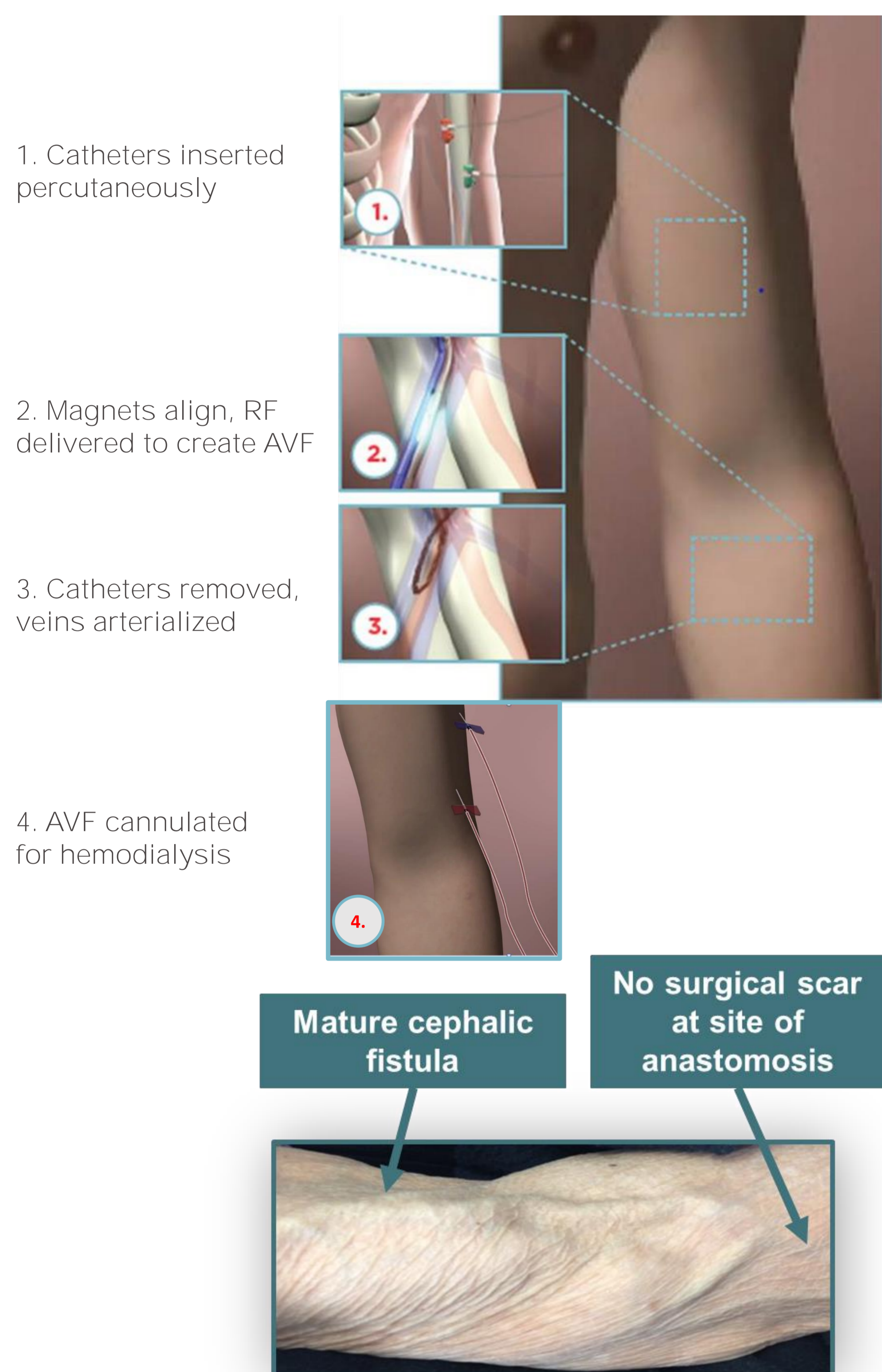
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INTRODUCTION

- The arteriovenous fistula (AVF) is the preferred vascular access for hemodialysis. However patients' fears about surgery and complications often result in refusal or delay of AVF creation.
- A new endovascular method to create an AVF without open surgery has been developed. The endovascular AVF (endoAVF) is created using magnetic catheters and radiofrequency energy (RF).
- A non-surgical approach may address patients' concerns and facilitate AVF fistula creation.



