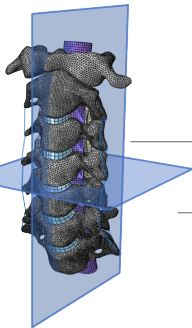
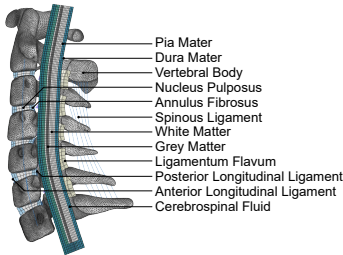


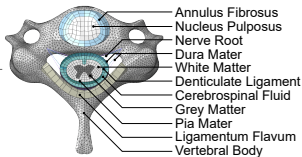
Figure 1



Model Overview



Sagittal Section



Transverse Section

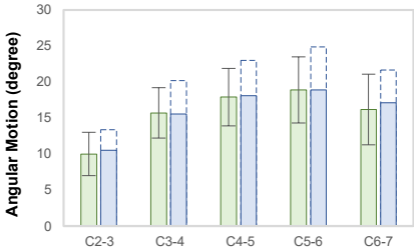


Figure 2

Experimental
(Puglisi et al.)

Computational
(Our model)

Hypermobility
(Our model)

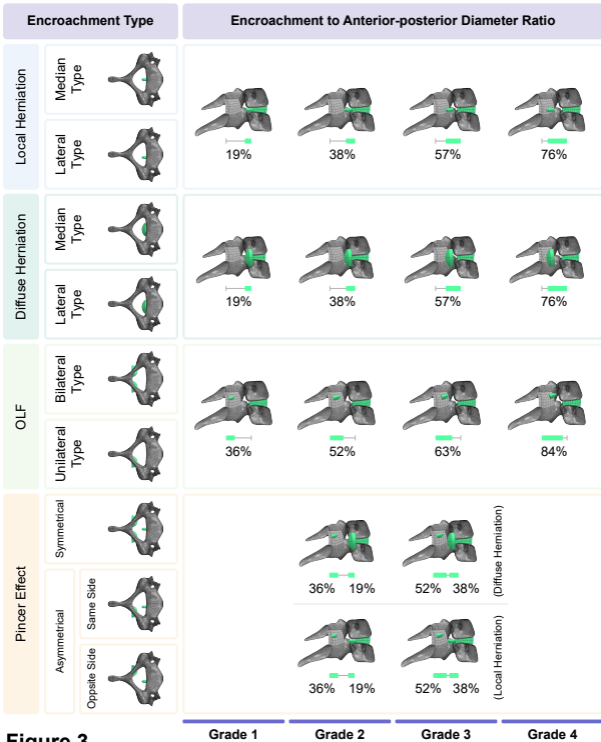


Figure 3

