

## MEASURING HOW SPINAL CORD COMPRESSION AND SURGERY AFFECTS WALKING

- Little detail is known about how cervical spondylotic myelopathy (wear and tear on the neck effects that compresses the spinal cord) affects walking.
- Using sensors to track movement, forces in the lower limbs and muscle activities, the study looked at patients walking before and after they had surgery to address this compression of the spinal cord.

- Analysing gait before and after surgery can monitor patient progress, and more generally it could help identify the best exercises to help rehabilitation.



“Hopefully we will be able to tease out if there are certain factors that make a patient more prone to gaining an improvement after surgery”.

Ailish McDermott – Senior physiotherapist in neurosurgery at Beaumont Hospital.