2024 SHIELDS RESEARCH GRANT AWARD RECIPIENT

Mauro Cafferelli, , MD

Mauro is an Assistant Professor at UCSF in Pediatric Critical Care Medicine and Child Neurology. As a clinician, he cares for children in the Intensive Care Unit (ICU) with a specialty focus on critically ill children with and at risk for neurological injuries. His research focus is screening critically ill children with heart disease who are at risk of suffering stroke while in the ICU. He is leveraging his background in neural electrophysiology from the Johnston Lab at the University of Texas at Austin to create new solutions for multimodal recognition of stroke in the ICU. As a member of the Amorim Lab, he developed the Correlate Of Injury to the Nervous System (COIN) index, a novel Quantitative EEG index used for the bedside detection of stroke and cerebral ischemia. Under the mentorship of Christine K Fox, MD MAS, he is working to validate COIN in critically ill children.