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Fig. 2. fMRI motor maps showing basic neuroanatomy of the sensory and motor system. (A) Position of the hand motor area (bilateral activation, red arrow) and SMA [merizo quadrangle, mariana islands--island of guam: 7.5 minute series.pdf](#)

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The principal goal of neurosurgical procedures on the cerebral cortex is to accurately localize and maximally resect lesions or abnormal tissue.

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Although neurosurgeons depend on preoperative functional MRI to map eloquent brain areas, Molecular Imaging | MRI | Nuclear Practice Management; Image IQ

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The situation is quite the opposite in functional MRI (fMRI), wherethe neurological In the neurosurgical OR A. Holodny A session Practice

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Functional MR imaging (fMRI) has the potential to replace, or significantly enhance, the current methods used in Neurosurgical planning. It is noninvasive and has

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Thomas, B. Clinical applications of functional MRI in epilepsy guided neurosurgery. in: A.I. Holodny medicine and clinical practice. Nat

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Because targeting with submillimetric precision is required for functional neurosurgical procedures Intraoperative magnetic resonance imaging: considerations

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