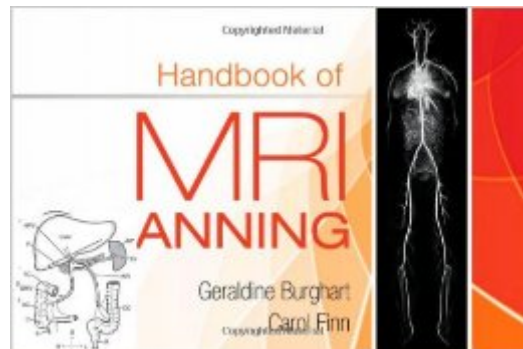


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# Handbook Of MRI Scanning, 1e



## Synopsis

Ensure high-quality diagnostic images with this practical scanning reference! Designed to help you plan and acquire MRI images, *Handbook of MRI Scanning*, by Geraldine Burghart and Carol Ann Finn, includes the step-by-step scanning protocols you need to produce optimal images. Coverage of all body regions prepares you to perform virtually any scan. Going beyond the referencing and recognition of three-plane, cross-sectional anatomy, each chapter demonstrates appropriate slice placements, typical midline images of each plane, and detailed line drawings of the pertinent anatomy corresponding to the midline images. With this handbook, you can conceptualize an entire scan and its intended outcome prior to performing the scan on a patient. Keep the book at your console -- it's ideal for quick reference! Consistent, clinically based layout of the sections makes scanning information easy to use with three images per page to demonstrate clinical sequences in MRI examinations. Handy, pocket size offers easy, immediate access right at the console. 600 images provide multiple views and superb anatomic detail. Suggested technical parameters are provided in convenient tables for quick reference with space to write in site-specific protocols or equipment variations.

## Book Information

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## Customer Reviews

First let me give you a little background. I am an mri tech with about 1 years experience in the field. As many mri techs have learned that are new to the field, when you first get out there on your own, its kinda scary. Unlike most xray techs who have a few other techs around in the department when you have questions, most mri techs are by themselves. Anyways, this book was my best friend the

first few months of my new job. I happen to work on a GE machine, which is what this book is based off of. That's not to say if you work on a Siemens or Toshiba that this wouldn't help, it still shows how to set up the slices, how to angle and gives you other technical parameters, just if you're working on a GE, that would be ideal for this book. I love how it shows you the actual slices and where they should be placed, what the actual scan should look like and different views of different planes. Also I love that it gives you a little anatomy diagram next to each part that you're potentially scanning. Great book for new techs, I highly recommend it!

This is a great reference book that is so far unique in the collection of MRI books out there as a spiral-bound have-next-to-the-scanner book. The next nearest book out there is *Handbook of MRI Technique*, though this book is much more detailed in both sequences and specific anatomy areas. This book lists out the common pulse sequences for both 1.5T and 3T, and also displays basic scan plane prescriptions. There are also line drawings of the anatomy of interest, similar to the drawings found in *Sectional Anatomy for Imaging Professionals*. There is also valuable information found at the beginning of each chapter which describes some of the rationale for some of the PSD selection, coils, contrast, artifacts, etc... The charts in the book list actual parameters and imaging options for each sequence, with an additional blank chart in each section meant for reader to write in their own site's standard sequences. With customized saved protocols in most scanning software, I question how useful the blank tables are, other than for general sequence listings. In future editions of this book, I would like to see a column for "Frequency direction" with it filled in as A/P, R/L, S/I. The listed "SPF swap phase & freq" can still be ambiguous and sometimes coil dependent. Other improvements I would make would be graphical views of sat band positions, listing of an estimated scan time per sequence, and also a brief discussion on the use of options like ZIP2, ZIP512, sequential, etc... Also, a flag for scans which are meant typically for a breath-hold would be nice. Overall, this book is great for anyone learning MRI as a tech, or for someone coming from a research/physicist background and needs to learn the anatomy-specific scan protocols. An experienced expert MRI tech would probably have a good handle on 95% of this book, but for anyone not at that level, it is a great reference and learning resource.

From the beginning learner to the experienced tech, this book is a must. It's small and spiral bound. Can travel with you anywhere. I am a 6 month in-training tech and it is amazing! Even the 30 yr experienced tech with me is amazed by the accuracy of this book. I have spent tons of money on learning aids and this is by far the best purchase. I am positive I will keep this handy throughout my

career.

I love this book and have shared it with other coworkers, students even application reps and doctors when there were questions about protocols and parameters this would get us right where we were wanting to be! Good investment!

A must for all technologists. I did MR for 12 years and left the field to do other modalities. This booklet had all the latest sequences and is very informative. It has helped to bridge the gap of what I knew and how the field has changed. Plus it has many of the protocols we are using or can suggest some in addition due to this booklet. A must!

Helpful to newbie MR techs learning the basic protocols, scans planes, and relevant anatomy in most exams. Veteran techs already know this stuff from experience but's a good reference when you're rusty.

From reading about this handbook I was really hoping for something that showed how to place slices showing 2 planes, but it only places slices on one plane. If you use GE it is a helpful book for protocols and pulse sequences, but if you don't use GE it isn't helpful at all.

I like the concept of this book. Really appreciate it being spiral bound which makes it easy to carry in your bag, etc. Would recommend to anyone who wishes to learn and/or refresh their memory on proper line placement for MRI anatomy. Just what I was looking for....

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