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**Management of Morbid Obesity** Harvey J. Sugerman 2005-09-29 Edited by world-renowned bariatric surgeons, this comprehensive reference provides a clear overview of multidisciplinary approaches to bariatric surgery and clearly details the techniques and outcomes of commonly performed bariatric operations, potential complications associated with bariatric surgery, and practices in long-term follow-up and nutri

**Obesity and Obstetrics** Tahir A. Mahmood 2020-06-06 Obesity and Obstetrics, Second Edition, brings together experts to examine the issues and challenges of obesity and obstetrics, also discussing how obesity affects fertility, reproduction and pregnancy. Beginning with the worldwide epidemic of obesity, chapters then go on to review obesity and hyperglycemia of pregnancy, management of labor, interventions to improve care during pregnancy, and long-term impact of maternal obesity. Provides an essential reference on the significant risk of complications during pregnancy, including early pregnancy loss, recurrent miscarriage and fetal developmental abnormalities Builds foundational knowledge on how maternal obesity predisposes offspring to obesity, highlighting that the prevention of childhood obesity begins during pregnancy Assembles critically evaluated chapters focused on obesity and obstetrics to meet the practical needs of obstetricians, endocrinologists and general practitioners

**Oesophago-gastric Surgery E-Book** S. Michael Griffin 2013-06-22 Oesophago-gastric Surgery meets the needs of surgeons in higher training and practising consultants for a contemporary and evidence-based account of this sub-specialty that is relevant to their general surgical practice. It is a practical reference source incorporating the most current information on recent developments, management issues and operative procedures. The text is thoroughly referenced and supported by evidence-based recommendations wherever possible, distinguishing between strong evidence to support a conclusion, and evidence suggesting that a recommendation can be reached on the balance of probabilities. This is a title in the Companion to Specialist Surgical Practice series whose eight volumes are an established and highly regarded source of information for the specialist general surgeon. The Companion to Specialist Surgical Practice series provides a current and concise summary of the key topics within each major surgical sub-specialty. Each volume highlights evidence-based practice both in the text and within the extensive list of references at the end of every chapter. An expanded authorship team across the series includes additional European and World experts with an increased emphasis on global practice. The contents of the series have been extensively revised in line with recently published evidence. This revised edition takes full account of the advances in the roles of endoscopic and laparoscopic investigation, management and the treatment of benign and malignant oesophago-gastric disease. Key areas of evolving oesophago-gastric practice are reflected in state of the art chapters from authors in the United States, Japan and Australia. Over half of the chapters have been updated to reflect the latest opinions on complicated and rapidly changing disciplines in endoscopic and open surgery

**Technobiophilia** Sue Thomas 2013-09-26 Why are there so many nature metaphors - clouds, rivers, streams, viruses, and bugs - in the language of the internet? Why do we adorn our screens with exotic images of forests, waterfalls, animals and beaches? In Technobiophilia: Nature and Cyberspace, Sue Thomas interrogates the prevalence online of nature-derived metaphors and imagery and comes to a surprising conclusion. The root of this trend, she believes, lies in biophilia, defined by biologist E.O. Wilson as 'the innate attraction to life and lifelike processes'. In this wide-ranging transdisciplinary study she explores the strong thread of biophilia which runs through our online lives, a phenomenon she calls 'technobiophilia', or, the 'innate attraction to life and lifelike processes as they appear in technology'. The restorative qualities of biophilia can alleviate mental fatigue and enhance our capacity for directed attention, soothing our connected minds and easing our relationship with computers. Technobiophilia: Nature and Cyberspace offers new insights on what is commonly known as 'work-life balance'. It explores ways to make our peace with technology-induced anxiety and achieve a 'tech-nature balance' through practical experiments designed to enhance our digital lives indoors, outdoors, and online. The book draws on a long history of literature on nature and technology and breaks new ground as the first to link the two. Its accessible style will attract the general reader, whilst the clear definition of key terms and concepts throughout should appeal to undergraduates and postgraduates of new media and communication studies, internet studies, environmental psychology, and human-computer interaction. www.technobiophilia.com

