

Contents

Introduction	XI
Reference Tables	XIII
Credits	XVII

Part A

Practicing Medicine

CHAPTER 1

Cultural Barriers	3
The “R” Word	3
Ethnocentrism, Stereotype and Generalization	4
CULTURAL ISSUES Of Birds and Pans	5
Papa Don’t Preach!	6
Different Cultures, Different Habits	7
Folk Medicine	9
CULTURAL ISSUES Is This Sexual Harassment?	10
References	11

CHAPTER 2

Health, Disease and Death	12
Health	12
Physical Conditions	12
Disease	13
IN DETAIL Eponyms	14
■ The course of disease	15
■ Disability	16
■ Pain	16
■ Tumor	17
Death	18
REFERENCE LIST Common solid tumors	19

CHAPTER 3

The Hospital	21
Types of Hospitals	21
In-Patient Care: Nurses and Medical Staff	21
Health Personnel	22
Basic Hospital Paraphernalia	23
Basic Instrumentation	25
A Few Basic Clinical Care Procedures	26
Medical Records	27

CHAPTER 4

Emergencies, Surgery and Violence	28
Emergencies and Intensive Care	28
Anesthesia and Basic Surgical Procedures	29
Violence	31
REFERENCE LIST Basic Surgical Nomenclature	34
REFERENCE LIST Common Surgical Procedures	34
REFERENCE LIST Common Conditions Amenable to Surgical Treatment	35

CHAPTER 5

Medical Interview and Physical Examination	36
Purpose of the Medical Interview	36
Preliminary Work	36
CULTURAL ISSUES Empathic Communication	37
Sequence of the Medical Interview	38
■ Acquaintance and Preliminary Information	38
CULTURAL ISSUES What Should I Call You?	38
■ Chief Complaint Definition	40
■ Open-Ended and Close-Ended Questions	40
CULTURAL ISSUES Age	40
■ History of Present Illness (HPI)	41
■ Medical, Family and Social History	41
CULTURAL ISSUES Old Anglo-Saxon Measures	41
■ Review of Systems (ROS)	42
■ Closing the Interview, Education, and Transition to Physical Exam	42

IN DETAIL Acronyms	42
IN DETAIL Superficial Anatomy	43
Purpose of the Physical Examination	44
Instrumentation	44
Additional Preliminary Considerations	45
PE Sequence	46
Vital Signs	47
Summing Up: Assessment and Plan	48
IN DETAIL The Soap Note	48
IN DETAIL An Example of Write-Up of the Clinical History and Physical Examination	49
REFERENCE LIST Common Abbreviations in Write-Ups	51
References	51

CHAPTER 6

Therapy	52
Drugs	52
Drug Administration Routes	53
REFERENCE LIST Main Drug Groups	53
IN DETAIL Prescription Writing	54
REFERENCE LIST Abbreviations in Prescriptions	54
Drug Preparations	55
Interactions and Reactions	56
Patient-Related Issues	57
IN DETAIL Dose vs. Dosage	57
CULTURAL ISSUES ¡Brava Marta!	57

CHAPTER 7

Laboratory Medicine	58
Basic Equipment	58
Clinical Microbiology	60
Microscopy, Histopathology and Cytopathology	60
Clinical Pathology	61
IN DETAIL Units of Measure	61
IN DETAIL The Cell	63
IN DETAIL How to Write the Names of Bugs	64
REFERENCE LIST Basic Clinical Pathology Tests	64

CHAPTER 8**Radiology and Clinical Imaging** 65

Clinical Imaging	65
Nuclear Medicine	68
Radiation Therapy	68

CHAPTER 9**The Health System in the U.K. and the U.S.** 70

The Health System in the U.K.	70
The Health System in the U.S.	72
■ Obamacare and Its Aftermath	73
Foreign Medical Graduates in the U.S. and U.K.	74
References	75

Part A Self-Evaluation Test 77**Part B****Specialty Areas****CHAPTER 10****Public Health and Infectious Diseases** 81

Public Health	81
Infection Transmission	82
Sources of Infection	84
Common Features of Infection	84
Vaccines	85
IN DETAIL Celsius and Fahrenheit Temperature Scales	85
Standard Precautions	86
REFERENCE LIST Common Infectious Diseases	87

CHAPTER 11

The Cardiovascular (CV) System 88

The Heart	88
Symptoms and Diagnostic Procedures	88
Common Heart Diseases	90
IN DETAIL Lead	90
The Vascular System	92
REFERENCE LIST Common CV Conditions	93
ANATOMICAL TABLE Arteries	94
ANATOMICAL TABLE Veins	95

