

IC-152



DIGITAL BOOK[™]

HARRISON'S
**PRINCIPLES
OF
INTERNAL
MEDICINE**

13TH EDITION
COMPANION HANDBOOK

User's Manual

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Preface

Most students of medicine are overwhelmed by the sheer quantity of medical information potentially applicable to the diagnosis and treatment of patients. The editors and authors summarize this vast amount of information in *Harrison's Principles of Internal Medicine*, which is revised and updated every three to four years. Although *HPIM* represents a distillate of the broad field of internal medicine, along with its deep roots in the basic sciences, the total information presented in the book grows steadily, as does the base of useful medical knowledge.

While it would be ideal to have a copy of *HPIM* available at all times, the sheer bulk and weight of the book make this impractical. The editors, with the aid of selected contributors, have condensed the clinical portions of *HPIM* into this pocket-sized *Companion Handbook* which residents and students can carry through inpatient, outpatient, and emergency services of a teaching hospital. The *Companion Handbook* contains brief summaries of the key features of the diagnosis and treatment of the principal diseases that are likely to be encountered on a medical service. The inside cover (front and back) contain a glossary listing the abbreviations used throughout the book.

NOTE: In this User's Manual, the Glossary can be found on pages 32-34.

Preface

It is important to emphasize that the *Companion Handbook* should not and cannot be a replacement for a textbook of internal medicine. Rather it is an extension of the Thirteenth Edition of *HPIM*. The *Companion Handbook* is meant to be used when the house officer or student requires a brief introduction to or reminder of some aspect of clinical medicine but does not have immediate access to or the time to consult *HPIM*. Since the amount of material presented is too brief to stand on its own, it is recommended that the relevant subjects in a standard textbook be consulted as soon as time permits. Thus, we consider the two books, *HPIM* and the *Companion Handbook*, a single educational package.














The Editors

Notice






Medicine is an ever-changing science. As new research and clinical experience broaden our knowledge, changes in treatment and drug therapy are required. The editors and the publisher of this work have checked with sources believed to be reliable in their efforts to provide information that is complete and generally accepted at the time of publication. However, in view of the possibility of human error or changes in medical sciences, neither the editors nor the publisher nor any other party who has been involved in the preparation or publication of this work warrants that the information contained herein is in every respect accurate or complete and they are not responsible for any errors or omissions or for the results obtained from use of such information. Readers are encouraged to confirm the information contained herein with other sources. For example, and in particular, readers are advised to check the product information sheet included in the package of each drug they plan to administer to be certain that the information contained in this book is accurate and that changes have not been made in the recommended dose or in the contraindications for administration. This recommendation is of particular importance in connection with new or infrequently used drugs.

Key Guide

Function Keys





	Back up (e.g., erase a typed letter, display the previous screen, or turn off the highlight in text).
	Exit the selected digital book.
	Clear to the default state.
	Select a menu item, enter a word search, or start the highlight in the text.
	No effect.
	Display an appropriate help message.
	Display your note list from the text.
	Display the main menus.
	Find more matches for a word search.
	Turn the Digital Book System on or off.
	Type capitals or punctuation.
	Type a space or page down in the text.
	Go to the Outline from text.

Direction Keys











	Scroll or move in the indicated direction.
	Page down or up.
 * +  	In the menus, go to the bottom or top; in the text, go to next or previous heading or subheading.

**The gold key at the bottom left of the keyboard.*




Key Guide

-  +  In the text, go to the next paragraph; after a word search, display the Outline location of the next match; in the menus, highlight the next item matching the letters you've typed.
-  +  In the text, go to the previous paragraph; after a word search, display the Outline location of the previous match.

Gold Key Combinations*

-  +  Go to the top level of the Outline or the Index from a lower menu level.
-  +  Send a word between installed digital books in order to look it up.
-  +  At any level of the Outline, go directly to the text. In the text, highlight the next icon (BIB, FIG, FOOT, NOTE, or XREF) appearing on the screen.
-  +  Place a note in the text.
-  +  etc. If you're using the DBS-1 or DBS-2, type numbers.