**Nutrition, Weight, and Digestive Health** Carolyn Newberry 2022-04-23 This book serves as a definitive nutritional reference for medical practitioners who care for patients with digestive diseases. This first-of-its-kind title explores the critical link between nutrition and weight and digestive health and organizes the necessary information for easy use for clinicians across specialties. The book is divided into four sections; the first section outlines basic nutritional concepts that lay a foundation for future chapters. This includes discussion of the gastrointestinal tract's role in digestion and metabolism, an outline of dietary composition and associated deficiencies, and a review of nutritional assessment and general therapeutic principles. Next, the second section outlines dietary and nutritional implications of specific digestive diseases organized by affected gastrointestinal organs. Following this, the third section discusses appetite regulation, weight management, and obesity's association with gastrointestinal diseases. It also discusses the importance of comprehensive, multi-disciplinary obesity care including a review of dietary, pharmacological, endoscopic, and surgical options that promote weight loss. In concluding the book, the fourth section discusses foundational nutritional support concepts. Nutrition, Weight, and Digestive Health is an invaluable reference for medical practitioners seeking a title that explores important and revolutionary elements to the medical care of those with digestive diseases.

**Laparoscopic Sleeve Gastrectomy** Salman Al-Sabah 2021-01-04 This book provides a complete guide to laparoscopic sleeve gastrectomy and the management of obesity. The chapters discuss guidelines for healthcare providers for the management of patients with obesity, the rationale behind choosing patients, performing the procedure in line with the patient's condition, the perioperative period, postoperative requirements, and postoperative complications. This book aims to give readers an understanding of the surgical techniques involved in laparoscopic sleeve gastrectomy and the wider treatment options available. It is relevant to bariatric, metabolic, and general surgeons, physicians, clinical nutritionists as well as students.

**Psychosocial Assessment and Treatment of Bariatric Surgery Patients** James E. Mitchell 2012-04-27 Bariatric surgery plays an important role in the treatment of obesity; in this comprehensive resource the worldwide leaders of the field provide the most up-to-date information on the psychosocial issues that affect their patients. Included is an overview and history of surgical procedures, complete with illustrations, practical advice on topics such as physical activity and nutritional care after surgery, and essential information that allows clinicians to assist their clients as much as possible; for example, how pre-weight loss surgery psychosocial evaluations can serve as clinical interventions in their own right, and how structured interviews and questionnaires can be used in multiple contexts such as screening, treatment planning, and prognostic assessment. A distinctive chapter includes an overview of the special issues present in treating adolescents, who increasingly are the target of bariatric surgery procedures. This book is an essential reference for clinicians from the evaluation through the follow-up and aftercare of bariatric surgery patients.

**The ASMBS Textbook of Bariatric Surgery** Ninh T. Nguyen 2014-09-17 Developed by the American Society for Metabolic and Bariatric Surgery (ASMBS), The ASMBS Textbook of Bariatric Surgery provides a comprehensive guide of information dealing with the ever evolving field of bariatric surgery. Volume I: Bariatric Surgery covers the basic considerations for bariatric surgery, the currently accepted procedures, outcomes of bariatric surgery including long-term weight loss, improvement and resolution of comorbidities and improvement in quality of life. A section focuses on revisional bariatric surgery and new innovative endoscopic bariatric procedures. Other special emphasis given to the topics of metabolic surgery and surgery for patients with lower BMI (30-35). Volume II: Integrated Health is divided into 3 sections: bariatric medicine, psychosocial and nutritional aspects of bariatric surgery. The first section deals with the psychosocial issues associated with morbid obesity. The second section deals with the role of bariatric physicians in preoperative and postoperative support of the bariatric patients. The nutritional section discusses the preoperative and postoperative nutritional support for the bariatric patient. The ASMBS Textbook of Bariatric Surgery will be of great value to surgeons, residents and fellows, bariatric physicians, psychologists, psychiatrists and integrated health members that manage the morbidly obese.

