

蓝图双语系列丛书

第 2 版

心脏病学

CARDIOLOGY

原 著 Eric H. Awtry
Cathy Jeon
Molly G. Ware

主 译 赵世光

主 审 刘 巍



人民卫生出版社
PEOPLE'S MEDICAL PUBLISHING HOUSE

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Blueprints Cardiology, 2e

By Eric H Awtry, et al.

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译者序

早

在学生时代,就渴望能有一套优质的汉英对照医学系列丛书,特别是在国外留学期间,发现国外的医学生们都有相应医学双语参考书籍,作为课堂知识的补充内容。《蓝图双语系列丛书》就是一套不可多得的医学参考书,阅读此书后受益匪浅,如获至宝。今有幸将其译成中文,愿和广大医学生及青年医师共享。

本套《蓝图双语系列丛书》改编于美国 Blueprints 畅销丛书,该套丛书覆盖面已扩大到涵盖大部分医学临床专业和亚专业,包括急诊医学、家庭医学、神经病学、心脏病学、影像学、儿科学、妇产科学、精神病学、麻醉学、骨科学及外科学等专业。该套丛书是科学性的集中体现,无论在篇章设置、概念引用、文字表达,还是图表运用上都秉承严肃认真的科学态度,进行了合理的安排与控制。已成为美国广大医学生和住院医师获取专业知识的最佳读物,深受广大读者的喜爱,已被打造成为高质量、值得信赖的品牌丛书。

本套丛书采用英中文对照的形式,在获得丰富医学知识的同时还可以提高专业英语水平。该丛书可供医学生、住院医师、全科医师学习阅读,也可作为专科医生参考用书。

我们在翻译的过程中,组织了具有多年临床经验并且在美国、日本等国家留学的临床医生,经过大家共同努力,逐字逐句反复推敲,在忠实于原著的基础上,又考虑到汉语的语言习惯等因素,尽量使语言表达通俗易懂。与此同时有些部分也采用了意译的方法,更有助于读者的理解和掌握。

由于译者水平有限,本书中所存在的不足之处,敬请读者批评指正。

最后,感谢对本书出版给予支持和帮助的所有同仁们!

译者

2009年10月于哈尔滨

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前言

英文原版的《蓝图双语系列丛书》(Blueprints series)于1997年出版了前5部,为处于USMLE第二、三阶段,欲获得大量准确临床知识的医学生、内科医生及住院医师提供了一个学习的范本。在近十年的时间里,《蓝图双语系列丛书》的覆盖面已扩大到涵盖大部分临床专业,成为广大医学生、住院医师获取从初级知识、专业知识到亚专业知识的读物,被打造成为高质量、值得信赖的品牌丛书。

《蓝图双语系列丛书》本着源自学生、辅助学生学习的理念,募请了住院医师作为编者,源源不断地提供信息和方法,以确保“蓝图”这一原创品牌立于不败之地。

截至目前,《蓝图双语系列丛书》已发行第2版,涵盖5个专业——急诊医学、家庭医学、神经病学、心脏病学以及影像学,每一本书均已更新、校对完成,将为您带来最新的诊断方法和治疗方案。读者的反馈意见对于第2版的编写方向具有重要的指导意义。我们十分感谢数以百计的医学生、住院医师们对本书所给予的深层次评价以及对书中内容的细致研读。

新特征贯穿全书,与之对应,每一本书都系统地进行了回顾与修订。每一章节都加入了循证医学部分,以提供最新的和经典的参考文献,同时,增加了具有代表性的问题,并随答案给出正确、错误选项的详细解释。系列丛书的每一部都进行了复习、回顾,目的即为读者提供最为准确、最为全面、综合而且价/效比最高的信息。

有读者反馈,《蓝图双语系列丛书》有助于各学习阶段的医学生(从基础学习阶段到处于USMLE第二、三阶段的实习生)学习。处于USMLE第三阶段的住院医师借此书学习非专业范畴内的医学知识。卫生保健专业的学生(包括助理医师、护士、整骨疗法从业人员)将此书作为学习手册或资格考试复习用书。

我们竭诚希望通过阅读本系列丛书,您能获取知识、受益良多。您所反馈的意见和建议是我们不断成功的有力保证。您可以通过发送电子邮件(medfeedback@bos.blackwellpublishing.com)对本书或《蓝图双语系列丛书》中的任何一部进行评价。

感谢您乐于将个人见解与大家分享,提供建设性反馈意见以及对我们作品的支持。

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Dedication

To the students of Boston University School of Medicine and the residents and staff of the Department of Medicine at Boston Medical Center whose commitment, enthusiasm, and collegiality have created a superb learning environment.

