Right on track: Towards improving DBS patient selection and care
Geraedts V.J.

Citation

Right on track: Towards improving DBS patient selection and care. (2020, October 27). *Right on track: Towards improving DBS patient selection and care*. Retrieved from https://hdl.handle.net/1887/137982

Cover Page

Universiteit Leiden

The handle http://hdl.handle.net/1887/137982 holds various files of this Leiden University dissertation.

Author: Geraedts, V.J.
Title: Right on track: Towards improving DBS patient selection and care
Issue Date: 2020-10-27

Stellingen behorend bij het proefschrift getiteld:

Right on track: towards improving DBS stimulation and care

1. *"Patients' needs and wishes concerning DBS-effects can easily be checked in advance and provide an opportunity for patient education and management of expectations prior to referral or screening."* (This thesis)
2. "*Stimulation-induced relief of severe motor fluctuations shifts patients' focus to other aspects of the disease that are unresponsive to subthalamic Deep Brain Stimulation"* (This thesis)
3. *"qEEG provides biomarkers that may serve as a proxy of cortical α-synucleinopathy in Parkinson's Disease patients"* (This thesis)
4. *"Multi-disciplinary approaches may advance healthcare-research and valorise higher-order analysis-techniques through application in fundamentally different fields"* (This thesis)

5. *A patient educated on realistic expectations of DBS is required for the success of functional stereotactic surgery.* (Modified from Hariz et al, Word Neurosurgery 2014).
6. *The process of referral for DBS may be improved by delineating clear and practical criteria for pre-selection.* (Modified from Moro et al, J. Neurol 2016).
7. *Non-motor symptoms play an important role in the lives of Parkinson's Disease patients. Early identification of those symptoms associated with a poor prognosis helps identifying patients who require more intensive clinical management.* (Modified from Marinus et al, Lancet Neurol 2018).
8. *Machine learning algorithms may approximate clinical experts (but never surpass them), although they can surpass an untrained human train.* (Modified from Bonanni et al, Mov Disord 2019).

9. *"One cannot make bricks without clay"* (Arthur Conan Doyle (1859-1930)) Every study is dependent on the availability and quality of underlying data.
10. "*Elk kind in het westen moet leren op twee benen te staan, maar een Nederlands kind krijgt dan ook meteen de schaatsen ondergebonden"* (Abdelkader Benali (1975-present)) Adaptation to circumstances is key to success.
11. "*You have the power to create machines, to create happiness, to make this life a wonderful adventure"* (Charlie Chaplin (1889-1977)) Machine learning is a tool not only to advance science, but ultimately to improve people's well-being.
12. *"When you run the marathon, you run against the distance, not against the other runners and not against the time."* (Haile Gebrselassie (1973-present)) Some accomplishments, including writing a PhD thesis, stand on itself.