

**Biomechanical aspects to study riders' lumbar and spinal area
movements in therapeutic riding**

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***Abstract:** Advantaged technology has made it easy to analyse information in every day practices. This includes also Therapeutic riding. Normal video film that is taken from the patients can be easily computerized. This makes it easy to analyse and study riders movements before, during and after therapy. It can also be used as a feedback to paying instances and patients themselves. The purpose of my study was to analyse movements in a rider without a saddle. The special interest was in the movements transferred to rider's lumbar and pelvic area in 1) horse's free and 2) collected walk.*