

DEVELOPMENT OF A PATIENT-REPORTED OUTCOME INSTRUMENT FOR PATIENTS WITH LUMBAR RADICULAR PAIN

Spine Center of Southern Denmark



C. Ibsen ^{1,2,3}, B. Schiøttz-Christensen ^{3,4}, C. Handberg ^{1,2}, CV. Nielsen ^{1,2}, M. Hørder ⁵, T. Maribo ^{1,2}

¹DEFACTUM, Central Denmark Region, Denmark, ²Department of Public Health, Section of Clinical Social Medicine and Rehabilitation, Aarhus University, ³Spine Centre of Southern Denmark, Hospital Lillebaelt, Middelfart, Denmark, ⁴Department of Regional Health Research, University of Southern Denmark, ⁵Institute of Public Health, Unit for Patient Perspective, University of Southern Denmark

Background

Patient involvement is essential when developing valid Patient Reported Outcome (PRO) instruments (1).

The International Classification of Functioning, Disability and Health (ICF) is proposed to facilitate consistent description and measurement of Low Back Pain related disability (2).

Purpose

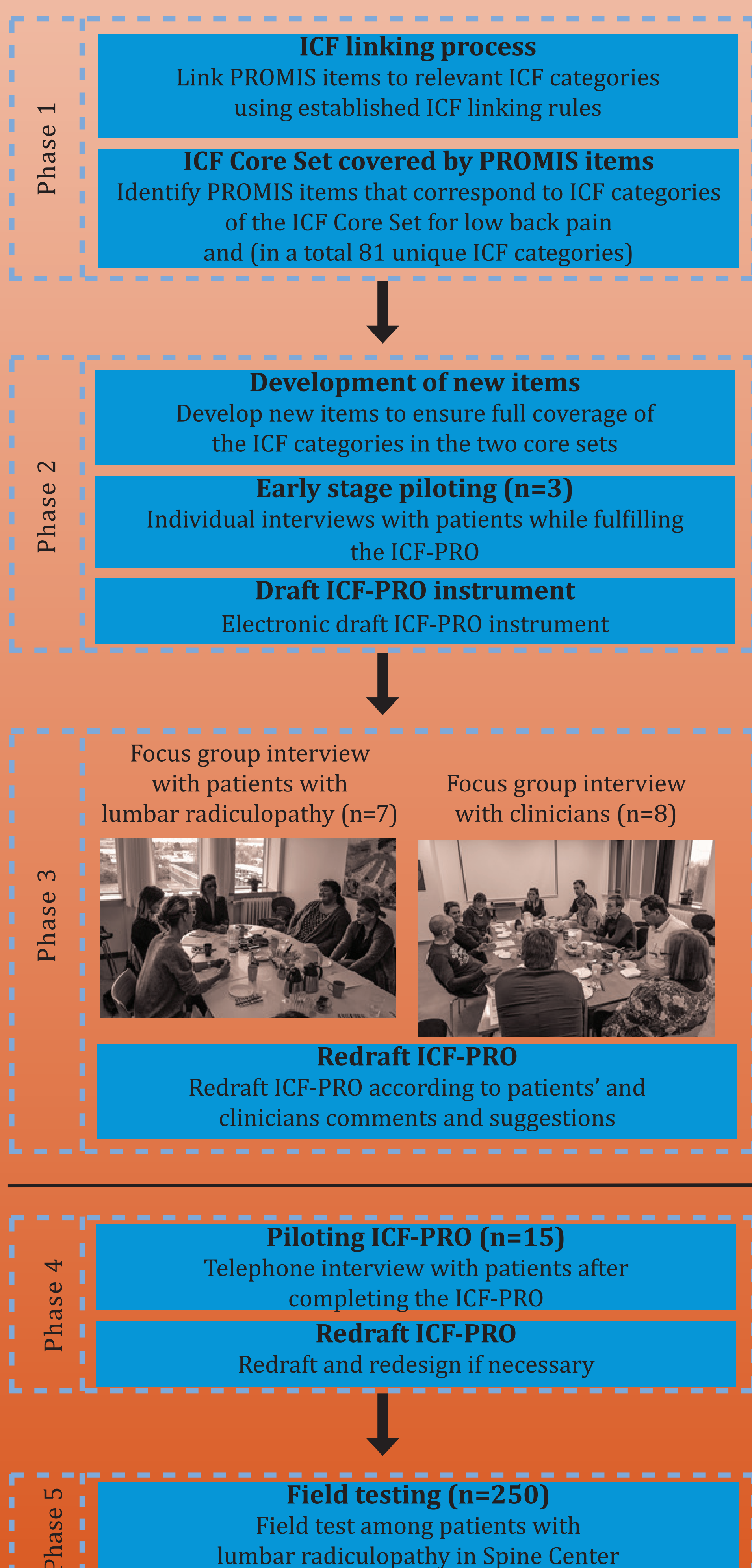
To involve patients with lumbar radicular pain in the development of a PRO instrument based on ICF (ICF-PRO), by exploring patients' perspectives on the instrument's ability to describe functioning and provide information for decision-making.

