Dotbase DBS – Integrated Software Platform for monitoring, quality measurement and SOPs in deep brain stimulation therapy

PRINCIPLE INVESTIGATORS:
Jasper Mecklenburg, Dr. Gregor Wenzel, Prof. Dr. Andrea Kühn
Charité

SUMMARY
Movement disorders, and especially deep brain stimulation (DBS), require a highly individualized therapy and continuous therapy-adaptation over years. During each step, extensive and heterogeneous data is collected which can be used for individualisation of the treatment. This project aims to develop a software platform which can collect and visualize the data in clinical routine. This will enable capturing the whole clinical path-way and improve adaptation of the treatment.

PROJECT GOALS
• Development of software for all steps during DBS therapy
• Preparation for technical documentation according to Medical device regulation

LONG-TERM GOALS
• Startup foundation
• Expand platform to further indications