Robot-assisted quantitative assessment of axis misalignment of wrist joint

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- **proposed a quantitative assessment method of axis misalignment** of wrist joint by introducing a self-aligning mechanism based on the rehab-robot.

- the axis variation of wrist joint can be mimicked naturally and **quantitative values can be recorded to assess axis misalignment.**

- Experiments were conducted and ICC (2, 1) ≥ 0.866, and SEM ≤ 1.34 mm.

Wrist rehabilitation device with self-aligning Mechanism and sEMG was attached.