**Recent Advances in Minimal Access Surgery - 2** Subhash Khanna 2020-04-30 Minimal access surgery is completed with one or more small incisions instead of a large incision. The surgeon passes a telescope with a video camera through a small incision into a body cavity. The surgeon then views the surgery on a TV monitor. Minimally invasive surgery offers patients several benefits such as smaller incisions, faster recovery times, reduced pain and scarring. In many cases, minimally invasive surgery also offers a higher accuracy rate compared to traditional open surgery. Part of the Recent Advances series, this volume is a comprehensive guide to the latest advances in minimal access surgery. Divided into 18 sections, the book covers minimal access surgery for many conditions, predominantly different types of cancer such as rectal carcinoma, biliary cancer, neuroendocrine tumours, cancer of the oesophagus, and gastric cancer. Other topics include rectal prolapse, gastric bypass, super obesity and weight-loss surgery, and novel diagnostics for small bowel disease. The highly illustrated text features more than 160 clinical photographs and figures to assist learning. Key points Second volume in Recent Advances in Minimal Access Surgery series Covers surgical procedures for a multitude of cancers and other disorders Highly illustrated with more than 160 clinical photographs and figures Volume 1 (9789352709830) published in 2019

**The Controller's Function** Steven M. Bragg 2011-01-11 The go-to resource managerial accountants can turn to for sustaining their company's competitive advantage From flex budgeting to detailing the more sophisticated skills like throughput analysis for capital investments and the fast close for public companies, The Controller's Function, Fourth Edition offers numerous real-world examples, expertly balancing both the technical and managerial sides of the job. Provides an overview of the functions and responsibilities of the controller/management accountant in a corporation Explores how controllers can better perform their jobs Offers a solid foundation for those who are new to this area Comprehensive and practical, this book fully defines the role, functions and responsibilities of the managerial accountant in a corporation.

**Minimally Invasive Bariatric Surgery** Stacy A. Brethauer 2015-03-03 The second edition of Minimally Invasive Bariatric Surgery provides a comprehensive, state-of-the-art review of this field, and it serves as a valuable resource for clinicians, surgeons and researchers with an interest in minimally invasive bariatric surgery. Additionally, the second edition includes new features that will benefit the resident, fellow, or bariatric surgeon new to the field. Specifically, each evidence-based chapter (i.e. outcomes, complications, epidemiology, etc) concludes with three or four exam questions that emphasize the salient points of the chapter and provide fellowship programs a valuable training tool and resource for their academic curriculum. These questions are either single-answer multiple choice or true/false format and the correct response with a brief explanation follows. As more emphasis is placed on completing a comprehensive curriculum and obtaining certification for bariatric training, this aspect of the book is unique and provides added value to the text. The new edition also incorporates many new or updated medical illustrations to enhance the technique chapters and provide more uniformity for the artwork throughout the book. Each of the major procedures include surgical technique, outcomes, and management of complications in separate chapters to provide an easy reference for the busy clinician preparing for a case or presentation. Another unique feature of the text is a link to video files hosted online for the relevant chapters. This video library will be of great value to the user. As the number of fellowships in laparoscopic bariatric surgery continues to increase, this updated text will provide a valuable resource for general and bariatric surgeons, laparoscopic surgeons, fellows, residents, medical students, obesity researchers, and industry representatives involved in this field.

**Essentials of Mini – One Anastomosis Gastric Bypass** Mervyn Deitel 2018-05-15 This book indicates the technique and fine points of the mini- and one-anastomosis gastric bypass, and looks at the means of revising other operations related to it. The chapters discuss postoperative complications, treatment and requirements, postoperative diet and medications, the remarkable effects on the co-morbidities of morbid obesity, and the durability of the weight loss, as well as the improvement in the quality of life. Essentials of Mini – One Anastomosis Gastric Bypass aims to help surgeons manage the difficulties encountered within this procedure and to help create improved practice.

