Ambulatory Gait Analysis : clinical application and fall risk detection

PROPOSITIONS

Belonging to the PhD thesis entitled

AMBULATORY GAIT ANALYSIS:
Clinical application and fall risk detection

Rachel Senden, Wednesday the 29th of May 2013

1. Acceleration based gait analysis is a sensitive tool to monitor gait limitations in orthopaedic patients. (this thesis)

2. The orthopaedic practice can benefit from acceleration based gait analysis as clinical outcome tool. (this thesis)

3. Important differences in gait that have been related to fall risk (e.g. inter-stride amplitude variability) are not always captured by subjective fall risk assessments. It is therefore warranted to include objective gait assessment in fall risk screening. (this thesis)

4. Age indirectly affects the recovery strategy employed by individuals to recover from a near fall induced by the TRiP. (this thesis)

5. Understanding balance recovery during gait requires systems that can modulate perturbation characteristics. (this thesis)

6. The only place where **S**uccess comes before **W**ork, is in the dictionary.

7. Since dancing lessons showed to reduce fall incidence, the chance to fall for dancers is decreased. (Medical Xpress)

8. Remember, falling can be prevented, except falling in love

9. Time is a strange phenomenon: nobody owns it, but everybody can make it.