Brain Injury MedTech Co-operative



Neurocritical Care MIC Theme 2

Professor David Menon

The NIHR Brain Injury MedTech Co-operative is a partnership between the Cambridge University Hospitals NHS Foundation Trust and the University of Cambridge





- 1. Key Researchers
- 2. Exemplars

Description Neurocritical Care



Aims and objectives: The aims of our research theme are to identify questions that are of critical relevance to patients, identify areas of research that address these based on evidence generation (through primary research), synthesis (through a process of rigorous systematic review), and implementation (through Guideline development and refinement). As part of the MIC we will seek to use novel applications of data science to both clinical care and research (by making use of our UK primacy in the use of hospital-wide electronic medical record (eMR) systems), developing new tools for neuroimaging processing and analysis, and developing and implementing novel applications for new technology at all stages

Strategy Neurocritical Care



	NIHR Brain Injury MedTech Co-operativ	e
Year 4-5 Long-term	The longer term will see the identification of research questions that make use of new technologies, which will be refined for application in future cycles of the MIC.	
Year 2-3 Medium - term	This phase will involve conduct of clinical studies described in the subthemes below, and provide the first research outputs of eMR-based analysis	
Year 1 Short-term	Develop PPI portfolio further, and undertake rigorous systematic reviews of literature to identify and refine research questions. Obtain the regulatory approvals and funding needed for technology application and validation in the areas of near- patient haemostasis testing, selective brain cooling, and eMR-based data science	
Year 1	Develop PPI portfolio further, and undertake rigorous systematic reviews of literature to identify and refine research questions.	
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Sub-themes Neurocritical Care

National Institute for Health Research



Pathway Mapping Acute Care & Monitoring

Brain network visualisation and assessment at the bedside in disorders of consciousness Dr Srivas Chennu







Bishop et al.

NI

Anesthesiology 2012; 117:810-21 -operative







Clinical Themes





Healthcare Technology Co-operative (2013-2017)

National Institute for Health Research



Brain Injury MedTech Co-operative



The Next Generation Launch Event

Wednesday 25 April 2018: Homerton College, CB2

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