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Preface

In 1997, the first five books in the **Blueprints** series were published as board review for medical students, interns, and residents who wanted high-yield, accurate clinical content for USMLE Steps 2 & 3. Nearly a decade later, the **Blueprints** brand has expanded into high-quality, trusted resources covering the broad range of clinical topics studied by medical students and residents during their primary, specialty, and subspecialty rotations.

The **Blueprints** were conceived as a study aid created by students, for students. In keeping with this concept, the editors of the current edition of the **Blueprints** books have recruited resident contributors to ensure that the series continues to offer the information and the approach that made the original **Blueprints** a success.

Now in their second edition, each of the five specialty **Blueprints**—**Blueprints Emergency Medicine**, **Blueprints Family Medicine**, **Blueprints Neurology**, **Blueprints Cardiology**, and **Blueprints Radiology**—have been completely revised and updated to bring you the most current treatment and management strategies. The feedback we have received from our readers has been tremendously helpful in guiding the editorial direction of the second edition. We are grateful to the hundreds of medical students and residents who have responded with in-depth comments and highly detailed observations.

Each book has been thoroughly reviewed and revised accordingly, with new features included across the series. An evidence-based resource section has been added to provide current and classic references for each chapter, and an increased number of current board-format questions with detailed explanations for correct and incorrect answer options are included in each book. All revisions to the **Blueprints** series have been made in order to offer you the most concise, comprehensive, and cost-effective information available.

Our readers report that **Blueprints** are useful for every step of their medical career—from their clerkship rotations and subinternships to a board review for USMLE Steps 2 & 3. Residents studying for USMLE Step 3 often use the books for reviewing areas that were not their specialty. Students from a wide variety of health care specialties, including those in physician assistant, nurse practitioner, and osteopathic programs, use **Blueprints** either as a course companion or to review for their licensure examinations.

However you use **Blueprints**, we hope that you find the books in the series informative and useful. Your feedback and suggestions are essential to our continued success. Please send any comments you may have about this or any book in the **Blueprints** series to medfeedback@bos.blackwellpublishing.com.

Thank you for your willingness to share your opinions, offer constructive feedback, and to support our products.

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C. J.
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缩 略 语

2D	two-dimensional	二维
3D	three-dimensional	三维
5-HIAA	5-hydroxyindoleacetic acid	5-羟吲哚乙酸
A ₂	aortic component of the second heart sound	主动脉瓣第二音
ABE	acute bacterial endocarditis	急性细菌性心内膜炎
ABI	ankle-brachial index	踝臂指数
ACE	angiotensin-converting enzyme	血管紧张素转换酶
ACE-I	ACE inhibitor	血管紧张素转换酶抑制剂
ACS	acute coronary syndrome	急性冠脉综合征
ADLs	activities of daily living	日常生活活动
ADP	adenosine 5'-diphosphate	腺苷二磷酸
AF	atrial fibrillation	心房颤动
AI	aortic insufficiency	主动脉瓣关闭不全
AIVR	accelerated idioventricular rhythm	加速性室性自主心律
AMI	acute myocardial infarction	急性心肌梗死
AP	action potential	动作电位
apo C-II	apolipoprotein C-II	载脂蛋白 C-II
AR	aortic regurgitation	主动脉瓣反流
ARB	angiotensin receptor blocker	血管紧张素受体拮抗剂
AS	aortic stenosis	主动脉瓣狭窄
ASD	atrial septal defect	房间隔缺损
ASH	asymmetric septal hypertrophy	不对称性室间隔肥厚
ASO	antistreptolysin O	抗链球菌溶血素 O
ATP III	Adult Treatment Panel III	成年人治疗指南 III
AV	aortic valve, atrioventricular	主动脉瓣, 房室的
AVNRT	atrioventricular nodal reentrant tachycardia	房室结折返性心动过速
AVRT	atrioventricular reentrant tachycardia	房室折返性心动过速
BNP	B-type natriuretic peptide	脑钠肽
BP	blood pressure	血压
BPM	beats per minute	每分钟心跳次数
BPV	biological prosthetic valve	人造生物瓣膜
BSA	body surface area	人体表面积
BUN	blood urea nitrogen	血液尿素氮
CABG	coronary artery bypass graft	冠状动脉旁路搭桥术
CAD	coronary artery disease	冠状动脉疾病
cAMP	cyclic adenosine monophosphate	环磷酸腺苷