**Bariatric Therapy** Elisabeth M.H. Mathus-Vliegen 2018-11-27 This book aims to deepen collaboration between gastroenterologists and surgeons by providing endoscopists and gastroenterologists with a clear understanding of the anatomic alterations likely to be observed after bariatric surgery and acquainting bariatric surgeons with the possibilities offered by endoscopic treatment of obesity itself and of the complications associated with bariatric surgery. The treatment approach in patients with obesity and morbid obesity is usually stepwise, starting with dietary measures, exercise, and behavioral therapy, followed by pharmacological therapies, endoscopic bariatric therapy, and, finally, bariatric surgery. Endoscopists and gastroenterologists are involved first because the gastrointestinal tract is affected by obesity-related co-morbidity and second because it provides access for a range of treatment modalities involving endoscopy. Bariatric surgeons may need the assistance of endoscopists and gastroenterologists in the preoperative work-up of patients, in the perioperative period, when acute complications may require an endoscopic intervention, or in the late follow-up period, when complications or insufficient weight loss may be present. This book will be of value for both groups of specialists, enabling them to optimize their cooperation to the benefit of

patients.

**Bariatric and Metabolic Surgery** Seung Ho Choi 2014-02-21 Bariatric and Metabolic Surgery is recognized to be an important and effective option for the treatment of severe obesity and the various associated conditions and diseases. This book presents state of the art knowledge on such surgery with the aim of facilitating the sharing and exchange of knowledge, documenting effective techniques, and enhancing safety and outcomes. All technical aspects are covered in detail, and the text is complemented by many helpful illustrations. A further key feature is the provision of accompanying surgical videos, which will be of value to both novice and experienced surgeons. This textbook will be a great asset in clinical practice for all who are involved or interested in bariatric and metabolic surgery.

**Quality in Obesity Treatment** John M. Morton 2019-10-15 This book reviews quality definition, measurement, improvement, value, and accountability for obesity management. The interplay between quality, cost, access and satisfaction is fully depicted with a goal toward not only fulfilling current standards but also anticipating future needs. A thorough inventory of current best practices in all aspects of obesity care is cataloged with a gap analysis also employed for potential areas of improvement to be road mapped. All chapters are written by experts in their fields and include the most up-to-date scientific and clinical information, take home messages, and questions towards following the requirements of quality certification in obesity management. Quality in Obesity Treatment provides a comprehensive, contemporary review of this field and serves as a valuable resource for Bariatric Surgeons, Primary Care Physicians, Policy Makers, Insurance Administrators, Bariatricians, and any medical specialty interested in obesity quality management with likely candidates coming from GI, endocrinology, cardiology, sleep medicine and orthopedics.

**Politically Impossible** W. H. Hutt 1971

**Weight Bias** Kelly D. Brownell 2005-08-24 Discrimination based on body shape and size remains commonplace in today's society. This important volume explores the nature, causes, and consequences of weight bias and presents a range of approaches to combat it. Leading psychologists, health professionals, attorneys, and advocates cover such critical topics as the barriers facing obese adults and children in health care, work, and school settings; how to conceptualize and measure weight-related stigmatization; theories on how stigma develops; the impact on self-esteem and health, quite apart from the physiological effects of obesity; and strategies for reducing prejudice and bringing about systemic change.

