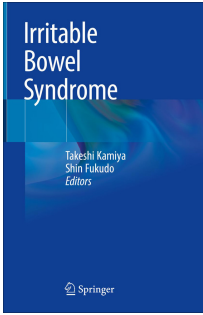


IRRITABLE BOWEL SYNDROME

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DESCRIPTION:

This edited book brings together 5 general themes of irritable bowel syndrome (IBS), presenting the latest information on the epidemiology, pathophysiology, diagnosis, treatment and a number of current topics. IBS is a functional bowel disorder associated with chronic abdominal pain and altered bowel habits without identifiable organic etiology, however, to date there is no known, agreed-upon disease mechanism.

This book offers insights into the various factors potentially contributing to the symptoms, and provides data on the various globally recognized strategies, including novel pharmacological treatment agents. It also discusses geographical differences and region-specific factors such as medical systems, life styles, dietary habits, gut microbiota, social stress, and genetics. The book promotes further exploration of the disease by offering a comprehensive bibliography for each chapter. It is a valuable and thought-provoking resource for clinicians, researchers, residents and PIs who are interested in the latest basic and clinical research on IBS.

CONTENTS:

Etiology

Definition of Irritable Bowel Syndrome
The Epidemiology of Irritable Bowel Syndrome

Pathophysiology

Neurogastroenterology: Brain-Gut Axis, Stress, and Psychological Factors
The Role of Brain Orexin in the Regulation of Gastrointestinal Functions such as Intestinal Motility, Visceral Sensation, and Intestinal Barrier Function
The Role of Microbiota in the Pathophysiology of Irritable Bowel Syndrome
Mucosal Inflammation and Visceral Hypersensitivity in Irritable Bowel Syndrome
Genetic Factors

Diagnosis

Diagnostic Algorithm for IBS
Differential Diagnosis
Comorbidities

Treatment

Pharmacotherapy for IBS-D
Pharmacotherapy for Irritable Bowel Syndrome with Constipation
GI Motility Modifier, Bulking Polymer, and Herbal Medicine
Antidepressant, Anxiolytics, and Psychotherapy
Diet and Behavioral Modification for Irritable Bowel Syndrome in Japan

Treatment

Probiotics and Antibiotics

Recent Special

Fecal Microbiota Transplantation for Treatment of Irritable Bowel Syndrome
Clinical Study Design and Evaluation of the Efficacy in the Treatment
Future Direction of Research and Treatment Possibility for Irritable Bowel Syndrome