CBC	complete blood count	全血细胞计数
CCB	calcium channel blocker	钙通道阻滞剂
CCU	coronary care unit	冠心病监护室
CEA	carotid endarterectomy	癌胚抗原
cGMP	cyclic guanosine monophosphate	环磷鸟苷
CHB	complete heart block	完全性心脏传导阻滞
CHD	coronary heart disease, congenital heart disease	冠状动脉性心脏病, 先天性心脏病
CHF	congestive heart failure	充血性心力衰竭
CI	cardiac index	心脏指数
CK	creatinine kinase	肌酸激酶
CK-MB	creatine kinase MB isoenzyme	肌酸激酶-MB 同工酶
CMP	cardiomyopathy	心肌病
CNS	central nervous system	中枢神经系统
CO	cardiac output	心排出量
COPD	chronic obstructive pulmonary disease	慢性阻塞性肺疾病
COX-2	cyclooxygenase-2	环氧化酶-2
CPET	cardiopulmonary exercise testing	心肺运动试验
CPK	creatine phosphokinase	肌酸磷酸激酶
CPR	cardiopulmonary resuscitation	心肺复苏(术)
CRP	C-reactive protein	C 反应蛋白
CSM	carotid sinus massage	颈动脉窦按摩
CSS	carotid sinus sensitivity	颈动脉窦敏感性
CT	computed tomography	电子计算机断层摄影法
CTPA	computed tomography of the pulmonary arteries with IV contrast	肺动脉增强 CT
CVA	cerebrovascular accident	脑血管意外
CVD	cerebrovascular disease	脑血管疾病
CXR	chest x-ray	胸部 X 线(检查)
DBP	diastolic blood pressure	舒张压
DC	direct current	直流电(流)
DCM	dilated cardiomyopathy	扩张性心肌病
DM	diabetes mellitus	糖尿病
DVT	deep venous thrombosis	深静脉血栓
EBCT	electron-beam computed tomography	电子束 CT
EBV	Epstein-Barr virus	非洲淋巴细胞瘤病毒(EB 病毒)
ECG	electrocardiogram	心电图
ED	emergency department	急诊科
EEG	electroencephalogram	脑电图
EF	ejection fraction	射血分数
ELISA	enzyme-linked immunosorbent assay	酶联免疫吸附试验
EMS	emergency medical services	急诊医疗
EPS	electrophysiologic study	电生理学研究
ESR	erythrocyte sedimentation rate	红细胞沉降率