**Global Bariatric Surgery** Rami Lutfi 2018-09-07 This text captures the global standards of bariatric surgery practice at a time of change, excitement, and lots of controversy. The text sheds the light on best practices globally by providing a reliable reference to guide the practicing physician anywhere in the world, and from whatever specialty (surgeon, gastroenterologist or endoscopist) to navigate through the many current options of therapy in this rapidly changing field. The text provides high definition illustrations of these techniques to go with the didactic chapters written by the thought leaders in the field. In addition to the technical part, an important part of the book focuses on quality and outcome measures. The rapid growth and innovations impose the need for strict guidelines and quality control. Thought leaders who created the concept of "Centers of Excellence" shed light on outcome measures and different ways to monitor quality. This will appeal to administrators and different ancillary service providers. The medical section plays a major role as combination therapy seems to be the future. An entire section is dedicated to medical weight management with discussions of the dietary and psychological component of care. The text also provides a dedicated discussion of the metabolic aspect of bariatric surgery, cosmetic surgery and issues of training future surgeons. These features differentiate the book from others that only discuss the surgical component, and will broaden the level of interest to all who are involved in the management of this complex disease.

**Prevention and Management of Complications in Bariatric Surgery** Tomasz G. Rogula 2018-05-30 As bariatric procedures become more commonplace, the safety and quality of bariatric surgery continues to rise. Risk factors remain inconsistent from hospital to hospital and procedure to procedure, however, highlighting the necessity for comprehensive education on the prevention and management of their resulting complications. In response to this need, Prevention and Management of Complications in Bariatric Surgery is the first book to compile the most up-to-date prevention and management strategies in this field. Edited by leading experts, it provides sound recommendations for collecting, monitoring, and analyzing outcomes, with an emphasis on quality and process improvement. Its scope is tremendously comprehensive, covering everything from common complications, such as leaks, bleeding, wound infections, and venous thromboembolism; to rare-but-deadly complications, such as Wernicke's encephalopathy and rhabdomyolysis as well as the emergency management of various life-threatening complications, including internal hernia, gastric necrosis from banding, pulmonary embolus, and bleeding. Readers also learn about early-day, late-day, and intraoperative complications, for which the authors provide evidence-based recommendations for swift and accurate diagnosis, preventive strategies, and best practices in medical and surgical management. Comprehensive and accessible, this book is a valuable resource for bariatric surgeons and surgical trainees, physicians, and nurses who participate in the perioperative care of the bariatric patient.

**Management of Nutritional and Metabolic Complications of Bariatric Surgery** Aparna Govil Bhasker 2021-04-21 This book covers the management of various metabolic, nutritional and hormonal complications that arise after bariatric surgery. Until now bariatric surgeons have focused on mastering the surgical technique and reducing surgical complications. A number of metabolic and nutritional complications in the post-surgical phase can remain undiagnosed or unreported with a potential for irreversible morbidity. The book is edited by a team of experienced surgeons and bariatric nutritionists to provide a balanced perspective on the subject. It includes chapters on the prevention and subsequent diagnosis and management of these complications early in the course and explaining each complication with one or more suitable case reports. This book is relevant for practicing as well as aspiring bariatric surgeons, nutritionists/dieticians and bariatric physicians.