Methods

The scientific fundament is ICF Core Set for Low Back Pain and ICF Rehabilitation Set. Items in the ICF-PRO are developed within methods and terminology of The Patient-Reported Outcomes Measurement Information System (PROMIS®).

The development process contains five phases (figure 1).

Figure 1. Development process

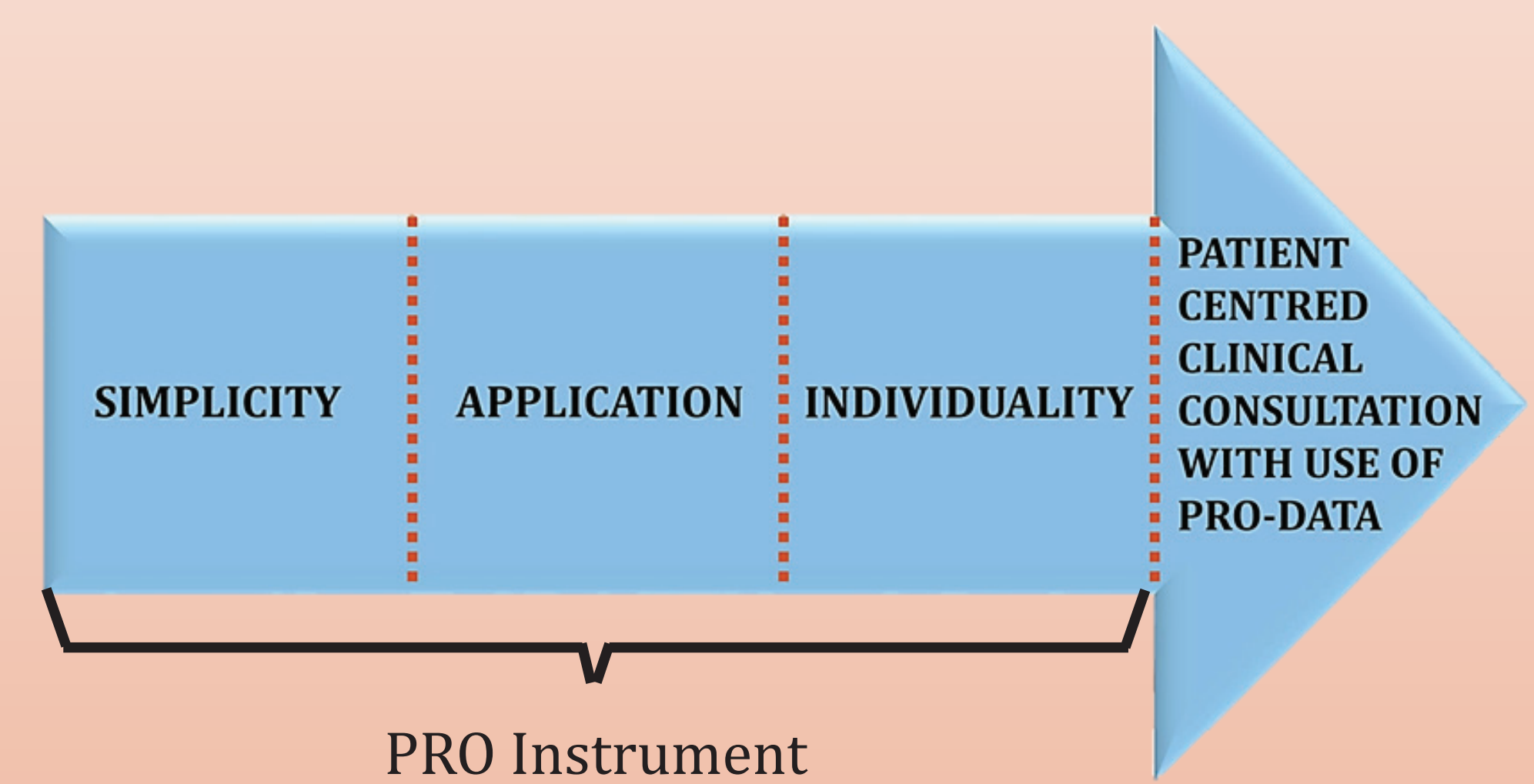


Results

This poster presents preliminary results from phase 1-3. 89% of the PROMIS items were linked to ICF. PROMIS items covered 34% of the two core sets, resulting in development of 44 new items.

