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# The Washington Manual of Medical Therapeutics

34<sup>TH</sup> EDITION

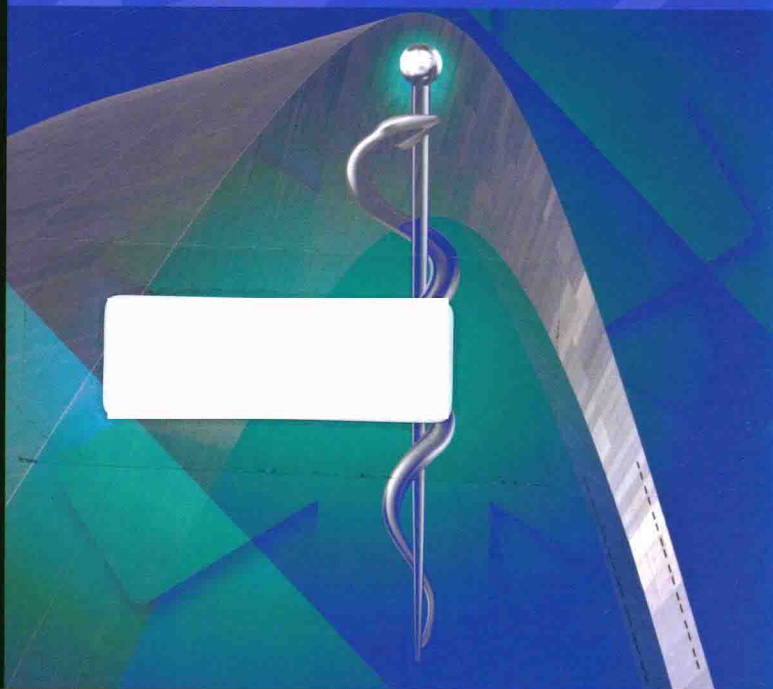
## 华盛顿内科治疗学手册

英文影印版

(第 34 版)

Hemant Godara  
Angela Hirbe  
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天津科技翻译出版有限公司

著作权合同登记号：图字：02-2015-45

图书在版编目 (C I P) 数据

华盛顿内科治疗学手册：英文 / (美) 戈达尔(Godara,H.) 等主编. —影印本. —天津：天津科技翻译出版有限公司, 2015.4  
ISBN 978-7-5433-3482-3

I. ①华… II. ①戈… III. ①内科—疾病—治疗—英文 IV. ①R505

中国版本图书馆CIP数据核字(2015)第060099号

Hemant Godara, etc: The Washington Manual of Medical Therapeutics, 34 edition, ISBN: 978-1-4511-9195-0

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本书提供了药物的适应证、副作用和剂量疗程，可能根据实际情况进行调整。读者须阅读药品包括盒内的使用说明书，并遵照医嘱使用。本书的作者、编辑、出版者或发行者对因使用本书信息所造成的错误、疏忽或任何后果不承担责任，对出版物的内容不做明示的或隐含的保证。作者、编辑、出版者或发行者对由本书引起的任何人身伤害或财产损失不承担任何责任。

授权单位：Lippincott Williams & Wilkins Inc.

出 版：天津科技翻译出版有限公司

出 版 人：刘 庆

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网 址：www.tsttpc.com

印 刷：山东临沂新华印刷物流集团有限公司

发 行：全国新华书店

版本记录：889×1194 32开本 36.5印张 1000千字

2015年4月第1版 2015年4月第1次印刷

定价：98.00元

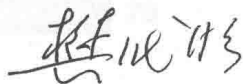
(如发现印装问题，可与出版社调换)

## 影印版序

有人推测,近20年医学知识的进展量相当于之前2000年的总和。美国哈佛大学的校长曾在该校开学典礼上对新生说:“同学们,现在我们教给你们的知识十年以后可能一半是错的。”当被问及为何教授错误知识时,回答是因为现在不知道哪些是绝对对的,哪些是绝对错的。医学知识目前的半衰期只有五年,如果一位医生六年前毕业,再也没有继续学习新的医学知识,那他就等于医盲。一方面,医学知识呈几何指数,甚则爆炸式增长;另一方面,由于临床工作十分繁忙,多数医生下班时已精疲力竭。如何从浩如烟海的知识中找寻适合自己正确实施临床诊疗的法宝,是医学界一个急需解决的大难题。有幸的是,华盛顿大学和Barnes-Jewish医院的专家团队顺应这一需要,编写出版了这本经典的工具书——《华盛顿内科治疗学手册》。

