

MEG, TMS and AI in paediatric neuroimaging

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ABSTRACT

Current medical advancement demands a highly accurate revelation of abnormalities and their sources. These prerequisites include the challenging conditions, hence new technologies are required to be established and incorporated in the management strategies. Magnetoencephalography (MEG) is a new dedicated development contributes substantially to the treatment of many neurological diseases while artificial intelligent (AI) is the groundbreaking new tool which calculates accurately the abnormalities via computerization to expedite the detection to assist the demanding radiology field. On the treatment perspective, Transcranial Magnetic Stimulation (TMS) provides a new light in management of difficult neurological disorders which in the past solely relied on the drugs and conventional rehabilitations.