

OxTBI Group Project

Project Title:

Cognitive screening in TBI

Supervisor(s) / PIs Name, email

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Department

Clinical Neurosciences

Prospective project level (Short project / Master's / DPhil / Postdoc)

Master's / DPhil

Funding status (Funded / Non-funded)

If funded, please indicate how much is covered, and the duration of funding.

Non-funded

Project Summary / Outline

This project will explore the feasibility, acceptability, and preliminary validity of cognitive screening in Traumatic Brain Injury (TBI) using the Oxford Cognitive Screen-Plus (a brief, tablet-based tool previously validated in stroke for detecting executive and memory deficits – see Webb et al ESJ 2022). In collaboration with the Clinical Neuropsychology Service at the Russell Cairns Unit (OUH) and Oxford Centre for Enablement, this research will address the current absence of systematic cognitive assessment in early TBI care, where medical and physical priorities often overshadow cognitive outcomes. Students can contribute to a process-evaluation and implementation study, combining qualitative methods (e.g., clinician and patient interviews, thematic analysis) to examine screening acceptability and workflow integration, with pilot quantitative data collection to ultimately assess diagnostic accuracy and psychometric convergence with full neuropsychological testing. The project offers training in mixed-methods translational research, cognitive assessment, and collaboration across NHS neurorehabilitation services, providing an



opportunity to inform development of a sustainable, evidence-based cognitive-screening pathway for TBI.

Required skills / experience

- Cognitive neurosciences or Psychology or Applied Health sciences background required.
- Experience working with vulnerable and/or clinical populations required.
- Experience with process evaluation and acceptability/feasibility research (including qualitative analysis approaches), or experience with cognitive neuropsychology assessments, or a background in psychometrics would all be helpful, but only a demonstrable interest in applied health research and cognition is fundamentally required.

Any other information