该书是世界内科学领域标准的参考书,也是全球销售最好的医学专著。自1943年初版以来,已再版达34次,几乎2~3年更新一版,对内科疾病的诊断及治疗进行及时修订和全面更新。它通过大量图表和临床病理讨论的方式,采用提纲式方法介绍常见疾病的病因和流行病学、病理和生理、症状和体征、诊断和鉴别诊断、物理和化验诊断、治疗和预后,并用循证医学方法对其进行评述。本版还新增了毒理学一章,用以增强临床医生对各种中毒及药物滥用的认识和处理。

天津科技翻译出版有限公司及时引进了这部经典医学专著的影印版,使读者能直接领略原著的原生态风貌。“原汤化原食”,不仅能提高医学生、实习生、住院医师、低年资专科医生的医学英文水平,更能提高他们的医学知识和专业技能,是一本不可多得的好书。我有幸先睹为快,借此推荐给年轻同仁。



中国工程院副院长、院士  
第四军医大学原校长  
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2015年3月19日

**We dedicate this manual to the outstanding medicine house staff at Washington University and Barnes-Jewish Hospital—their wisdom, dedication, and compassion continue to inspire us each and every day.**

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# Chairman's Note

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The rate of increase of medical knowledge places an enormous burden on physicians to keep up with recent advances, particularly in novel therapies that will improve patient outcomes. The *Washington Manual*® of Medical Therapeutics provides an easily accessible source of current information that covers a practical clinical approach to the diagnosis, investigation, and treatment of common medical conditions that internists encounter on a regular basis. The pocketbook size of the *Manual* ensures that it will continue to be of enormous assistance to interns, residents, medical students, and other practitioners in need of readily accessible practical clinical information. It meets an important unmet need in an era of information overload.

I acknowledge the authors, who include house officers, fellows, and attendings, at Washington University/Barnes-Jewish Hospital. Their efforts and outstanding skill are evident in the quality of the final product. In particular, I am proud of our editors—Hemant Godara, Angela Hirbe, Michael Nassif, Hannah Otepka, and Aron Rosenstock—and the series editors—Tom De Fer and Katherine Henderson—who have worked tirelessly to produce another outstanding edition of the *Manual*. I also recognize Melvin Blanchard, MD, Chief of the Division of Medical Education in the Department of Medicine at Washington University, for his guidance and advice. I am confident that this *Manual* will meet its desired goal of providing practical knowledge that can be directly applied to improving patient care.

Victoria J. Fraser, MD  
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St. Louis, Missouri

# Preface

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We have the pleasure of introducing the 34th edition of *The Washington Manual of Medical Therapeutics*. "The Manual," as it has been labeled here at Washington University, has a proud tradition of being edited by the Internal Medicine Chief Residents. It was initially intended for use by local medical students and house staff but has now grown to be the best-selling medical text in the world. Beyond the increase in production, the *Manual* has grown in size and complexity, mirroring the practice of medicine. Wayland MacFarlane served as the initial editor in 1943, and numerous revisions have occurred in its 70 years of existence, moving from a short textbook to a portable reference. Today, we hope to continue that evolution in providing the rich text in both written and electronic form with availability on portable electronic devices.

We continue the virtues that made the work a success: a concise discussion of pathophysiology, an evidence-based presentation of current therapies, and a sensible format. Additionally, we have diligently updated the content to reflect ever-changing advances in medicine.

*The Washington Manual of Medical Therapeutics* has established a tradition of excellence that we aspire to preserve. Throughout this year, the medicine house staff, fellows, medical students, and attendings have inspired us. Their brilliance, commitment, and compassion are truly remarkable. We are honored that they turn to the *Manual* for guidance. We are deeply indebted for the substantial support and direction that Tom De Fer, the series editor, provided in the creation of this edition of the *Manual*. We also thank Katie Sharp and the editorial staff at Lippincott Williams & Wilkins for their assistance and patience with our busy schedules.

We have had the honor and pleasure of serving as Chief Residents of Shatz-Strauss, Karl-Flance, Kipnis-Daughaday, North Campus firms, and The Primary Care Medicine Clinic in the Barnes-Jewish Center for Outpatient Health. Our Firm Chiefs, Megan Wren, William Clutter, Geoffrey Cislo, and E-P Barrette, have been instrumental over the course of the year, serving as mentors and role models. Our program director, Melvin Blanchard, has been a great help in the production of the *Manual*. Our Chairman of Medicine, Vicky Fraser, provided guidance and support in the creation of this text. We thank our families for their support and inspiration. To Ram Kumar, Malka, and Robbie; Patrick and Carla, TJ and Gabriel; Edward, Cecelia, and Karla; Steve, Karen, and Arun; Julio, Katty, and Jessi ... our gratitude is beyond measure.

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