ETT	exercise tolerance test	运动耐受(性)试验
FBS	fasting blood sugar	空腹血糖
GERD	gastroesophageal reflux disease	胃食管反流疾病
GI	gastrointestinal	胃肠道
GPIIb/IIIa	platelet glycoprotein IIb-IIIa inhibitor	血小板糖蛋白IIb-IIIa 抑制剂
HACEK	<i>Haemophilus parainfluenzae</i> , <i>Haemophilus aphrophilus</i> , <i>Actinobacillus actinomycetemcomitans</i> , <i>Cardiobacterium hominis</i> , <i>Eikenella corrodens</i> , and <i>Kingella kingae</i>	嗜血杆菌属 HACEK 微生物(副流感嗜血杆菌, 嗜泡沫嗜血杆菌, 放线共生放线杆菌, 人心杆菌, 埃肯菌属, 金氏菌属)
HA1c	hemoglobin A1c	血红蛋白 A1c
HB	heart block	心脏传导阻滞
HCM	hypertrophic cardiomyopathy	肥厚型心肌病
HCTZ	hydrochlorothiazide	氢氯噻嗪
HDL	high-density lipoprotein	高密度脂蛋白
HDLc	high-density-lipoprotein cholesterol	高密度脂蛋白胆固醇
HF	heart failure	心力衰竭
HIDA	hydroxyiminodiacetic acid	羟基亚氨基二乙酸
HIV	human immunodeficiency virus	人免疫缺陷病毒
HJR	hepatjugular reflux	肝颈静脉回流
HOCM	hypertrophic obstructive cardiomyopathy	肥厚型梗阻性心肌病
HR	heart rate	心(搏)率
HSM	holosystolic murmur	全收缩期杂音
HTN	hypertension	高血压
I	iodine	碘
IABP	intraaortic balloon pump	主动脉内球囊反搏
ICD	implantable cardioverter-defibrillator	植入式心脏复律除颤器
ICP	intracranial pressure	颅内压
ICS	intercostal space	肋间隙
ICU	intensive care unit	重症监护病房
IDL	intermediate-density lipoprotein	中密度脂蛋白
IE	infective endocarditis	感染性心内膜炎
IHSS	idiopathic hypertrophic subaortic stenosis	特发性肥厚性主动脉瓣下狭窄
IMI	inferior myocardial infarction	下壁心肌梗死
INR	international normalized ratio	国际标准化比率
IV NTG	intravenous nitroglycerin	静脉注射硝酸甘油
IVC	inferior vena cave	下腔静脉
IVUS	intravenous ultrasound	血管内超声
JNC-7	Seventh Report of the Joint National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure	高血压预防、诊断、评价与治疗联合委员会第七次报告
JVP	jugular venous pressure	颈静脉压
LA	left atrium	左心房
LAD	left anterior descending (artery)	左前降支
LBBB	left bundle branch block	左束支传导阻滞

LCx	left circumflex (artery)	冠状动脉左旋支
LDL	low-density lipoprotein	低密度脂蛋白
LDLc	low-density-lipoprotein cholesterol	低密度脂蛋白胆固醇
LHC	left heart catheterization	左心导管术
LMCA	left main coronary artery	冠状动脉左主干
LMWH	low-molecular-weight heparin	低分子量肝素
Lp(a)	lipoprotein (a)	脂蛋白(a)
LPL	lipoprotein lipase	脂蛋白脂肪酶
LSB	left sternal border	胸骨左缘
LV	left ventricle	左心室
LVEDP	left ventricular end-diastolic pressure	左心室舒张末期压
LVEF	left-ventricular ejection fraction	左心室射血分数
LVH	left ventricular hypertrophy	左心室肥大
LVOT	left ventricular outflow tract	左心室流出道
MAO	monoamine oxidase	单胺氧化酶
MAP	mean arterial pressure	平均动脉压
MAT	multifocal atrial tachycardia	多源性房性心动过速
METs	metabolic equivalents	代谢当量
MI	myocardial infarction	心肌梗死
MPV	mechanical prosthetic valve	人工瓣膜
MR	mitral regurgitation	磁共振
MRA	magnetic resonance angiography	磁共振血管造影术
MRI	magnetic resonance imaging	磁共振成像
MS	mitral stenosis	二尖瓣狭窄
MSC	midsystolic click	收缩中期喀喇音
MUGA	multiple gated acquisition	多门电路探测
MV	mitral valve	二尖瓣
MVA	mitral valve area	二尖瓣区
MVO ₂	myocardial oxygen demand	心肌氧耗量
MVP	mitral valve prolapse	二尖瓣脱垂
NCEP	National Cholesterol Education Program	全美胆固醇教育计划
NPV	negative predictive value	负性预测值
NSAID	nonsteroidal anti-inflammatory drug	非甾体抗炎药
NSR	normal sinus rhythm	正常窦性心律
NSTEMI	non-ST-elevation myocardial infarction	非ST段抬高型心肌梗死
NSVT	nonsustained ventricular tachycardia	非持续性室性心动过速
NVE	native valve endocarditis	自体瓣膜心内膜炎
NYHA	New York Heart Association	纽约心脏病协会
OS	opening snap	(二尖瓣)开放音, 开瓣音
P ₂	pulmonic component of the second heart sound	肺动脉瓣第二音
PA	pulmonary artery	肺动脉
PAC	premature atrial complex	房性期前收缩
PAD	peripheral arterial disease	外周动脉疾病