OBJECTIVE

To understand the patient-reported satisfaction and perceptions on quality of life factors associated with the endoAVF

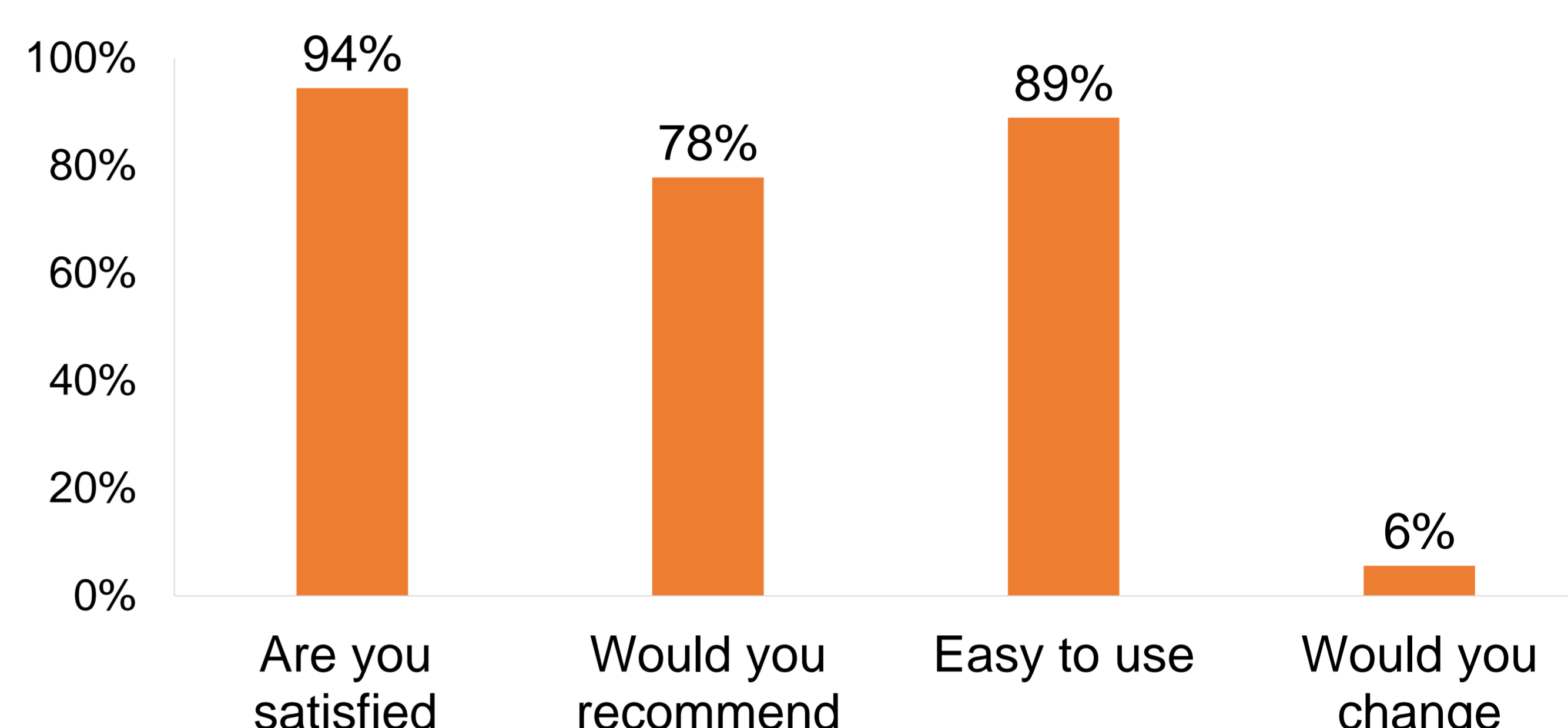
METHODS

- 60 evaluable patients were enrolled in the Novel Endovascular Access Trial (NEAT), a prospective multi-center single arm study conducted in Canada, Australia and New Zealand to evaluate the endovascular AVF created with the everlinQ™ endoAVF System.
- All patients who received dialysis with the endoAVF were asked to complete two self-administered questionnaires, the Vascular Access Questionnaire (VAQ) and the disease-specific KDQOL-SF, at baseline, 6 months, and 12 months.

