

NIRS in Pediatric Emergency Medicine: Toward proof of principle

Near-Infrared Spectroscopy Oximetry (NIRS) attempts to measure oxygenation level in brains of children presenting to Pediatric Emergency Medicine. Statistical analysis of NIRS falls in the domain of functional data analysis, i.e. continuous measurement of physiological variables. Aspects, statistical and otherwise, involving up to near demonstration of proof of principle for NIRS use in pediatric clinical practice will be presented.