Oxygen-17 (^17O)

ISM RM 2009 Presentations

^17O T1/T2* Tissue-Relaxation Rates with Anatomical Contrast in the Rat Brain at 16.4 T

Author: Wiesner, Hannes M.; Balla, David Z.; Pohmann, Rolf; Chen, Wei; Ugurbil, Kâmil; Uludag, Kamil

Session: Neurochemical Modeling & Profiling of Brain Metabolism - ORAL Abstract #353

Direct and Noninvasive Measurement of Cerebral Metabolic Rate of ATP in Cat Brain and Its Physiological Implications

Author: Zhu, Xiao-Hong; Zhang, Yi; Ugurbil, Kâmil; Chen, Wei

Session: Advanced High Field MRS Applications in Animal Models - EPOS Abstract #3290

New Methods for the Quantification of Myocardial Oxygen Consumption with ^17O MRI

Author: McCommis, Kyle Stephan; He, Xiang; Abendschein, Dana R.; Gupte, Pradeep M.; Gropler, Robert J.; Zheng, Jie

Session: Myocardial Perfusion & Spectroscopy - ORAL Abstract #706

Non-Invasive, Whole-Brain CMRO2 Mapping of the Human Brain

Author: Atkinson, Ian C.; Thulborn, Keith R.

Session: Non-proton MRI - ORAL Abstract #609

Selected Publications

(Chronologic order)

Reviews


Methods


**Brain**


Fiat D, Kang S. Determination of the rate of cerebral oxygen consumption and regional cerebral blood flow by non-invasive 17O in vivo NMR spectroscopy and magnetic resonance


**Heart & Muscle**


**Oncology**


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Maratha House, 3 Larissa Court
Airmont, NY, USA

Telephone: +1-845-426-3406
Fax: +1-845-426-1109
Email: info@technimed.com
Website www.technimed.com