**Contraception in women with obesity with special reference to gastric bypass surgery** Charlotte Ginstman 2019-05-02

**Background:** The prevalence of obesity is increasing worldwide. The treatment of morbid obesity is dominated by bariatric surgery, for example Roux-en-Y gastric bypass (RYGB) surgery. If other contraceptive options are available, women with obesity should not be prescribed combined hormonal contraceptives due to the obesity-related increased risk of venous thromboembolism. Women are advised not to become pregnant during the first 12-18 months after RYGB surgery. There is a lack of knowledge of what type of contraceptive methods women with obesity are prescribed and whether they experience more or different side effects compared to normal-weight women. It is not known if the absorption and pharmacokinetic profile of progestins are affected by RYGB. The aim of this thesis was to investigate the pattern of contraceptive use in women with obesity, what type of contraceptive counselling was given to women in relation to RYGB, and whether the pharmacokinetics of two different progestins were affected by RYGB surgery. **Material and Methods:** Paper I is a retrospective cohort study analysing the patterns of contraceptive prescription, adverse effects, duration of treatment, reasons for discontinuation and bleeding pattern in 371 women with obesity compared with 744 normal-weight women. Medical records were scrutinised from 1 Jan 2010 until 31 Dec 2014. Paper II is based on a questionnaire sent to 987 women who had undergone RYGB during 2010. The questionnaire concerned preoperative and present contraceptive use, contraceptive counselling in relation to surgery and what type of recommendations they had received regarding pregnancy after RYGB. Papers III and IV are experimental studies investigating the pharmacokinetics of desogestrel (etonogestrel) and levonorgestrel in relation to RYGB. **Results and conclusions:** The most commonly prescribed contraceptive method for women with obesity was the progestin-only pill but many women with obesity were prescribed combined hormonal contraceptives despite the current recommendations of cautious prescription of oestrogen-containing methods. There were no differences in adherence to contraceptive method between women with obesity and normal-weight women. Despite the uncertainties regarding absorption, almost 10 % of women continued using oral contraceptives after RYGB. Nearly 40% were not aware of the recommendation to avoid pregnancy in the first year after RYGB and almost one third did not use any contraception during this period. This could be due to a lack of information or that the women did not retain the given information to avoid pregnancy. We found no clinically significant differences in the steady state pharmacokinetics of desogestrel before compared with after RYGB, or in single dose pharmacokinetics of levonorgestrel in women with BMI< 30 having undergone RYGB compared with BMI-matched non-operated women. This suggests that oral contraceptives containing desogestrel and levonorgestrel might be used after RYGB surgery.

**The Perfect Sleeve Gastrectomy** Michel Gagner 2020-05-06 Sleeve gastrectomy (SG) is the most common bariatric procedure performed worldwide, more than 55% of bariatric procedures are sleeve gastrectomies. This title will be comprehensive and detail all the approaches used in performing sleeve gastrectomy, offering readers all the tools needed to perform the perfect SG. Obesity has become a major global problem that continues to spread in both developed and developing countries. It costs more than any other health problem due to its prevalence and its many costly complications such diabetes and heart disease as well as in disability and loss of productivity. While prevention of obesity is the best approach for the future, the current problem lies with managing those who are already obese or morbidly obese who constitute close to two thirds of the population in many countries such as the US, Diet, exercise, and behavioral change are the mainstays for any meaningful attempt for significant and durable weight loss. Unfortunately, for those who are morbidly obese, these measures alone almost consistently fail to achieve acceptable weight loss in the long term. Today, bariatric surgery is the only evidence-based treatment for morbid obesity with a low complication rate and acceptable results in the long-term for both weight loss and resolution of comorbidities. Despite the data, the acceptance of these operations was limited due to fear of what was perceived as major surgery. Today, applying minimally invasive technology to these complex operations made them more acceptable to patients due to decreased pain, faster recovery and fewer overall complications. This, in addition to improved outcomes as we went further along the learning curve, has made these operations more common and helped growing the field to be an independent specialty for surgeons and perhaps a new specialty for gastroenterologist. In these exciting times, the 5 international editors (one of them, Michel Gagner, is the creator of the SG) wanted to capture the global standards of practice at a time of change, excitement, and lots of controversy, regarding this common procedure. We an aim to shed light on best practices across the borders, the intention of this volume is to develop a reliable reference to guide the practicing physician anywhere in the world, and from whatever specialty (surgeon, gastroenterologist or endoscopist) to navigate through the many current options of therapy in this rapidly changing field. We also aim to provide high quality illustrations and high-definition videos of these techniques to go with the didactic chapters written by thought leaders. In this book we will focus first on the clinical problems of the patients and the indications for the sleeve. Regarding the technical aspects, we will describe the technique step-by-step (including videos) and also we will detail the staplers, its size and different colors -- and the different sizes of the bougies, and also special description of the reinforcement of the sutures after the sleeve. We know that mainly the SG has a restrictive function, but we will also describe the metabolic effects of this surgery. Then we will describe the nontraditional SG techniques, such as the endoscopic approach, staples sleeve and robotic technologies. Bariatric surgery has very few rates of complications, but when complications happen, they are severe. Thus we will describe how to identify them immediately and also the different approaches to treat them by endoscopy, laparoscopy and percutaneous image guided surgery. A chapter will also cover revisional surgery and the different revisional procedures, not only from sleeve to other procedures but also from other procedures to SG. For the last section, we will include the lessons learned from almost 20 years now since the SG was first described, providing an overview on how we imagine the future will be for the most common bariatric procedure performed worldwide. This title will be an ideal reference for general surgeons, bariatric surgeons, endoscopists and gastroenterologists with interest in obesity management as well as researchers with interest in obesity. Residents and fellows training in general and bariatric surgery as well as in endoscopy. Dietitians, diabetes specialist, psychotherapists with interest in obesity management as well as hospital administrators and quality officers in hospitals with bariatric practices will also benefit by this book.

