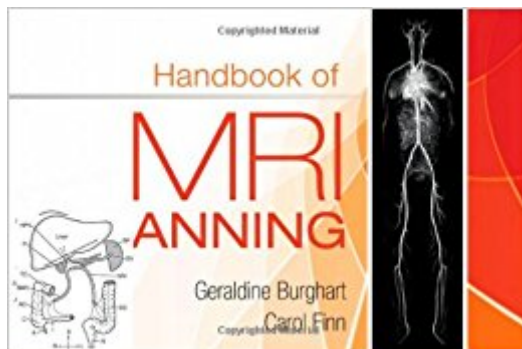


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# Handbook Of MRI Scanning, 1e



## 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

"This book provides technologists and students with not only a baseline for MR image acquisition, but also a standard of quality that should be consistently duplicated to provide the healthcare team with quality diagnostic images. This is a must read for any student or beginning technologist. It does a great job of providing a practical, realistic approach to MRI that avoids confusing physics and

equations. I have never seen another book that packed as much useful and simplistic information into such a small package." - Karl Freund, RT(R) MR, Froedtert Hospital (4 Star Doody Rating)

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. Thats not to say if you work on a siemens or toshiba that this wouldnt help, it still shows how to set up the slices, how to angle and gives you other technical parameters, just if youre 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 youre 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.

Good for new techs and students : but due to the fast pace environment ; I rarely had a chance to use it .

Just not detailed enough in positioning. Too much space dedicated to sequence protocols and not enough quality positioning pictures. If I were experienced enough to get much out of this book, I wouldn't need it.

I am a new MRI tech and I can say that this book really comes in handy for setting up scan slices and where to localize. I think it's a must have for student's or newer techs. Also the size of the book is perfect

Just what I needed thank you!

The concept of this book was a good one, but was not done very well. To begin with, the images are very small (some only @ 1.5 inches wide) and the graphics are poorly done. The Graphics are what should have been in Large and Bold print. Also, there are No Chapter pages listed - so if you want to look at the section titled "Shoulder" - there is no page number reference. Why ?? . All In all good idea but done on the cheap.

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.

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