Definitions of segmental instability in the degenerative lumbar spine – a systematic review

Signe Forbech Elmose¹, Gustav Oesterheden Andersen¹, Leah Yacat Carreon¹, Freyr Gauti Sigmundsson², Mikkel Oesterheden Andersen¹

Center for Spine Surgery and Research, Spine Center of Southern Denmark, Lillebaelt Hospital, Middelfart¹; Department of Orthopaedic surgery, Örebro University Hospital²



Title Abstr

Included

characteristics

Study

Lumbar degenerative spondylolisthesis (LDS) and spinal stenosis (LSS)

Dynamic component of **INSTABILITY**







No consensus on definiton of segmental instability

Aim

To collect and group definitions of segmental instability in the degenerative lumbar spine

Full-te

69%

Surgical

studies

intervention

n=4505

31%

Radiologic

studies

N = 118

n=501

Methods

PRISMA







Title **Abstract**





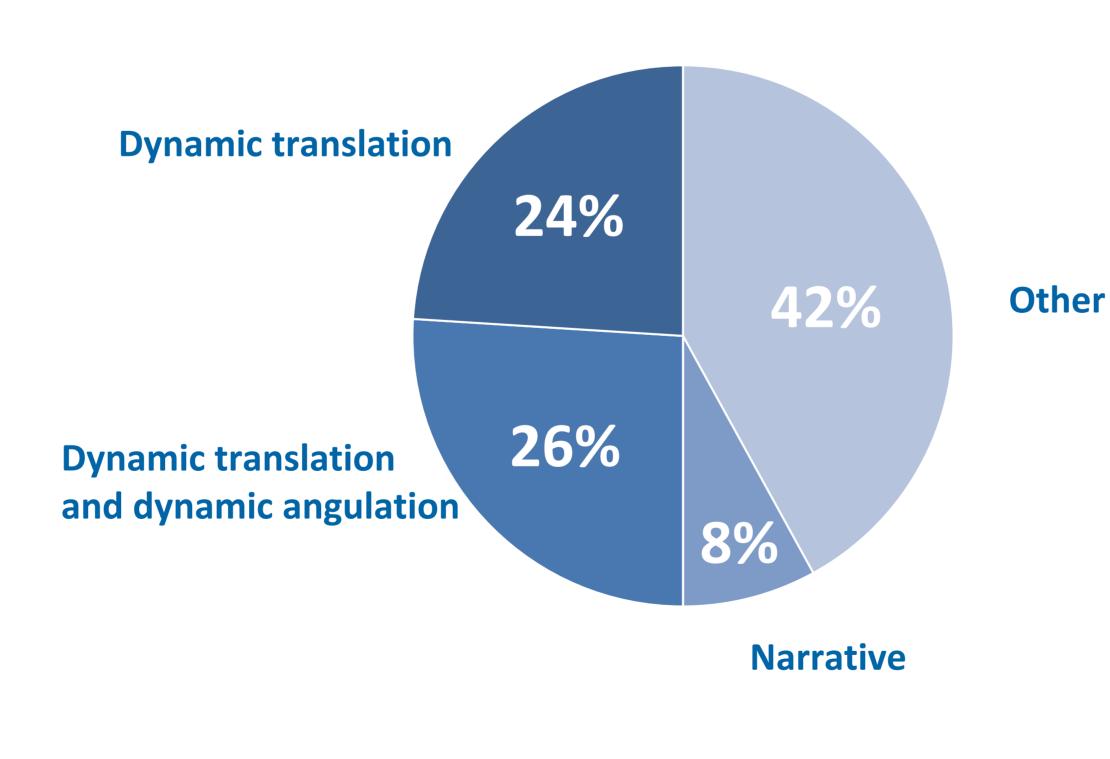




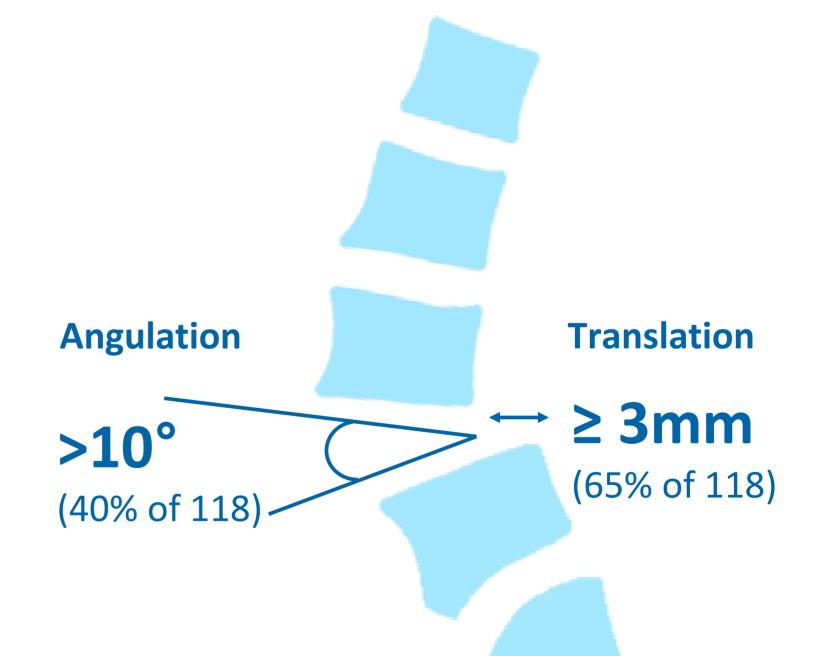
Full-text screening

Results

Definitions grouped



Thresholds of most frequent reported parameters



Conclusion

Segmental instability in the degenerative lumbar spine can radiologically be defined as ≥ 3mm dynamic sagittal translation