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fMRI: From the 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 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 technique to robust technique implemented in a spectrum of domains, from judicial, commercial to clinical. There are several new approaches in fMRI acquisition, analysis, and acquisition that further springboard this exciting technique into the clinical arena.

Biography

Dr. Arshad Zaman is an experienced neuroscientist with over 15 years experience in developing and clinically applying functional Magnetic Resonance Imaging (fMRI) at international centers of excellence (Walton Centre for Neurology and Neurosurgery, WCNN, Pain Research Institute). Previous studies encompass a spectrum of applications from cognitive impact of new consumer products to state-of-the-art applications (e.g. pain relief, brain training, etc). Current commitments centre around clinical utilisation of fMRI.

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