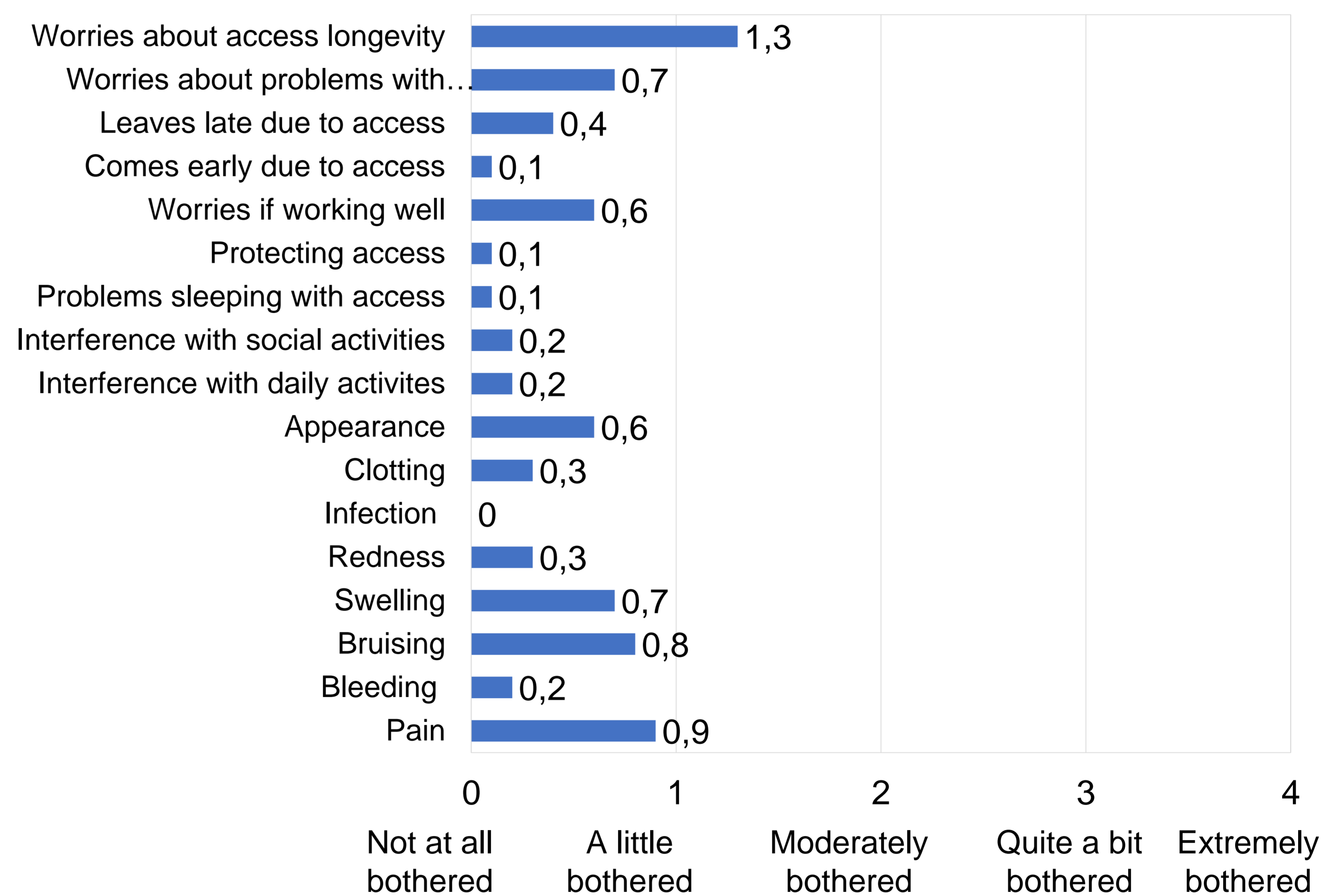
RESULTS

- 98% of endoAVF were successfully created.
- Patient characteristics: 65% were men, mean age 60 years old, mean BMI 28, 65% had diabetes and 57% were pre-dialysis.
- 67% successfully used endoAVF for dialysis with 2-needle cannulation for $\geq 2/3$ of dialysis sessions over 4 weeks
 - Only 12% required an intervention to become functional
- Time to 2-needle cannulation (per protocol)
 - 112 days (dialysis patients); 32 days (pre-dialysis patients)

