

Proprioception of the knee joint in rheumatoid arthritis

Sell et al.

Study of GenuTrain, Sell et al. (1992):

Proprioception of the knee joint in rheumatoid arthritis ,
„Aktuelle Rheumatologie, Heft 6 Band 17, S.173-177, November 1992“

Thema:

Influence of proprioception at the articular control of the knee joint

Study design:

T-test, active und passive test procedure, clinical trial, time duration 12 months

Number of Patient:

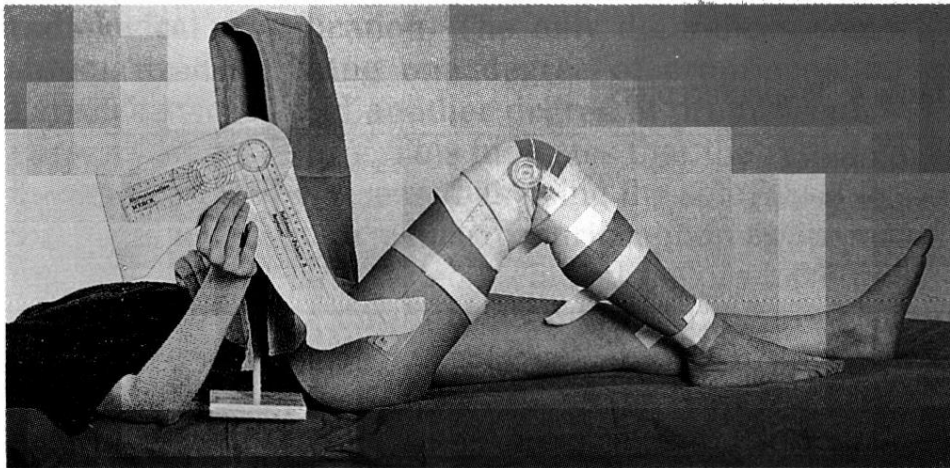
n (total) = 70, n (GenuTrain) = 30 patients, 48 knee joints, n (control) = 40 patienten

Results:

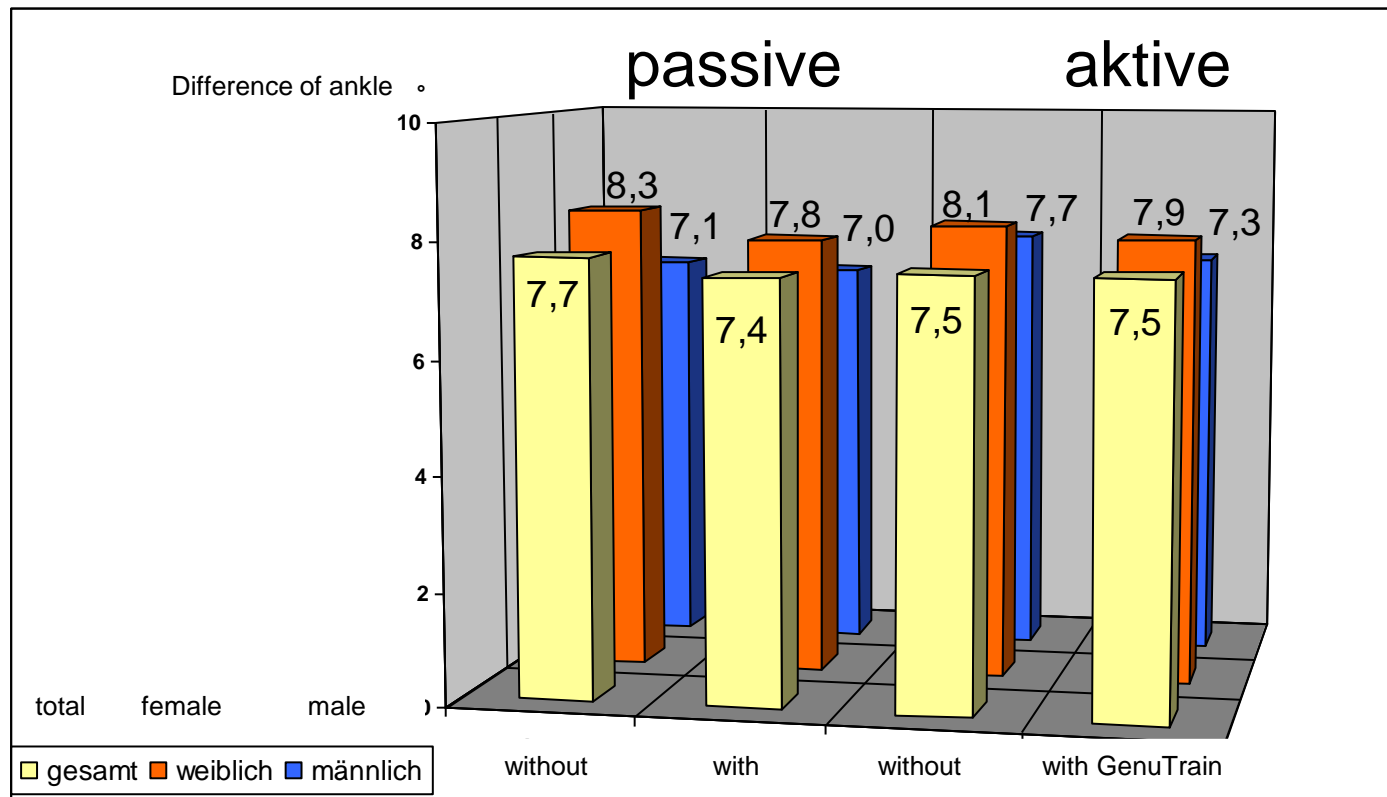
- knee joints with rheumatoid arthritis show a significantly worse proprioception by all measurements compared to health knee joints
- With **GenuTrain** the Propriozeption in knee joints with rheumatoid arthritis is significantly improved. Therefore the **musclular stabilization of the knee is enhanced**.
 - **24 % improved perception of the knee joint (passive)**
 - **16 % improved motor activity (active)**