CHAPTER 12

The Respiratory System 96

Upper Respiratory System	96
The Lungs	98
The Pleura	99
IN DETAIL "Say Ninety-Nine"	99
REFERENCE LIST Respiratory Medicine Diseases	100

CHAPTER 13

Gastroenterology 101

Esophagus and Stomach	101
The Intestine	103
Liver and Pancreas	105
REFERENCE LIST Common Diseases of the GI Tract	106

CHAPTER 14

Endocrinology, Metabolism and Diet 107

Endocrinology	107
Food and Diet	109
IN DETAIL Food vs Foods and Additional Uncountable Nouns	110
IN DETAIL The Adult Diet: Food Composition and Quantities	111
REFERENCE LIST Main Diseases of the Endocrine System	111

CHAPTER 15

The Genitourinary (GU) System 112

Nephrology 112

Urology 114

IN DETAIL Incontinence and More 114

The male genitalia 117

REFERENCE LIST Main Diseases of the Genitourinary System 118

CHAPTER 16

Orthopedic Surgery and Rheumatology 119

Orthopedic Surgery 119

Rheumatology 121

Rehabilitation 123

IN DETAIL Anatomical Directional Terms 123**REFERENCE LIST** Common Conditions in Orthopedic Surgery and Rheumatology 125**ANATOMICAL TABLE** Joint Anatomy 125**ANATOMICAL TABLE** Anatomy of the Musculoskeletal System I 126**ANATOMICAL TABLE** Anatomy of the Musculoskeletal System II 127

CHAPTER 17

Dermatology 128

The Skin 128

Elementary Skin Lesions 129

Inflammatory lesions 132

Adnexa 133

Plastic Surgery 133

REFERENCE LIST Common Dermatological Diseases 134**REFERENCE LIST** Common Plastic Surgery Conditions and Procedures 135

CHAPTER 18

Hematology 136

Blood Coagulation 136

Anemia 137

WBC Diseases 138

Transfusion medicine 139

REFERENCE LIST Common Proliferative Disorders in Hematology	140
REFERENCE LIST Common Non-Proliferative Conditions in Hematology	140

CHAPTER 19

Psychiatry and Neurology	141
Psychiatry	141
IN DETAIL Right and Left	144
Neurology	145
REFERENCE LIST Psychiatric Conditions	149
REFERENCE LIST Neurology Conditions	149
ANATOMICAL TABLE Central Nervous System	150
ANATOMICAL TABLE Peripheral Nervous System	152

CHAPTER 20

Obstetrics & Gynecology (OB-GYN)	153
Gynecological conditions	153
Obstetrics	155
REFERENCE LIST Common OB-GYN Diseases and Procedures	157
ANATOMICAL TABLE Anatomy of the Female Genital System: Internal Organs	158
ANATOMICAL TABLE Anatomy of the Female Genital System: External Organs (Vulva)	158
ANATOMICAL TABLE Anatomy of the Fetus	159

CHAPTER 21

Pediatrics	160
Gestation	160
Newborn	160
Growth	162
Mental and Psychological Problems	163
Genetics	163
Congenital Conditions	164
REFERENCE LIST Common Conditions in the Pediatric Age	165
REFERENCE LIST Common Terms in Genetics	166

CHAPTER 22

Eye and ENT (Ear, Nose & Throat) 167

Ophthalmology	167
■ Sight and Refractive Errors	167
■ Additional Common Conditions	168
ENT (Ear, Nose & Throat)	170
■ Hearing	170
■ Nose	170
■ Throat	171
■ Speech	171
REFERENCE LIST Common Diseases of the Eye	172
REFERENCE LIST Common ENT Conditions	173
REFERENCE LIST Common Procedures in ENT	173
REFERENCE LIST Common Ophthalmology Procedures	174
ANATOMICAL TABLE Anatomy of the Ear	174
ANATOMICAL TABLE Anatomy of the Eye	175

CHAPTER 23

Dentistry 176

The Teeth	176
The Mouth	177
REFERENCE LIST Common Oral Diseases	179
REFERENCE LIST Common Dental Procedures	179
ANATOMICAL TABLE Universal Numbering System (U.S. standard notation) for permanent teeth	180
ANATOMICAL TABLE International Dental Notation (ISO, WHO) for permanent teeth	180
ANATOMICAL TABLE International Dental Notation (ISO, WHO) for deciduous teeth	181
ANATOMICAL TABLE The main components of a molar with its surrounding structures	181
ANATOMICAL TABLE The dorsal surface of the tongue	182
Part B Self-Evaluation Test	183

Appendix 185

Anatomical Tables	187
Reference Lists	188
Phonetics	189
Index	192