

TABLE OF CONTENTS

Gastrointestinal and Nutrition Care I	1
Gastrointestinal and Nutrition Care I Panel	3

Helicobacter pylori

By Adam Jackson, Pharm.D., BCACP

Introduction	7
Testing for <i>H. pylori</i>	7
Whom to Test, Whom to Treat	8
Considerations of <i>H. pylori</i> Therapy	11
Principles and Goals of Therapy	13
First-line Therapy	16
Testing After Therapy	19
Salvage Therapy	19
Conclusion	23
References	24
Self-Assessment Questions	25

Indications, Risks, and Deprescribing of Proton Pump Inhibitors

By Jennifer Pruskowski, Pharm.D., BCPS, BCGP, CPE

Introduction	29
Indications	32
Risks	37
Deprescribing PPIs	39
Conclusion	42
References	42
Self-Assessment Questions	47

Gastrointestinal and Nutrition Care II	51
Gastrointestinal and Nutrition Care II Panel	53

Cirrhosis

By Julie M. Sease, Pharm.D., FCCP, BCPS, BCACP, CDCES

Introduction	57
Key Pharmacologic Concepts in Patients with Cirrhosis	59
Current Topics: Key Medication Management Considerations in Patients with Cirrhosis	61
Prevention, Diagnosis, and Treatment of Cirrhosis-Related Complications	64
Conclusion	68
References	69
Self-Assessment Questions	71

Medication Issues After Gastrointestinal Surgery

By Erica F. Crannage, Pharm.D., FCCP, BCPS, BCACP; and Michelle Jeon, Pharm.D., BCACP

Introduction	75
Drug Absorption After GI Surgery	77
Implications for Drug Absorption	82
Role of the Pharmacist	87

Conclusion	89
References	90
Self-Assessment Questions	93

Gastrointestinal and Nutrition Care III	97
Gastrointestinal and Nutrition Care III Panel	99

Nutraceuticals

By Anne L. Hume, Pharm.D., FCCP, BCPS

Introduction	103
Overview of Key Nutraceutical Issues	104
Upper GI Disorders	106
Functional GI Disorders	109
Inflammatory Bowel Disease	112
Liver Diseases	113
GI Malignancies	114
Role of the Pharmacist	115
Conclusion	116
References	116
Self-Assessment Questions	120

Gut Microbiome and Stool-Based Testing

By Stephanie A. Flowers, Pharm.D., Ph.D.; Shubha Bhat, Pharm.D., MS, BCACP; and James C. Lee, Pharm.D., FCCP, BCACP

Introduction	125
Using the Microbiome for Diagnosis and Prognosis	127
Microbiome Applications to Pharmacotherapy	133
Conclusion and Role of the Pharmacist	137
References	138
Self-Assessment Questions	142

Gastrointestinal and Nutrition Care IV ...	147
Gastrointestinal and Nutrition Care IV Panel	149

Recorded Webcast: Biologic and Biosimilar Drug Therapies in IBD

By Brian A. Hemstreet, Pharm.D., FCCP, BCPS

Recorded Webcast: Biologic and Biosimilar Drug Therapies in IBD	153
Hyperlink to Activity	153
References	154
Self-Assessment Questions	156

Interactive Case: Hepatitis B Virus Infection

By Paulina Deming, Pharm.D., PhC

Interactive Case: Hepatitis B Virus Infection	159
Hyperlink to Activity	159
References	160
Self-Assessment Questions	161