

NEUROIMAGING VOL 2 1ST EDITION



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2 The Open Neuroimaging Journal, 2016, Volume 10 Smittenaar et al. Greater activation in MT+/MST visual motion processing regions occurred in hearing participants when they attended to the CVF, whereas deaf participants had greater activation in these regions when attending to the PVF [18].

The Open Neuroimaging Journal

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The field of neuroimaging in all its guises has grown exponentially since those early days, slowly at first through the era of precision skull radiographs performed on dedicated skull tables to air encephalography, contrast myelography and early angiography right up to the present day when not only are we able to demonstrate neuroanatomy in ...

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multimodal neuroimaging, aging, brain maintenance 1 2 3 ... hippocampal volume in relation to episodic memory, MRI studies of cortical thickness in relation to executive functions, MRI studies of white matter connectivity in relation to working memory,

Neuroimaging in aging: brain maintenance [version 1

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NeuroImage: Clinical | Vol 2, Pages 1-922 (2013

Classes of Functional Neuroimaging Techniques A variety of noninvasive functional neuroimaging techniques are available for use in humans (Figure 1); these techniques are categorized into two main classes. The first consists of methods for directly measuring electrical activity associated with neuronal firing, such as electroencephalography ...

Cognition: An Overview of Neuroimaging Techniques

• Neuroimaging includes the use of various techniques to ... One volume (12 slices) every 2 seconds for 272 seconds (4 minutes, 32 seconds) Condition changes every 16 seconds (8 volumes) ... (e.g. task 1 vs. task 2) or group of subjects (e.g. patients vs. controls). Title:

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Functional neuroimaging ... 1. 2. 3. 4. As the hydrogen nuclei fall back into alignment, they produce a detectable radio signal. MRI signal decay rates (T2s) are different for different ... blood volume

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Over the last decade, some of the greatest achievements in the field of neuroimaging have been related to remarkable advances in magnetic resonance techniques, including diffusion

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