Other Keys

-  Display a highlighted menu item or the Outline location of the text appearing on the screen.
-  +  Type an asterisk to be a wild card for letters in a search word.

**Hold the gold key while pressing the other key.*

Installing the Digital Book

You must install the digital book in your Digital Book System before you can use it.

WARNING: Never install a digital book when the Digital Book System is on. If you do, information that you entered in any other installed digital book may be erased.

1. Turn off the Digital Book System.
2. Install the digital book into a slot on the back.
3. Press **ON/OFF**.
4. If needed, turn the wheel on the side of the Digital Book System to adjust the screen contrast.

If the screen is still blank, check the batteries.

5. Press **CARD**.
6. Press **←** or **→** to highlight the icon, if needed.



7. Press **ENTER** to select it.

✓ Resuming Where You Left Off

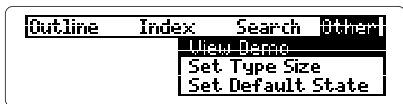
Should you forget to turn off the Digital Book System while using this digital book, the system will automatically shut off after a few minutes.

When you turn it on again, you return to the last screen that you viewed.

Viewing a Demonstration

Before you start using this digital book, you may want to view a demonstration of what it can do.

1. Press **CLEAR**.
2. Press **MENU**.
3. Press the arrow keys to highlight *View Demo* on the **Other** menu.



4. Press **ENTER** to start the demonstration.
5. Press **CLEAR** to stop the demonstration.

✓ Using the Menus

The flashing arrows on the right side of the screen show which arrow keys you can press to move around in the menus or text.

A slanted arrow (↘) to the right of menu items indicate that submenus exist.

To see the full text of a highlighted menu item, press **?***.

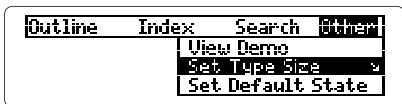
✓ Help is Always at Hand

You can view a help message at virtually any screen by pressing **HELP**. Press **↓**, the DN key, or **SPACE** to read. Then press **BACK** to exit help.

Changing Settings

You can change the type size, default state, and shutoff time of this digital book.

1. Press **(MENU)**.
2. Highlight the **Other** menu.
3. Highlight **Set Type Size**, **Set Default State**, or **Set Shutoff**.



4. Press **(ENTER)** to select it.
A check marks the current setting.
5. Highlight a setting.
6. Press **(ENTER)** to select it.
Or press **(BACK)** to keep the current setting.

✓ Understanding the Settings

- The *Type Size* is the size of the letters appearing in menus, text, and help messages.
- The *Default State* is the screen that appears when you press **(CLEAR)**. If you select *Word Search* as the default state, the search line appears. If you select *Outline Menu* or *Index Menu*, the appropriate menu is highlighted.
- The *Shutoff Time* is how long the Digital Book System stays on if you forget to turn it off.

Moving Through Text

When the text of the book is in view, you can easily scan and read surrounding text. Try this example.

1. Press **CLEAR**.
2. Press **MENU**.
3. Press **ENTER** three times to view the start of the book.

(Introduction)

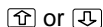
Pain is the most common symptom of disease. Management depends on determining its cause and alleviating triggering and

4. Press the direction keys to view text.

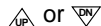
To . . .

scroll up or down

Press . . .



page up or down



page down



view the next or previous title



view the next or previous paragraph



5. Press **CLEAR** when done.

✓ Using the Direction Keys

You can also use the direction keys to read help messages and navigate menus.

Using the Outline

You can view any section, chapter, or subchapter of this digital book by selecting it from the Outline.

The sequence of sections and chapters is the same as in the printed book. Chapters are numbered consecutively from Chapter 1 independent of their sections.