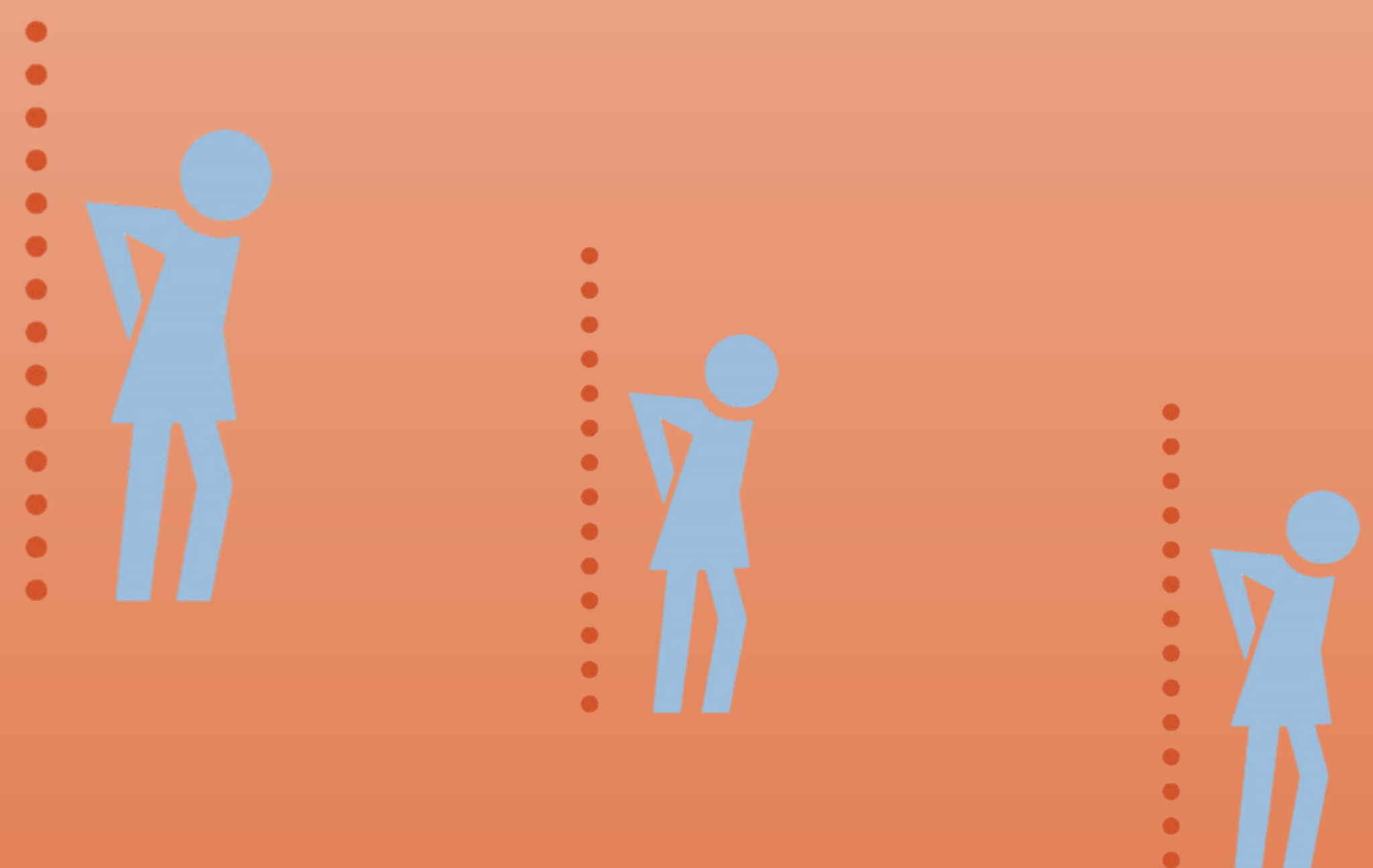
The ICF-PRO sufficiently reflected how the patients' everyday life was affected by lumbar radicular pain. The focus group interviews identified three themes representing elements of most importance for the patients (figure 2).

Figure 2. Patients' perspectives on the development and application of a PRO instrument in clinical practice.



Conclusions

'Simplicity', 'Application' and 'Individuality' was essential to patients to lead towards a patient centered consultation. Next step in the development process is piloting (n=15) before testing in clinical practice among patients with lumbar radicular pain (n=250).



References

1. Wiering B et al. Patient involvement in the development of patient-reported outcome measures: a scoping review. *Health Expect* 2017 Feb; 20(1):11-23.
2. World Health Organization. International Classification of Functioning, Disability and Health (ICF). Geneva: WHO; 2001.

Acknowledgements

The study is approved by the Danish Data Protection Agency (J.no. 1-16-02-477-16). We are grateful to patients and clinicians for their contributions and the Spine Centre of Southern Denmark, Hospital Lillebaelt, Denmark for hosting the study. DEFACTUM, Central Denmark Region, Spine Center of Southern Denmark, Aarhus University, Danish Health Authority, and The Danish Rheumatism Association are thanked for funding.

Contact details

Charlotte Ibsen - charlotte.ibsen@stab.rm.dk