**How to Measure Training Results** Jack J. Phillips 2002-02-22 How to Measure Training Results presents practical tools for collecting and measuring six types of data critical to an overall evaluation of training. This timely resource: Includes dozens of reproducible tools and processes for training evaluation Shows how to measure both financial and intangible/non-financial results

**The ASMBS Textbook of Bariatric Surgery** Ninh T. Nguyen 2019-10-16 [The fully updated 2nd edition of this textbook continues to serve as a comprehensive guide for information dealing with the ever-evolving field of bariatric surgery. The chapters are written by experts in the field and include the most up-to-date information, including new sections on quality in bariatric surgery, endoscopic surgery, and management of bariatric complications. This new edition continues to cover the basic considerations for bariatric surgery, the currently accepted procedures, outcomes of bariatric surgery including long-term weight loss, improvement and resolution of comorbidities, and improvement in quality of life. Other special emphasis is given to the topics of metabolic surgery and surgery for patients with lower BMI. In addition, new endoscopic bariatric procedures including the gastric balloons, endoscopic revisional procedures, and newer pharmacotherapy for obesity are reviewed. The ASMBS Textbook of Bariatric Surgery Second Edition will continue to be a leading source of scientific information for surgeons, physicians, residents, students, and integrated health members today and for years to come.

**Novelties in Diabetes** C. Stettler 2016-01-27 The field of diabetes mellitus research is currently characterized by

rapid and remarkable growth that has led to the development of significant diagnostic and therapeutic advances. This is very important given the fact that the frequency of the disease continues to increase at alarming rates worldwide. This new volume is a comprehensive overview of the contemporary state of the art in the field. Experts shed light on a broad range of relevant aspects, from genetic background to topics related to diabetic complications such as diabetic retinopathy or diabetic nephropathy. This is expanded upon through papers reporting on the present state of diabetes in pregnancy and on the relationship between diabetes and cancer. There is also an inventory of currently used therapeutic tools and a review of novel therapeutic approaches like incretin-based therapies or sodium-glucose transporter-2 inhibitors. Additionally, the latest technological developments such as enhanced features for blood glucose meter or continuous and implantable glucose monitoring devices are included. Providing a concise but comprehensive update, this book will be essential to every clinician involved in the treatment of diabetes mellitus.

**Pathophysiology of Obesity-Induced Health Complications** Paramjit S. Tappia 2020-01-17 [According to the World Health Organization, the epidemic of global obesity has nearly tripled since 1975. In 2016, more than 1.9 billion adults were overweight, over 650 million of which were obese. Being overweight and obese has been linked to a number of non-communicable, chronic diseases. Pathophysiology of Obesity-Induced Health Complications is a compilation of review articles dedicated to describe co-morbidities associated with obesity. The wide range that is covered is of significant interest to basic research scientists, clinicians and graduate students who are engaged in studying obesity-induced health complications. Furthermore, this book highlights the potential of novel approaches for the prevention and treatment of obesity and its related illnesses. Nineteen articles in this book are organized in four sections that are designed to provide an overview of obesity-induced health complications. The first section serves as an introductory section on the prevalence, causes, consequences, treatments and preventive approaches for obesity. Section two covers the metabolic disturbances and inflammation due to obesity. The third section is focused on neurological and visceral complications as a consequence of obesity. The final section covers strategies for the prevention of obesity-induced complications. The book illustrates that obesity can result in a diverse range of pathophysiological conditions that adversely affect health.

