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Drugs You Need to Know

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PREFACE

The genesis of this text was at the Temple University School of Pharmacy as a resource for students to prepare for their “Top 200 Exam,” an exam about highly pertinent facts for frequently prescribed medications that all third professional year students must pass before beginning the fourth professional year. Before writing earlier versions of this book, faculty at Temple reviewed many texts, flash cards, and other resources but found none to be optimal references for our students’ needs. Many texts were extraordinarily detailed or did not emphasize important information clearly and concisely. For the past 10 years at Temple, we have used versions of this text, and students and faculty have found them to be very helpful resources. This publication expands on the in-house versions of this text by including review questions and including key points for each drug and drug class. Throughout the text an (*) is used to indicate the most

common uses of a drug. We hope that it will serve as a useful reference for healthcare students and professionals of various disciplines as they learn the most frequently used medications in clinical practice.

Over the past 10 years, numerous revisions of this text have been undertaken. We are indebted to the many clinicians and faculty who have assisted in developing this text to its final version. We would like to thank all of the section editors and authors and thank the following people. Without their assistance earlier versions of this text could not have been written. These individuals are (in alphabetical order): Christina Ruggia-Check, PharmD; Ina Calligaro, PharmD; Joseph Boullata, PharmD, BCNSP; Karissa Kim, PharmD, CACP; Nisha Mehta, PharmD; Olga M. Klibanov, PharmD; Patrick Scoble, PharmD; Steven Gelone, PharmD; and Tanya Knight-Klimas, PharmD, CGP, FASCP.

LIST OF ABBREVIATIONS

5-HT3	Serotonin subtype-3 receptors receptors	HGB	Hemoglobin
ACE	Angiotensin-converting enzyme	HIT	Heparin-induced thrombocytopenia
ACEI	Angiotensin-converting enzyme inhibitor	HIV	Human immunodeficiency virus
ADHD	Attention deficit hyperactivity disorder	HMG-CoA	Hydroxymethylglutaryl-coenzyme A
AIDS	Acquired immune deficiency syndrome	HPA	Hypothalamic-pituitary-adrenal axis
AIHA	Autoimmune hemolytic anemia	IBS	Irritable bowel syndrome
ALL	Acute lymphocytic leukemia	IM	Intramuscular
AML	Acute myeloid leukemia	INR	International normalized ratio
aPTT	Activated partial thromboplastin time	IOP	Intraocular pressure
ARB	Angiotensin receptor blocker	IV	Intravenous
ARDS	Acute respiratory distress syndrome	LDL	Low-density lipoprotein
BAS	Bile acid sequestrant	LFT	Liver function test
BMT	Bone marrow transplant	LMWH	Low molecular weight heparin
BPH	Benign prostatic hyperplasia	MALT	Mucosal-associated lymphoid tissue
BZD	Benzodiazepine	MAO	Monoamine oxidase
CABG	Coronary artery bypass graft	MAOI	Monoamine oxidase inhibitor
cAMP	Cyclic adenosine monophosphate	MDI	Metered-dose inhaler
CBC	Complete blood count	MI	Myocardial infarction
cGMP	Cyclic guanosine monophosphate	MOA	Mechanism of action
ClCrest	Estimated creatinine clearance	MRI	Magnetic resonance imaging
CML	Chronic myelocytic leukemia	NG tube	Nasogastric tube
CNI	Calcineurin inhibitors	NLO	Nasolacrimal occlusion
CNS	Central nervous system	NMS	Neuroleptic malignant syndrome
COPD	Chronic obstructive pulmonary disease	NNRTI	Nonnucleoside reverse transcriptase inhibitor
COX-2	Cyclooxygenase-2	NRTI	Nucleoside reverse transcriptase inhibitor
CPK	Creatinine phosphokinase	NSAID	Nonsteroidal anti-inflammatory drugs
CrCl	Creatinine clearance	NTE	Not to exceed
CRF	Chronic renal failure	NYHA	New York Heart Association
CTZ	Chemoreceptor trigger zone	OCD	Obsessive compulsive disorder
CVA	Cerebrovascular accident	OTC	Over-the-counter
CYP	Cytochrome P450	PBPC	Peripheral blood progenitor cell collection
DHA	Docosahexaenoic acid	PCI	Percutaneous coronary intervention
DIC	Disseminated intravascular coagulopathy	PCOS	Polycystic ovary syndrome
DKA	Diabetic ketoacidosis	PCP	<i>Pneumocystis carinii</i> pneumonia
DMARD	Disease-modifying antirheumatic drug	PDE5	Phosphodiesterase 5
DVT	Deep vein thrombosis	PE	Pulmonary embolism
ECG/EKG	Electrocardiogram	PI	Protease inhibitor
EPA	Eicosapentaenoic acid	PPAR α	Peroxisome proliferator activated receptors
EPS	Extrapyramidal symptoms	PPI	Proton pump inhibitor
FAP	Familial adenomatous polyposis	PTCA	Percutaneous transluminal coronary angioplasty
FDA	U.S. Food and Drug Administration	PUD	Peptic ulcer disease
GAD	Generalized anxiety disorder	RA	Rheumatoid arthritis
G-CSF	Granulocyte colony-stimulating factor	RDA	Recommended Daily Allowance
GERD	Gastroesophageal reflux disease	RLS	Restless legs syndrome
GFR	Glomerular filtration rate	SAD	Social anxiety disorder
GI	Gastrointestinal	SCN	Severe chronic neutropenia
GLP	Glucagon-like peptide	SIADH	Syndrome of inappropriate antidiuretic hormone
Hct	Hematocrit	SJS	Stevens-Johnson syndrome
HCTZ	Hydrochlorothiazide	SLE	Systemic lupus erythematosus
HDL	High-density lipoprotein		

SLL	Small lymphocytic lymphoma	TLC	Therapeutic lifestyle changes
SNRI	Selective norepinephrine reuptake inhibitor	TMJ	Temporomandibular joint
SrCr	Serum creatinine	TNF	Tumor necrosis factor
SSRI	Selective serotonin reuptake inhibitor	TPA	Tissue plasminogen activator
SUB-Q	Subcutaneous	UFH	Unfractionated heparin
TCA	Tricyclic antidepressant	ULN	Upper limits of normal
TG	Triglyceride	VLDL	Very low-density lipoprotein
TIA	Transient ischemic attack	WM	Waldenstrom macroglobulinemia

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