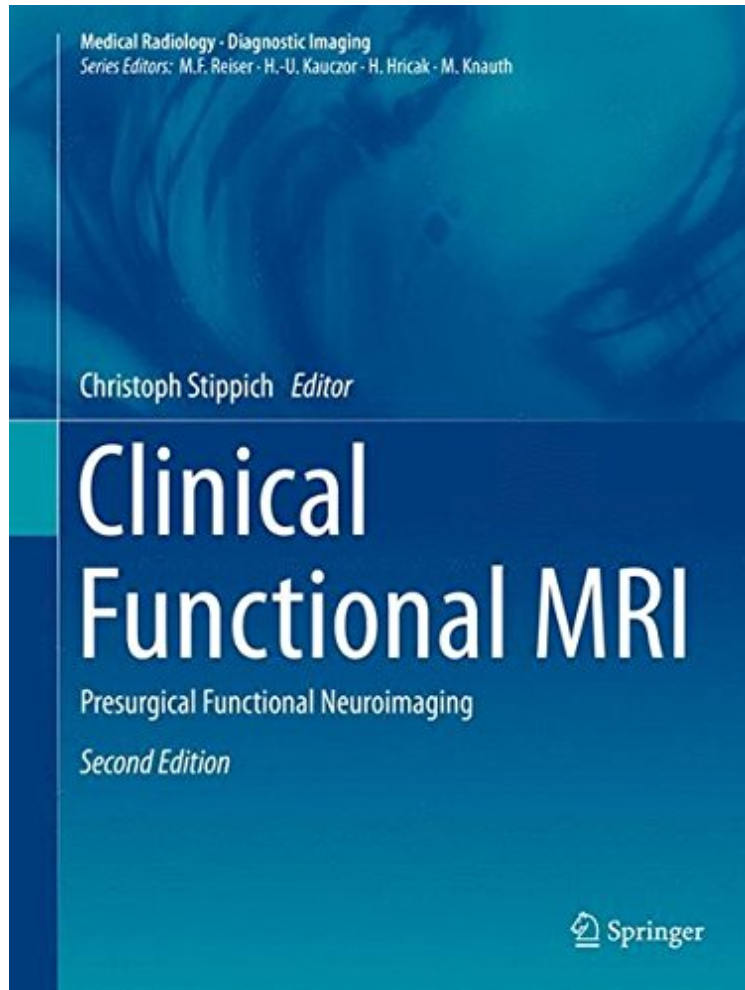


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Clinical Functional MRI: Presurgical Functional Neuroimaging (Medical Radiology)

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From Springer : Clinical Functional MRI: Presurgical Functional Neuroimaging (Medical Radiology) before purchasing it in order to gage whether or not it would be worth my time, and all praised Clinical Functional MRI: Presurgical Functional Neuroimaging (Medical Radiology):

1 of 2 people found the following review helpful. Images are all in grayscale in this second editionBy J TwainI purchased this 2nd edition (\$159) as well as the cheaper first edition (\$21) with the intent of leaving the first edition with my MR techs and the second edition for the radiologist reading room. I was dismayed to see that the second edition has entirely grayscale pictures, while the first edition has color pictures. In the second edition's grayscale illustrations, many of the overlaid color maps demonstrating the sites of functional activation are not at all perceptible and blend in with the rest of the brain. There are many other diagrams as well as pictures of gross specimens and of

brain during surgery that are well rendered in the first edition but do not look as good or lose their meaning in the second edition. There's a reason that we use *color* maps rather than grayscale overlays for functional imaging. The text is expanded in the second edition and seems to be of good quality. I will probably keep both editions in the reading room. 0 of 0 people found the following review helpful. Great overview of presurgical (and more) fMRI...in colour. By confuzacat An up to date and excellent overview of current presurgical use of functional fMRI for neuroradiologists, neurosurgeons and rad techs. The other reviewer's statement of non-coloured Images appears to be false - the 2nd Edition (at least in my case) has colour Images and not grey scale Images. Recommended for anybody interested in functional brain imaging!

The second, revised edition of this successful textbook provides an up-to-date description of the use of preoperative fMRI in patients with brain tumors and epilepsies. State of the art fMRI procedures are presented, with detailed consideration of practical aspects, imaging and data processing, normal and pathological findings, and diagnostic possibilities and limitations. Relevant information on brain physiology, functional neuroanatomy, imaging technique, and methodology is provided by recognized experts in these fields. Compared with the first edition, chapters have been updated to reflect the latest developments and in particular the current use of diffusion tensor imaging (DTI) and resting-state fMRI. Entirely new chapters are included on resting-state presurgical fMRI and the role of DTI and tractography in brain tumor surgery. Further chapters address multimodality functional neuroimaging, brain plasticity, and pitfalls, tips, and tricks.

The purpose is to provide a comprehensive and practical resource for physicians performing presurgical functional MRI, which is becoming more prevalent in most large centers and is replacing more invasive diagnostic studies. This is an ideal single source for neuroradiologists interested in incorporating presurgical functional MRI into their clinical practice. Neurosurgeons also will find this a helpful resource for technical details and limitations/pitfalls in functional imaging. (Bruce C. Gilbert, Doodys Book s, October, 2015) From the Back Cover The second, revised edition of this successful textbook provides an up-to-date description of the use of preoperative functional magnetic resonance imaging (fMRI) in patients with brain tumors and epilepsies. State of the art fMRI procedures are presented, with detailed consideration of practical aspects, imaging and data processing, normal and pathological findings, and diagnostic possibilities and limitations. Relevant information on brain physiology, functional neuroanatomy, imaging technique, and methodology is provided by recognized experts in these fields. Compared with the first edition, chapters have been updated to reflect the latest developments and in particular the current use of diffusion tensor imaging (DTI) and resting-state fMRI. Entirely new chapters are included on resting-state presurgical fMRI and the role of DTI and tractography in brain tumor surgery. Further chapters address multimodality functional neuroimaging, brain plasticity, and pitfalls, tips, and tricks. The book is designed to be of value to beginners, trained clinicians, and experts alike.