1. Press **CLEAR**.

2. Press **MENU**.

Outline	Index	Search	Other
1	IMPORTANT SYMPTOMS AND		
	SIGNS		
2	MEDICAL EMERGENCIES		

3. Press **↓** to highlight a section.

Outline	Index	Search	Other
2	MEDICAL EMERGENCIES		
3	INFECTIOUS DISEASES		
4	CARDIOVASCULAR DISEASES		

4. Press **ENTER** to view chapters.

5. Press **↓** to highlight a chapter.

4	CARDIOVASCULAR DISEASES		
75	CONGESTIVE HEART FAILURE AND		
	COR PULMONALE		
76	HYPERTENSION		

6. Press **ENTER** to view subchapters.

Using the Outline

76 HYPERTENSION
DEFINITION
SECONDARY HYPERTENSION
APPROACH TO PATIENT

7. Press **(ENTER)** to view text.

DEFINITION

Chronic elevation in bp >140/90;
etiology unknown in 90-95% of
patients ("essential
hypertension"). Always consider a \updownarrow

This is the start of Chapter 76.

8. Press **(↓)**, **(↓)**, or **(SPACE)** to view more text.

For more ways to view text, see "Moving Through Text."

✓ Where in the Book Are You?

Once the text is in view, you can check its Outline location by pressing **(?*)**. Then press **(BACK)** to go back to the text.

NOTE: When you press **(?*)** or **(SPEC)**, you do not go to the actual Outline menu. If you came to the text from the Outline menu, you can go back to the menu by pressing **(BACK)**.

✓ Using Outline Shortcuts

To . . .

Press . . .



zoom to the first
or last item of a
menu list

 +  or 


return to the highest
level from any level

 + 

view text from any level


 + 

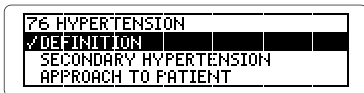
✓ Viewing Full Menu Items

Some items such as chapter titles and index entries are too long to fit onto one line. To view the full menu item, press .



✓ Viewing the Outline Location

When you're in text, you can find your location in the Outline by pressing  repeatedly.

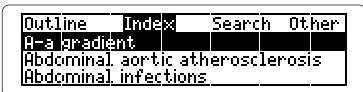


To return to the text, press  repeatedly.

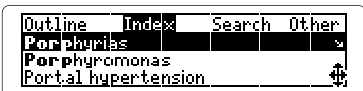
Using the Index

You can find a topic quickly by entering it at the Index menu. Usually you need to type only the first few letters of a topic to find it. Try this example.

1. Press **CLEAR**.
2. Press **MENU**.
3. Highlight the Index.



4. Start typing a word (e.g., *Porphyrias*).



The slanted arrow (↘) shows that *Porphyrias* has subentries.

5. With *Porphyrias* highlighted, press **ENTER**.



To return to the Index menu, press **○** plus **BACK**.

6. Highlight a subentry (e.g., *(general)*).
7. Press **ENTER** to view its text.

Using the Index

PORPHYRIAS (Introduction)

The porphyrias are inherited or acquired disturbances in heme biosynthesis, each of which causes a

This text is for the general subentry under *Porphyrias*.

8. To go back, press **BACK**.
9. Press **CLEAR** when done.

✓ Understanding Index Entries

Index entries followed by a slanted arrow have subentries. You can view the subentries by pressing **ENTER**. To return to the main entry, press **BACK**.

Outline	Index	Search	Other
intracranial hemorrhage			
St. Louis encephalitis			
Salicylates			

Abbreviated entries are indexed as if they were spelled out. For example, *St. Louis* is indexed as Saint Louis even though it is abbreviated.

Viewing Footnotes and References

Throughout this digital book you'll see bibliographic references, cross-references, and footnotes. They are represented by these symbols:

bibliographic reference **[BIB]**

cross-reference **[XREF]**

footnote **[FOOT]**

When you see one of these symbols, you can view a footnote or reference. (Bibliographic references appear directly after section and chapter titles.) The example below uses a bibliographic reference in "Management of Cardiac Arrest" in Chapter 27.

1. Go to text with a symbol.
2. With the symbol in view, press **[O]** plus **[ENTER]** to highlight the first symbol.

Or press **[ENTER]** and then the arrow keys to highlight it.

**MANAGEMENT OF CARDIAC
ARREST**

Basic life support (BLS) commences immediately (Fig. 27--1 **[BIB]**):
1. Open mouth of patient and

3. Press **[ENTER]** to view the footnote, bibliographic reference, or cross-reference.

From J Henderson, Emergency Medical Guide, 4th ed, New York, McGraw-Hill, 1978.