Grade 1

Grade 2

Grade 3

Grade 4

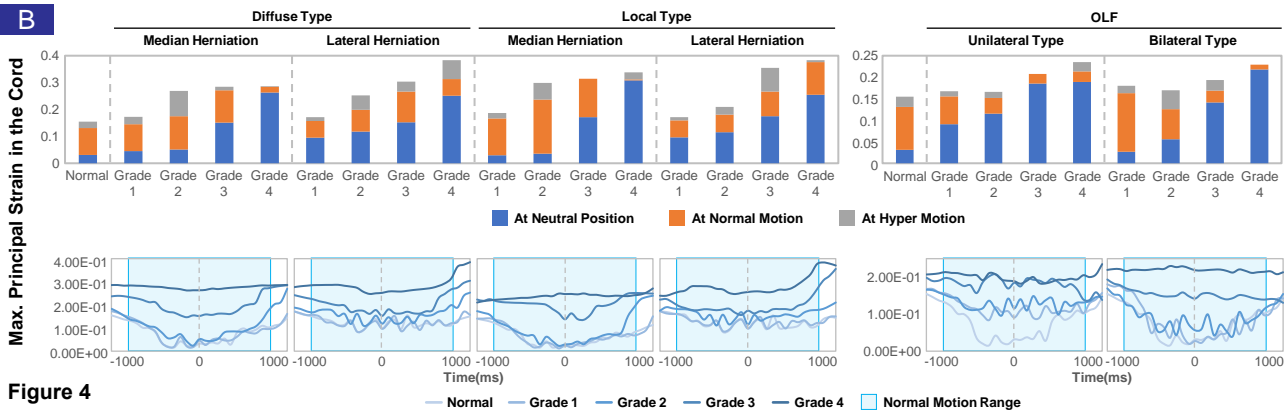
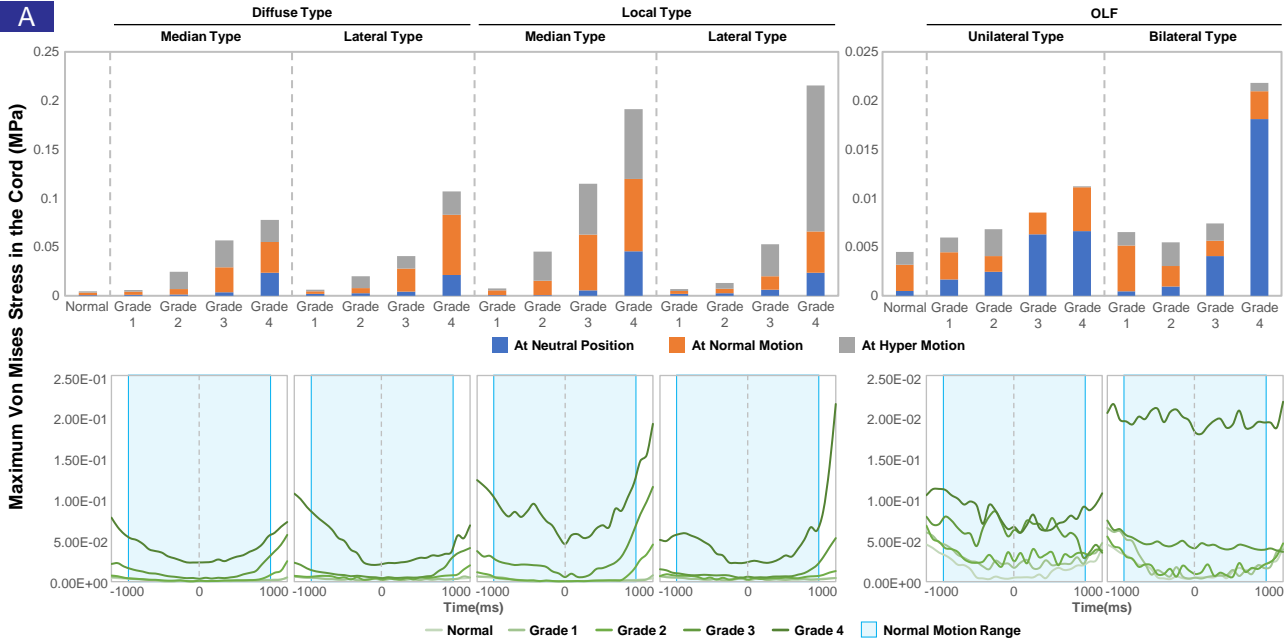


Figure 4

A Maximum Von Mises Stress in the Cord (MPa)

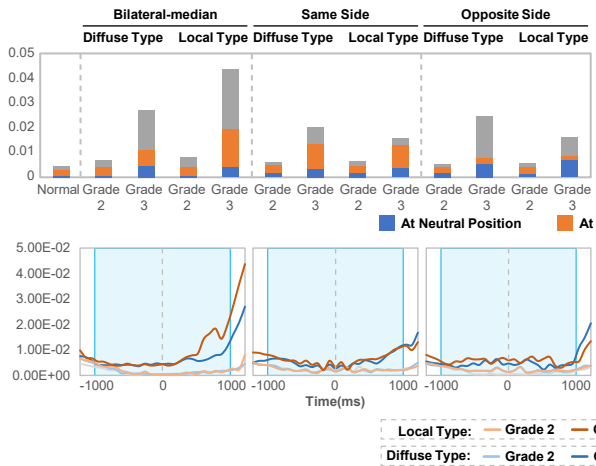
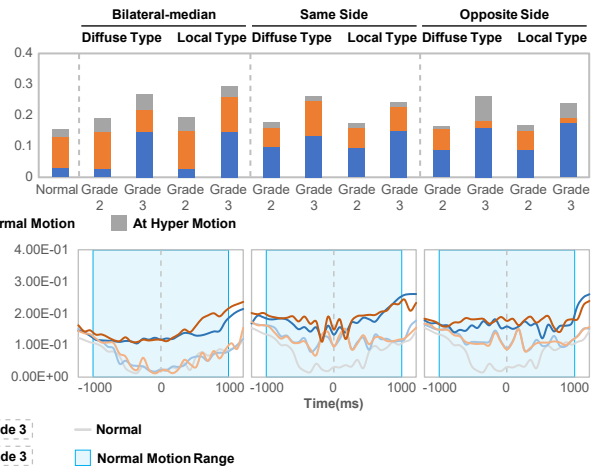


Figure 6

Maximum Principal Strain in the Cord



B

Von-Mises Stress in the Cord with both Disk Herniation and OLF (Pincer Effect)

