Spine pressure validation

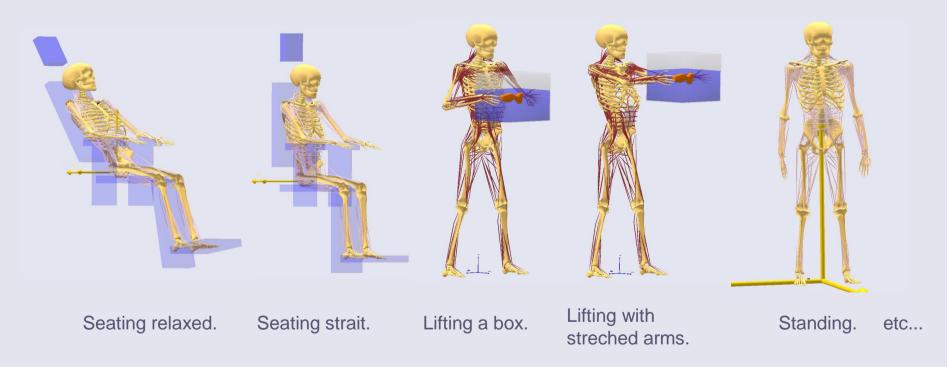
The AnyBody model is validated against an experiment form Wilke Hans-Joachim & al*.

In this experiment the pressure in the L4L5 intervertebral disc (nucleus pulposus) is measured in a healthy subject for different postures and loads of the daily life.



Spine pressure validation

The load cases are reproduced in AnyBody and the compresion force in L4L5 is analysed.





Results

- The results in paper are the disc pressures expresed as a percentage of the standing posture pressure.
- The results in AnyBody are the disc compresion forces expressed as a percentage of the standing posture force.
- The percentage from AnyBody and from the paper are compared to each others.



Results