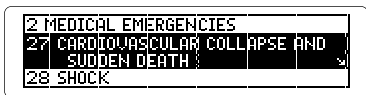
4. Press **[BACK]** to return to the text.

Viewing Figures

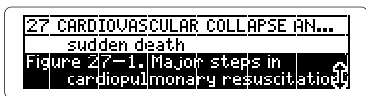
Throughout this digital book, you'll see figure symbols. When you select a figure symbol you will go to the illustration that corresponds with the figures in the *HPIM Companion Handbook*.

NOTE: There are 26 figures illustrated from the *Companion Handbook* in this digital book. The other 21 have been converted into tables that appear in their appropriate chapters.

1. Press **CLEAR**.
2. Press **MENU**.
3. Select **2 Medical Emergencies**.



4. Select **27 Cardiovascular Collapse and Sudden Death**.
5. Press **↓** to highlight Figure 27-1.

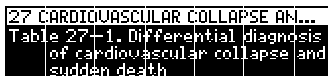


6. Press **ENTER**.
7. Press **○** plus **ENTER** to highlight the **FIG**.
Or press **ENTER** and then the arrow keys to highlight the **FIG**.

Viewing Tables

Tables are numbered as in the printed book. The best way to find a table is to select it from the Outline, where tables are listed at the end of each chapter. In this example, we'll view Table 27-1.

1. Press **CLEAR**.
2. Press **MENU**.
3. Under **Outline**, highlight *2 Medical Emergencies*.
4. Press **ENTER** to select Chapter 27.
5. Press **ENTER** again.
6. Press **↓** to highlight Table 27-1.



27 CARDIOVASCULAR COLLAPSE AN...
Table 27-1. Differential diagnosis
of cardiovascular collapse and
sudden death

7. Press **ENTER** to view the table.



Table 27-1. Differential diagnosis of cardiovascular collapse and sudden death
1. Ventricular fibrillation due to
* Myocardial ischemia (severe)

8. Press a direction key to move down.
9. Press **BACK** to return to the previous menu.
10. Press **CLEAR** when done.

Viewing Figures

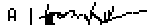
Figure 27-1. Major steps in cardiopulmonary resuscitation

Highlight **[F1]** to view figure **[F1]**.



8. Press **[ENTER]**.

Figure 27-1
Major steps in cardiopulmonary
resuscitation



Make certain the

9. Press **[↓]** repeatedly to view more.

B



Start respiratory
resuscitation
immediately

C



Feel for the
carotid pulse
in the groove
alongside the..

10. Press **[BACK]** to go back.

11. Press **[CLEAR]** when done.

Searching for Words

You can search for any word in this digital book by entering it at the Search line. You can search for up to five words at a time, but you cannot search for common words such as *the* and *and*.

1. Select **Word Search** from the Search menu.

Type words to find then press **ENTER**. Or press **HELP**.

Press **MENU** for other options.

Or press **CLEAR** if **Word Search** is your default state.

2. Type a search word(s) (e.g., *hyperthyroidism*).

3. Press **ENTER** to find the matches.

Outline location:

20 DIARRHEA, CONSTIPATION, A...
Table 20-3. Common causes...
Mucosal disease

4. Press **ENTER** again to view the text of this match.

mellitus, hypoparathyroidism,
adrenal insufficiency,
hyperthyroidism, Zollinger-
Ellison syndrome, carcinoid
syndrome).

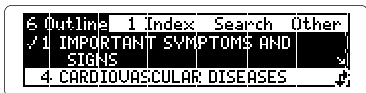
A box marks your search word.

5. Press **○** plus **DN** to view the next match.

To view the previous match, press **○** plus **UP**.

6. Press **MENU** to view the Outline sections and Index entries with matches.

Searching for Words



The number of sections and Index entries with matches are shown at the top of each menu.

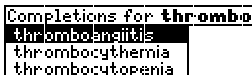
7. Highlight an Outline section or Index entry.
8. Press **ENTER** repeatedly until a match appears.
9. Press **CLEAR** to clear your search.

