



MRI Atlas of Human White Matter, Second Edition

By Kenichi Oishi, Andreia V. Faria, Peter C M van Zijl, Susumu Mori

Download now

Read Online 

MRI Atlas of Human White Matter, Second Edition By Kenichi Oishi, Andreia V. Faria, Peter C M van Zijl, Susumu Mori

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

 [Download MRI Atlas of Human White Matter, Second Edition ...pdf](#)

 [Read Online MRI Atlas of Human White Matter, Second Edition ...pdf](#)

MRI Atlas of Human White Matter, Second Edition

By Kenichi Oishi, Andreia V. Faria, Peter C M van Zijl, Susumu Mori

MRI Atlas of Human White Matter, Second Edition By Kenichi Oishi, Andreia V. Faria, Peter C M van Zijl, Susumu Mori

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

MRI Atlas of Human White Matter, Second Edition By Kenichi Oishi, Andreia V. Faria, Peter C M van Zijl, Susumu Mori Bibliography

- Sales Rank: #319170 in Books
- Brand: Academic Press
- Published on: 2010-11-23
- Original language: English
- Number of items: 1
- Dimensions: 10.90" h x .90" w x 8.60" l, 2.55 pounds
- Binding: Hardcover
- 266 pages



[Download MRI Atlas of Human White Matter, Second Edition ...pdf](#)



[Read Online MRI Atlas of Human White Matter, Second Edition ...pdf](#)

Download and Read Free Online MRI Atlas of Human White Matter, Second Edition By Kenichi Oishi, Andreia V. Faria, Peter C M van Zijl, Susumu Mori

Editorial Review

Review

"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

Users Review

From reader reviews:

Carrie Rivas:

Reading a reserve can be one of a lot of task that everyone in the world likes. Do you like reading book thus. There are a lot of reasons why people enjoyed. First reading a reserve will give you a lot of new data. When you read a guide you will get new information mainly because book is one of numerous ways to share the information or even their idea. Second, reading a book will make you actually more imaginative. When you reading through a book especially fictional works book the author will bring you to definitely imagine the story how the personas do it anything. Third, you may share your knowledge to some others. When you read this MRI Atlas of Human White Matter, Second Edition, you can tells your family, friends in addition to soon about yours guide. Your knowledge can inspire others, make them reading a guide.

Marjorie Batchelder:

The book with title MRI Atlas of Human White Matter, Second Edition has a lot of information that you can learn it. You can get a lot of benefit after read this book. This kind of book exist new expertise the information that exist in this guide represented the condition of the world right now. That is important to you to be aware of how the improvement of the world. This particular book will bring you in new era of the globalization. You can read the e-book on your own smart phone, so you can read the idea anywhere you want.

Melanie Roberts:

A lot of people always spent their very own free time to vacation or perhaps go to the outside with them family members or their friend. Do you know? Many a lot of people spent these people free time just watching TV, or playing video games all day long. If you wish to try to find a new activity here is look different you can read a book. It is really fun for you personally. If you enjoy the book that you read you can spent all day every day to reading a reserve. The book MRI Atlas of Human White Matter, Second Edition it is extremely good to read. There are a lot of individuals who recommended this book. These folks were

enjoying reading this book. In case you did not have enough space to bring this book you can buy typically the e-book. You can more quickly to read this book from the smart phone. The price is not too expensive but this book has high quality.

Nancy Deanda:

Do you have something that suits you such as book? The publication lovers usually prefer to opt for book like comic, short story and the biggest some may be novel. Now, why not trying MRI Atlas of Human White Matter, Second Edition that give your entertainment preference will be satisfied by reading this book. Reading habit all over the world can be said as the way for people to know world far better than how they react when it comes to the world. It can't be said constantly that reading addiction only for the geeky man but for all of you who wants to become success person. So, for all of you who want to start reading as your good habit, you are able to pick MRI Atlas of Human White Matter, Second Edition become your current starter.

Download and Read Online MRI Atlas of Human White Matter, Second Edition By Kenichi Oishi, Andreia V. Faria, Peter C M van Zijl, Susumu Mori #DYZU54ASCFO

Read MRI Atlas of Human White Matter, Second Edition By Kenichi Oishi, Andreia V. Faria, Peter C M van Zijl, Susumu Mori for online ebook

MRI Atlas of Human White Matter, Second Edition By Kenichi Oishi, Andreia V. Faria, Peter C M van Zijl, Susumu Mori Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read MRI Atlas of Human White Matter, Second Edition By Kenichi Oishi, Andreia V. Faria, Peter C M van Zijl, Susumu Mori books to read online.

Online MRI Atlas of Human White Matter, Second Edition By Kenichi Oishi, Andreia V. Faria, Peter C M van Zijl, Susumu Mori ebook PDF download

MRI Atlas of Human White Matter, Second Edition By Kenichi Oishi, Andreia V. Faria, Peter C M van Zijl, Susumu Mori Doc

MRI Atlas of Human White Matter, Second Edition By Kenichi Oishi, Andreia V. Faria, Peter C M van Zijl, Susumu Mori Mobipocket

MRI Atlas of Human White Matter, Second Edition By Kenichi Oishi, Andreia V. Faria, Peter C M van Zijl, Susumu Mori EPub

DYRU54ASCFO: MRI Atlas of Human White Matter, Second Edition By Kenichi Oishi, Andreia V. Faria, Peter C M van Zijl, Susumu Mori