

Additional File 5: Synthesis of recommendations for quantitative bimanual assessments

Recommendations for quantitative bimanual assessments

Measurements systems

- 3D motion analysis
- Out-of-laboratory measures
 - Accelerometers, sensors
 - Connected devices

Protocols

- 3-5 bimanual tasks
- Interaction with object (grasping, manipulating, holding)
- Different condition (speed, visual disturbance, etc.)
- Simple daily movements or playful situation
- Importance of environment
- Daily settings (home or school)

Parameters

- Combination of:
 - Kinematics
 - Quality of movement

With specific bilateral measure for bimanual situation