✓ Changing Your Search Words

If you want to add to or change your search word(s), press **MENU** while in a search. Select *Change Search Query* from the Search menu. Then type your changes and press **ENTER** to search for the new word(s).

✓ Finding Spellings

To search for words that you don't know how to spell, type an * to stand for a series of unknown letters. (To type an *, press **(SHIFT)** plus **(?*)**.) For example, type *thrombo** and press **(ENTER)**.



Completions for **thrombo***
thromboangiitis
thrombocytopenia
thrombocytopenia

Press **(↓)** to highlight a word, if needed. Then press **(ENTER)** to search for it.

✓ Searching for Greek Letters

Type the following letters to stand for Greek letters in your searches:

- a for alpha,
- e for epsilon, and
- b for beta,
- g for gamma.

✓ If You Misspell a Word

When you enter a misspelled word, you see a “*your word*” *not in this book* message and then a spelling correction list like this.



Corrections for **rhomatology**
Words starting with rhomat...
rheumatology
rheumatologic

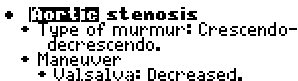
Press **(↓)** or **(↑)** to highlight a correction and then press **(ENTER)**. Or press **(BACK)** to enter another word.

Picking Search Words

You can also search for a word by highlighting, or picking, it in text. You can pick any word except very common words such as *the* and *and*.

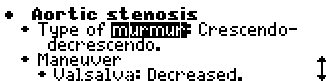
1. Go to Table 73-1. *Aortic stenosis*.

2. Press **ENTER**.

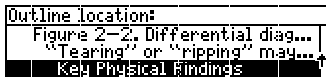
- 
- **Aortic stenosis**
 - Type of murmur: Crescendo-decrescendo.
 - Maneuver
 - Valsalva: Decreased.

Notice the highlight. You can turn it off by pressing **BACK**.

3. Press the arrow keys to highlight a word (e.g., *murmur*).

- 
- **Aortic stenosis**
 - Type of **murmur**: Crescendo-decrescendo.
 - Maneuver
 - Valsalva: Decreased.

4. Press **ENTER** to search for the word.



Outline location:

- Figure 2-2. Differential diag...
- "Tearing" or "ripping" may...
- Key Physical Findings**

You can find more matches for your search word now by pressing **MORE**. (See "Expanding Your Searches").

5. Press **ENTER** to select the first match.

Picking Search Words

- Key Physical Findings: Weak, asymmetric peripheral pulses; possible diastolic **MURMUR** or aortic insufficiency (chap. 78 **REF**).

6. Press **○** plus **▽** to view the next match.

Outline location:			
73 PHYSICAL EXAMINATION OF T...			
AUSCULTATION			
HEART MURMURS			

7. Press **☰** to view the Outline and Index.

10 Outline	9 Index	Search	Other
1 IMPORTANT SYMPTOMS AND SIGNS			
✓4	CARDIOVASCULAR DISEASES		▼

8. Select a matching section or entry to view.

9. Press **✕** when done.

✓ Words Too Common to Pick

Some words, such as articles and conjunctions, occur too frequently in English to pick.

If you try to pick and search for one of them, you see *Can't search for that word.*

Expanding Your Searches

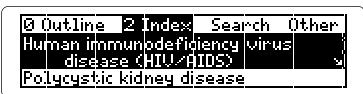
You can expand your searches to find more matches by pressing **(MORE)** after entering your search word(s). You can expand a search up to five times (or until *No more* appears). Each time that you press **(MORE)**, the previous matches are discarded and new matches of synonyms and similar words are found.

1. Go to the Search line.
2. Type words (e.g., *kidney disease*).
3. Press **(ENTER)**.



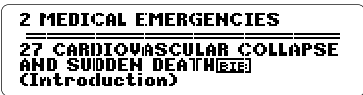
These are the only two matches that contain the words “kidney” and “disease” in their titles.

4. Press **(MORE)** to expand the search further.



These twenty matches all contain the words “kidney” and “disease” in their text.

5. Press **(MORE)** again to search thesaurus matches.
6. Press **(O)** plus **(ENTER)** to go directly to the highlighted match’s text.

