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Quantification of symptoms of movement disorders - towards support of clinical monitoring and diagnosis

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Propositions

belonging to the thesis

Quantification of symptoms of movement disorders – towards support of clinical monitoring and diagnosis

by

Zeus Tlaltecutli Dominguez Vega

1. Using the combined information from all three instead of only one SARA-kinetic upper limb test improves the classification between early onset ataxia, developmental coordination disorder and healthy participants (Chapter 2, this thesis)
2. Variability of movement is a meaningful feature which can be used as support information in the differential diagnosis of early onset ataxia and developmental coordination disorder (Chapter 3, this thesis)
3. Wrist accelerometer recordings during three days with at least three hours of tremor provide estimates of tremor percentage, tremor frequency variability and tremor intensity with good to excellent reliability, both for organic and functional tremor (Chapter 4, this thesis)
4. Functional tremor patients have a similar symptom burden compared to organic tremor patients (Chapter 5, this thesis)
5. Development of algorithms for data collected using medical wearable devices is necessary since they are becoming an essential tool for remote patient monitoring.
6. In God we trust. All others must bring data (W. E. Deming)
7. Everything should be made as simple as possible, but not simpler (Albert Einstein)
8. Nothing great was ever achieved without enthusiasm (R.W. Emerson)