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Clinical fMRI: From clinic to beyond

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Functional magnetic resonance imaging or functional MRI (fMRI) is a state-of-the-art functional neuroimaging technique that measures brain activity by detecting associated changes in blood flow. fMRI is increasingly playing a key role in providing a deeper insight into brain function and or functional brain networks. In fact, fMRI has matured over the last two decades from a research tool to a robust powerful clinical technique implemented in a wide spectrum of domains, from judicial, commercial to clinical. There are several new novel clinical applications of fMRI. The session will cover an introduction to clinical fMRI, clinical and a wide spectrum of recent novel applications (in rehabilitation, neurobehavioral and cognitive disorders, neuropsychology, mental health and psychiatry). This session will spotlight what currently can and cannot be done with fMRI.

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