

Mastering MRI is an invaluable reference and self-teaching tool for radiologists ranging from the student to the practising clinician. The large number and high standard of images, animated sequences and video, together with full text and additional audio commentary from the authors means the most current information is available from a single source.

The high quality design enables easy navigation through the different sections. This product is fully referenced allowing for further study.

SYSTEM REQUIREMENTS

Hardware

An IBM or fully-compatible PC with 486 SX, 33 Mhz processor or better.

- 4 MB of RAM (8 MB if you are running Windows 95)
- 1 MB of free hard disk space
- SVGA monitor
- MPC-compatible double-speed CD-ROM drive
- 16-bit MPC-compatible sound card
- Speakers or headphones
- Microsoft-compatible mouse

Software

- MS-DOS Version 5.0 or above
- Microsoft Windows Version 3.1, 3.11, or Windows 95, configured for 256 colours at 640 × 480 resolution or better.

INSTALLATION AND OPERATION INSTRUCTIONS

Installation

It is recommended that you follow the installation procedure below. It is assumed that your PC meets the system requirements and has Microsoft Windows 3.1, 3.11, or Windows 95 already installed.

1. Start Windows as normal. Make sure that your screen display is set to 256 colours at 640 × 480 resolution or better.
2. Insert the disc into the CD-ROM drive.
3. For Windows 3.1 or 3.11, from the Program Manager, click on File, then select Run from the pull-down menu. For Windows 95 select Run from the Start Menu.
4. Into the Command Line box (Windows 3.11 & 3.11) or Open Box (Windows 95), type:
D:\INSTALL.EXE
Click on OK

If you are not using drive D as your CD-ROM drive, replace D with the appropriate drive letter.

5. The Setup program will install the software. It will ask you to confirm various pieces of information (for example, where on the hard disk you want the application to be installed). Answer the questions and click on OK or Continue.

Microsoft Video for Windows Installation

Mastering MRI contains video clips which require Microsoft Video for Windows to run. If you are running Windows 3.1 or 3.11, you will be asked during the installation whether you want to install Video for Windows. Even if you have Video for Windows installed already, you may need to update it with the version on the CD-ROM. The CD-ROM contains Video for Windows version 1.1e.

Running the Software

Having completed the installation procedure, a new Program Group—Mastering MRI—will be displayed in your Program Manager window (Windows 3.1 and 3.11), or on your start menu (Windows 95), containing the following icons:

- 'Mastering MRI—The Central Nervous System'. Select this icon to run the software.
- 'Readme—The Central Nervous System'. Select this icon to view this document.
- 'Uninstall—The Central Nervous System'. Select this icon to remove the software from your hard disk.

HELP

By clicking on the "Help" box present on the main menu you can enter the help pages which detail how to navigate through the program. Alternatively, the following notes will help you through any difficulties you may have.

Contents

- How to use the main menu*
- Using the interactive keys*
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- How to access references*
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How to Use the Main Menu

The content of the disc is divided into eight sections:

- Contrast Agents
- Brain Tumors
- Periventricular Region
- Hemorrhage
- Brainstem
- MRA
- Hydrocephalus
- Myelopathy

By clicking on, say, *Brain Tumors* a secondary menu will appear:

- Introduction
- MR Technique
- Gliomas
- Primitive neuroectodermal tumor
- Hemangioblastoma
- Metastases
- Tumor mimics
- Meningioma
- Sellar tumors
- Cerebellopontine angle lesions

By clicking on this second level you will either be taken straight into a content screen or to a third level menu. For example, if *MR Technique* is chosen the following selection is shown:

- Unenhanced imaging
- Enhanced imaging
- Follow up

You can move forward through the subject matter in each of the main eight sections by either clicking on the main menu (3 tier) or by clicking on the forward arrow button.

Sections you have entered are automatically recorded and shown by the dimming of the relevant section heading. This information is stored for your current session only.

Using the Interactive Keys

When the keys are highlighted, they are active and respond when you click the mouse on them.

Zoom The image will enlarge to the full size of the screen. Click anywhere on the screen to return to the previous screen.

<i>Label</i>	Labels appear as arrows to point out the pathology on an image when you click on this key. Click on " <i>Label off</i> " to remove the arrows.
<i>Image 2</i>	On some occasions there is a second image associated with the text. Click on " <i>Image 1</i> " to return to the previous image.
<i>Links</i>	Clicking on " <i>Links</i> " shows a menu of related topics. By clicking on a topic you go to that section. Clicking on " <i>Return</i> " takes you back to the original screen.
<i>Comment</i>	These are personal comments by the author. By clicking on " <i>Comment off</i> " you can stop the sequence.
<i>Animation</i>	The sequence may be an animated MRI or a diagram. You have control over the animated MRI sequences using the play bar. You can step forward or back frame by frame to select a particular image. The animated diagrams play on a fixed loop using the animation button.

Moving Through the Section Screens

For ease of use you can move forwards or backwards through any one of the eight sections by using the two arrow keys.

Accessing the Glossary

Direct access to a *glossary* of terms is found through the A-Z key. Simply choose the first letter of the term you are seeking, click on the relevant word and the definition will appear. Click on the definitions box to remove it. To return to your previous screen, click on the curled arrow.

Returning to the Main Menu

Click on the key marked with a three tier menu to return to the main menu structure.

How to Access References

Throughout the text, references appear as a yellow (*R*). Click on the (*R*) to give a reference for further reading on the subject. Click on the box to remove the reference.

From the main menu you can access a screen entitled *Reference*. It will display references relating to the chapter selected in the main menu. You can also view all of the references by using the forward/backwards keys.

How to Access Keywords

Definitions of terms are given throughout indicated by yellow text. Clicking on these will give you a definition in a hypertext box. Click on the box to remove it.