

Research Article

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Better neural images by combining ultrahigh field strength MRI with innovative MRI sequences

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Author(s): Anuhya Dayal, Andin Ngwa, Brian Rutt, Arutselvan Natarajan* and Edwin Chang*

Better MRI scanning technologies and protocols can provide insights into neurological disorders. In this review, we describe the basic concepts of MRI and, in the process, we convey to the reader the relevance of MRI as a high-resolution imaging modality of tissue structure and metabolism. We outline the main parameters for improving MRI resolution and sensitivity for ...

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Morphometry of the middle cerebral artery (sylvian artery) on MRI: Contribution to cerebral endovascular surgery

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Author(s): Racky Wade-Kane*, Cheikh Seye, Magaye Gaye, Aïnina Ndiaye, Ndeye Bigué Mar, Sokhna Astou Gawane Thiam, Karim Yacouba Garba, Daouda Harouna Tireira, Isseu Dior Seck, Mamadou Ndiaye, Philippe Manyacka Manyemb, Sokhna Ba, Abdoulaye Dione Diop, Assane Ndiaye, Mamadou Diop, Jean Marc Ndoeye and Abdoulaye Ndiaye

Introduction: The Middle Cerebral Artery (MCA), from its old nomenclature “sylvian artery”, is a terminal branch of the Internal Carotid Artery (ICA) of which it constitutes the main extension. It represents a fundamental branch of the brain vasculature. The objective of this work was to provide Magnetic Resonance Imaging (MRI) morphometric data of the MCA to inform t ...

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