Study of GenuTrain, Sell et al. (1992): Proprioception of the knee joint in rheumatoid arthritis , „Aktuelle Rheumatologie, Heft 6 Band 17, S.173-177, November 1992“

- **Diagram 1 Female subject with protractor attached. View of the knee joint blocked by a guard.**

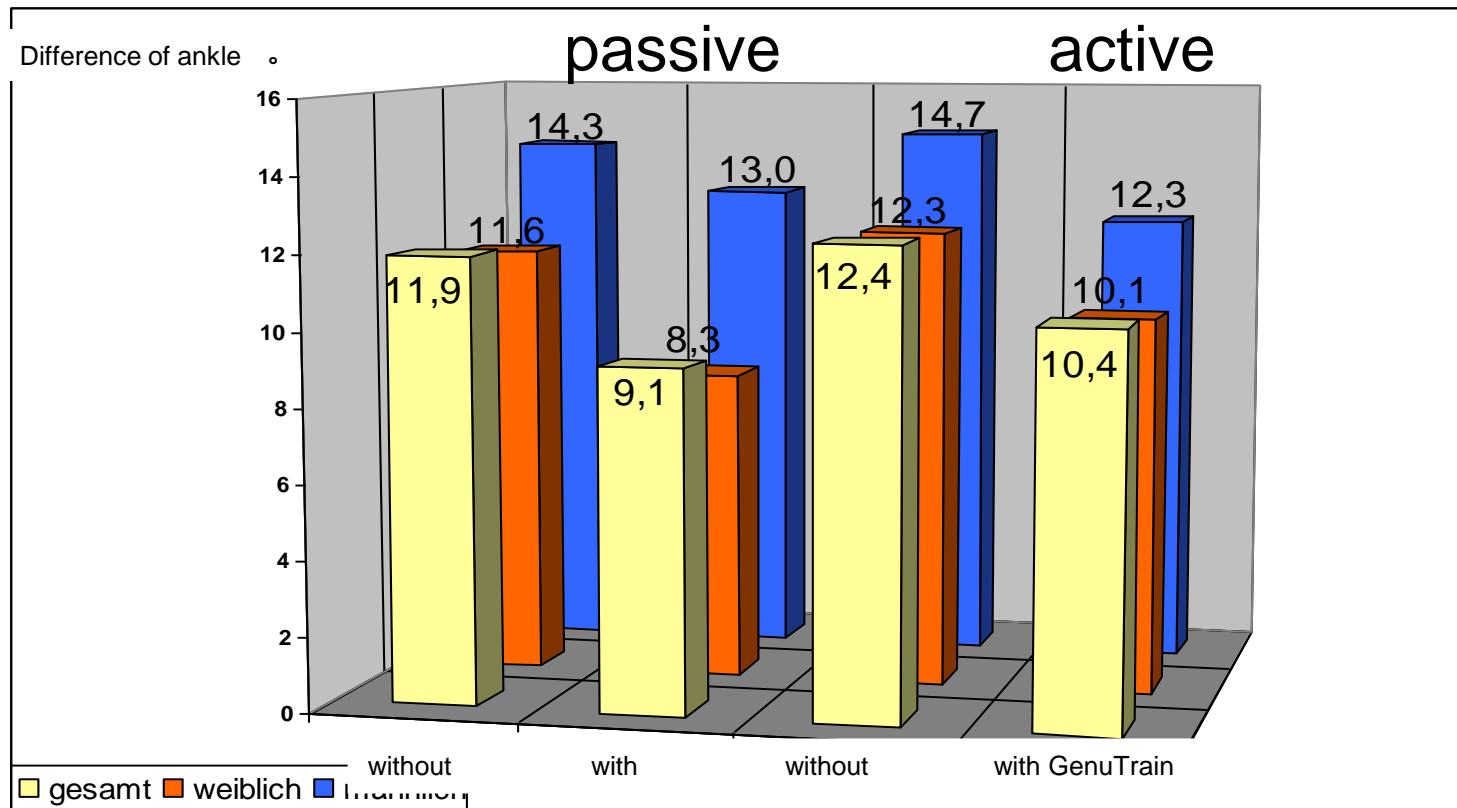


Proprioception of probands with **healthy** knee joints



No significant influence to proprioception can be measured with GenuTrain at healthy knee joints

Proprioception of probands with **chronic Polyarthritis** of the knee joint



24 % improved perception of the knee joint (passive) with GenuTrain
 16 % improved motor activity (active) with GenuTrain