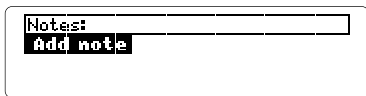


Taking Notes

► Placing Notes

You can place notes in the text to mark important passages. The total number of notes you can place depends upon their lengths, but you can place only one note per paragraph.

1. With the text in view, press **(LIST)**.



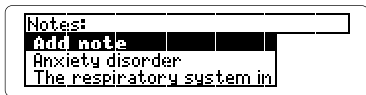
2. Press **(ENTER)** to select *Add note*.
3. Type a note of your own and press **(ENTER)**.
Or press **(ENTER)** to add the pre-entered note.

A **NOTE** marks its placement in the text.

► Finding and Removing Notes

Once notes have been placed in the text, you can use them as bookmarks to quickly find information. To remove a note, you must first find it in the text.

1. At any text, press **(LIST)**.
2. Highlight a note.



Type its first few letters or scroll to it.

Taking Notes

3. Press **ENTER** to view the **NOTE** icon in the text.

NOTE **Differential diagnosis:**
Symptoms and signs resembling anxiety occur in coronary artery disease, thyroid disease, and drug ↑ intoxication or withdrawal. Anxiety ↓

To view the content of the note, first hold **○** and press **ENTER** and then press **ENTER**. Press **BACK** to go back to the text.

4. To remove the note, press **LIST** and then press **ENTER** to select *Remove note*.

✓ A Quick Way to Place Notes

Rather than using **LIST**, you can quickly place a note in a paragraph by holding **○** and pressing the N key. Then press **ENTER** to place the pre-entered note, or enter your own note.

✓ Removing All Your Notes





You can remove all your notes at one time by resetting the Digital Book System when this digital book is installed. To learn how to reset the Digital Book System, read “Using the Digital Book System.”

WARNING: Resetting the Digital Book System erases information that you entered in an installed digital book. Always remove other digital books before resetting your Digital Book System.

Sending Words

This digital book can send and receive words to and from other digital books. This feature allows you to define or look up words in other books. Of course, more than one digital book must be installed in your Digital Book System.


To find if a certain digital book can send and receive words, read its User's Manual. Follow the steps below to send a word between books.

1. **At text, press  to start the highlight.**
2. **Press the arrow keys to highlight the word you want to send.**
3. **Hold  and press .**
4. **Press the arrow keys to highlight another digital book symbol.**
5. **Press .**

The word that you highlighted appears in the Search line.

6. **Press  again.**

The receiving digital book searches for the word. If a match is found, you can view text.

7. **To return to the sending digital book, press  and then select its symbol.**

Using the Digital Book System®

► Resetting

If the keyboard fails to respond or the screen performs erratically, press **CLEAR** and then press **ON/OFF**. If nothing happens, hold **CLEAR** while pressing **ON/OFF**. If still nothing happens, press the recessed reset button on the back of the Digital Book System using a paper clip. **WARNING:** Resetting the Digital Book System will erase information, such as notes, you may have entered in the installed digital books.

► Protecting and Cleaning

- Do not touch the metal contacts on the back of digital books or the rubber contacts on the Digital Book System with statically charged objects such as your fingers. **CAUTION:** touching your digital books with statically charged objects may erase information that you entered in them.
- Do not put excessive weight on digital books or the Digital Book System, or expose them to extreme or prolonged heat, cold, or other adverse conditions.
- To clean digital books, apply isopropyl alcohol with a cotton swab. To clean the Digital Book System, apply a mild household cleaner with a soft cloth. **CAUTION:** Spraying liquids on digital books or the Digital Book System may damage them.
- When not using the Digital Book System, store digital books in its slots to prevent dust buildup.

► Replacing the Batteries

The DBS-1 and DBS-2 use four 3-volt, CR2032 lithium batteries. The DBS-2D uses four 1.5-volt, AA batteries.

- 1. Have new batteries on hand.**
- 2. Turn the Digital Book System off.**
- 3. Slide the battery cover off the back.**
- 4. Remove all the batteries.**
- 5. Place new batteries in the cavities, with their pluses oriented correctly.**
In the DBS-1 and DBS-2 the pluses should face you.
- 6. Replace the battery cover.**

✓ Battery Precautions

When you replace batteries, follow these precautions to avoid erasing information in any installed digital books.

