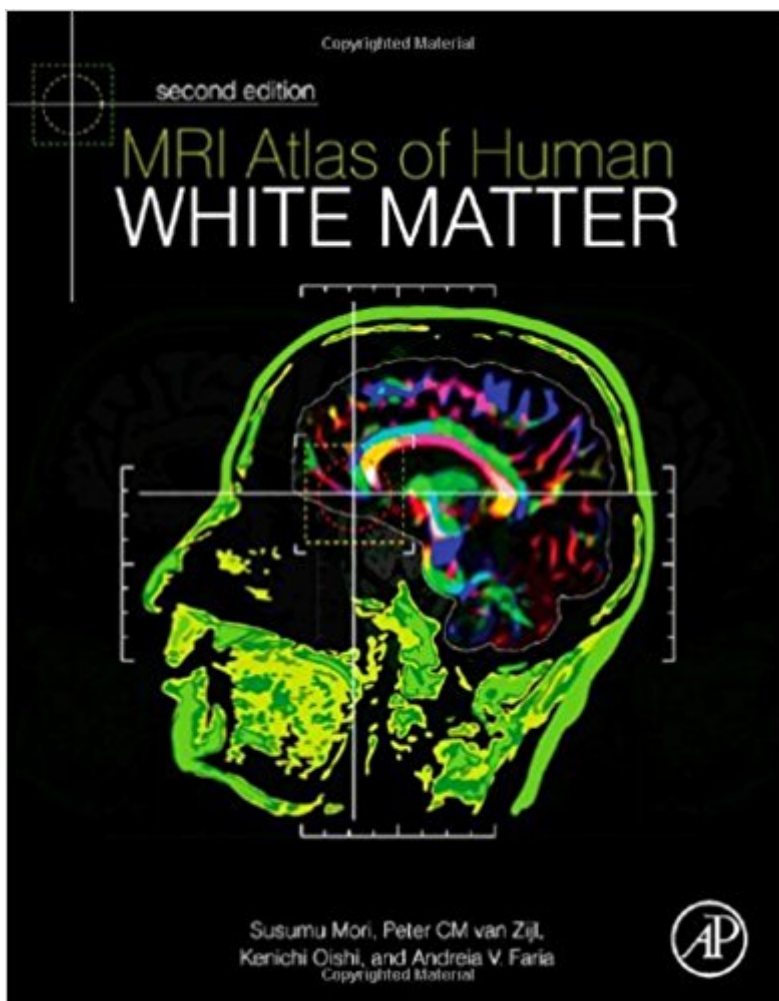


The book was found

MRI Atlas Of Human White Matter, Second Edition



Synopsis

MRI Atlas of Human White Matter presents an atlas to the human brain on the basis of T 1-weighted imaging and diffusion tensor imaging. A general background on magnetic resonance imaging is provided, as well as the basics of diffusion tensor imaging. An overview of the principles and limitations in using this methodology in fiber tracking is included. This book describes the core white-matter structures, as well as the superficial white matter, the deep gray matter, and the cortex. It also presents a three-dimensional reconstruction and atlas of the brain white-matter tracts. The Montreal Neurological Institute coordinates, which are the most widely used, are adopted in this book as the primary coordinate system. The Talairach coordinate system is used as the secondary coordinate system. Based on magnetic resonance imaging and diffusion tensor imaging, the book offers a full segmentation of 220 white-matter and gray-matter structures with boundaries. Visualization of brain white matter anatomy via 3D diffusion tensor imaging (DTI) contrasts and enhances relationship of anatomy to function. Full segmentation of 170+ brain regions more clearly defines structure boundaries than previous point-and-annotate anatomical labeling, and connectivity is mapped in a way not provided by traditional atlases.

Book Information

Hardcover: 266 pages

Publisher: Academic Press; 2 edition (November 23, 2010)

Language: English

ISBN-10: 0123820812

ISBN-13: 978-0123820815

Product Dimensions: 8.6 x 0.9 x 10.9 inches

Shipping Weight: 2.4 pounds (View shipping rates and policies)

Average Customer Review: 2.6 out of 5 stars 2 customer reviews

Best Sellers Rank: #995,450 in Books (See Top 100 in Books) #104 in [Books > Textbooks > Medicine & Health Sciences > Medicine > Clinical > Surgery > Neurosurgery](#) #148 in [Books > Medical Books > Medicine > Surgery > Neurosurgery](#) #218 in [Books > Textbooks > Medicine & Health Sciences > Medicine > Clinical > Radiology & Nuclear Medicine > Diagnostic Imaging](#)

Customer Reviews

"Overall, NeuroApps: MRI Atlas of Human White Matter will be of great interest to anyone in need of an introduction to human white matter anatomy and particularly valuable to those using diffusion tensor imaging. The conversion to an iPad app has been well implemented and makes the

atlas all the more accessible and attractive."--American Medical Association, JAMA, December 5, 2012, Vol 308, No 21, page 2280

Not very useful clinically. Labels on structures difficult to read. I will be returning or selling this book.

As a neuroradiology fellow, I have found this book extremely helpful and I highly recommend it to others learning brain anatomy. I have found it especially helpful in understanding the tractography we do for tumor resection planning.

[Download to continue reading...](#)

MRI Atlas of Human White Matter, Second Edition Human Sectional Anatomy: Pocket Atlas of Body Sections, CT and MRI Images, Third Edition CT & MRI Pathology: A Pocket Atlas, Second Edition (RadTech) Pocket Atlas of Cardiac MRI (Radiology Pocket Atlas Series) CT & MRI Pathology: A Pocket Atlas Atlas of Peripheral Nerve Ultrasound: With Anatomic and MRI Correlation Atlas of Small Animal CT and MRI Nursing: Human Science And Human Care (Watson, Nursing: Human Science and Human Care) McMinn and Abrahams' Clinical Atlas of Human Anatomy: with STUDENT CONSULT Online Access, 7e (Mcminn's Color Atlas of Human Anatomy) Anatomy: A Regional Atlas of the Human Body (ANATOMY, REGIONAL ATLAS OF THE HUMAN BODY (CLEMENTE)) White Mountain Guide: AMC's Comprehensive Guide To Hiking Trails In The White Mountain National Forest (Appalachian Mountain Club White Mountain Guide) How White Folks Got So Rich: The Untold Story of American White Supremacy (The Architecture of White Supremacy Book Series) Perfect Paperback 2017 A Matter of Time: Vol. 2 (A Matter of Time Series) Calder by Matter: Herbert Matter Photographs of Alexander Calder and his Work Soft Condensed Matter (Oxford Master Series in Condensed Matter Physics, Vol. 6) MRI in Practice (3rd Edition) Atlas de parasitologia humana / Atlas of Human Parasitology (Spanish Edition) ATLAS DE LA PREHISTORIA (Atlas Del Saber / Atlas of Knowledge) (Spanish Edition) Ocean County NJ Atlas (Hagstrom Ocean County Atlas) (Hagstrom Ocean County Atlas Large Scale Edition) MRI-Negative Epilepsy: Evaluation and Surgical Management

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)