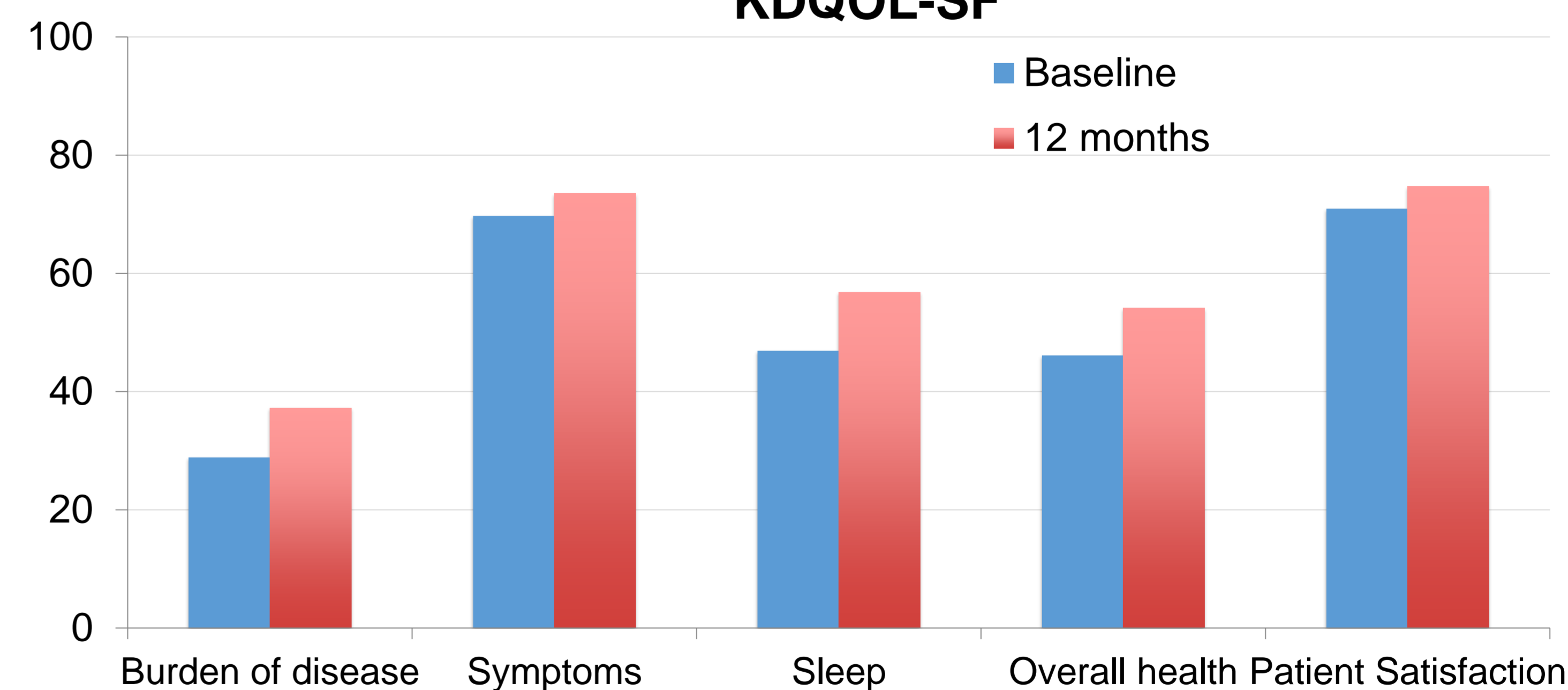
Patient Satisfaction with endoAVF



endoAVF Impact on Factors Affecting Quality of Life



KDQOL-SF



CONCLUSION

Patient-reported perspectives of the non-surgical endoAVF indicate that patients were highly satisfied with the endoAVF and experienced an improvement in important aspects of quality of life.