- Replace the batteries before they lose all power.
- Never remove the batteries while the Digital Book System is on.
- Once the batteries have been removed, install new ones within two minutes.
- Never mix old and new batteries.

Glossary

These abbreviations are used in this digital book.

A₂	Aortic second sound	CLL	chronic lymphocytic leukemia
ABGs	arterial blood gases	CML	chronic myelogenous leukemia
ACE	angiotensin converting enzyme	CMV	cytomegalovirus
AF	atrial fibrillation	CNS	central nervous system
AIDS	acquired immunodeficiency syndrome	CSF	cerebral spinal fluid
ALS	amyotrophic lateral sclerosis	CT	computed tomography
ANA	antinuclear antibody	CVP	central venous pressure
ARDS	adult respiratory distress syndrome	CXR	chest x-ray
bp	blood pressure	DIC	disseminated intravascular coagulation
bid	two times daily	DVT	deep venous thrombosis
BUN	blood urea nitrogen	Dx	diagnosis
CBC	complete blood count	EBV	Epstein Barr virus
CF	complement fixation	EEG	electroencephalogram
CHF	congestive heart failure	ECG	electrocardiogram
CPK	creatinine phosphokinase	ELISA	enzyme-linked immunosorbent assay

Glossary

EMG	electromyogram	JVP	jugular venous pressure
ENT	ear, nose, and throat	LA	left atrium
EOM	extraocular movement	LAD	left axis deviation
ESR	erythrocyte sedimentation rate	LBBB	left bundle branch block
FEV₁	forced expiratory volume in first second	LFT	liver function test
GFR	glomerular filtration rate	LLQ	left lower quadrant
GI	gastrointestinal	LP	lumbar puncture
G6PD	glucose-6-phosphate dehydrogenase	LUQ	left upper quadrant
Hb	hemoglobin	LV	left ventricle
Hct	hematocrit	MI	myocardial infarction
hs	at bedtime	MRI	magnetic resonance imaging
Hx	history	NPO	nothing by mouth
HIV	human immunodeficiency virus	NSAIDs	nonsteroidal anti-inflammatory drugs
ICU	intensive care unit	P	pulse
Ig	immunoglobulin	P₂	pulmonic second sound
IM	intramuscular	Pa_{o2}	partial pressure of O ₂ in blood
IV	intravenous	Pa_{co2}	partial pressure of CO ₂ in blood
IVC	inferior vena cava	pc	after food
IVP	intravenous pyelogram	PFTs	pulmonary function tests
		PMNs	polymorphonuclear cells or leukocytes

Glossary

PO	by mouth	SVC	superior vena cava
PPD	purified protein derivative, skin test for tuberculosis	Sx	signs and symptoms
prn	when necessary	TIA	transient ischemic attack
pt	patient	tid	three times daily
PTT	partial thromboplastin time	TLC	total lung capacity
qd	every day	UA	urinalysis
qh	every hour	URI	upper respiratory infection
qhs	every bedtime	UTI	urinary tract infection
qid	four times daily	VDRL	test for syphilis
qod	every other day	UV	ultraviolet
qAM	every morning	VPC	ventricular premature contractions
R	respiratory rate	WBC	white blood (cell) count
RBBB	right bundle branch block		
RBC	red blood (cell) count		
RLQ	right lower quadrant		
RUQ	right upper quadrant		
RV	right ventricle		
S₁...S₄	heart sounds, 1st to 4th		
SC	subcutaneous		
SL	sublingual		
SLE	systemic lupus erythematosus		

Specifications

Model IC-152

- Search for up to five words
- Search expansion • Multi-level outline
- Index with Alpha-search
- Spelling correction
- User-entered notes
- Figures, footnotes, bibliographic, and cross-references
- Sends and receives words from other books
- Context-sensitive help messages and demo
- Adjustable type size, shutoff time, and default screen
- Size: 5.8 x 3.1 x 0.6 cm

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5,153,831. DES 348,439; DES 349,281.

European Patent: 0 136 379. Patents Pending.

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