**The SAGES Manual of Bariatric Surgery** Kevin M. Reavis 2018-04-04 Morbid obesity is an epidemic as more than 2/3 of the United States population is obese and as such, has a high burden of weight-related co-morbid diseases. Bariatric surgery has proven to be effective and durable for treatment of severe obesity. Technological advances including applications of laparoscopy and endoluminal techniques have rapidly advanced this field. Data and outcomes examining treatments have also improved and as providers, we have a wide spectrum of therapeutic options to treat patients. As techniques and outcomes have evolved, access to a comprehensive yet focused resource regarding bariatric surgery is currently limited. The proposed textbook is designed to present a comprehensive and state-of-the-art approach to the current and future status of Bariatric interventions, which has changed significantly since the first edition of the Manual. Updates in this version will include the rapidly expanding field of endoluminal bariatric procedures, with a focus on new devices and theories of mechanisms. New data regarding laparoscopic approaches to treat obesity, as well as improved longer-term data outcomes will be reviewed. Newer surgical approaches to treat metabolic disease and obesity are included, as well as proposed mechanisms of action and efficacy. Additional new sections include sections on the application of robotic technologies, special circumstances including transplantation and pregnancy, and telemedicine and social media in bariatric surgery. Sections will address the evolution in specific treatments available to patients, initial evaluation and selection of procedures for individual patients, the latest surgical and endoscopic techniques being employed to treat patients including data on outcomes, and future directions for therapy. In particular and unique amongst references, a major focus of this text will be on both the bariatric and metabolic bases of the therapies and outcomes. The SAGES Manual A Practical Guide to Bariatric Surgery, Second Edition aligns with the new SAGES UNIVERSITY MASTERS Program. The Manual supplements the Bariatric Surgery Pathway from Competency to Proficiency to Mastery. Whether it's for Biliary, Hernia, Colon, Foregut or Bariatric, the key technical steps for the anchoring bariatric procedures are highlighted in detail as well as what the reader needs to know to successfully submit a video clip to the SAGES Facebook Channels for technical feedback. Readers will also learn about how to count credits for Bariatric from the other Master Program Series, Guidelines, Top 21 Videos, Pearls, FLS, FES, FUSE, SMART and Annual SAGES Meeting. The Masters Program promotes lifelong deliberate learning.

**Obesity, Bariatric and Metabolic Surgery** Sanjay Agrawal 2015-09-04 Written by leading experts from all across the globe, this comprehensive yet concise textbook offers up-to-date summary in the field of Obesity and its Surgical Management for a wide range of healthcare professionals involved within a Bariatric Multidisciplinary Team including Surgeons, Dietitians, Metabolic Physicians, Anaesthesiologists, Psychologists, Psychiatrists, Radiologists and Nursing staff. The book also serves as a reference manual for General Physicians, General Surgeons & General Practitioners.

**Metabolic Surgery** Henry Buchwald 1978

**Obesity and the Kidney** Gunter Wolf 2006 We are currently facing an alarming obesity epidemic, with its well-known health consequences such as metabolic syndrome / type 2 diabetes, cardiovascular diseases, an increased incidence of certain types of cancer, musculoskeletal disorders and pulmonary diseases. Experimental and clinical evidence accumulated in recent years now suggests that obesity has also a major effect on renal structure and function. Since the adipocyte is considered a source of many hormones and cytokines, obesity has much more direct influences on renal function besides mediating hypertension: It can by itself induce renal disease such as focal segmental glomerulosclerosis, but also, more commonly, bring about progression of chronic renal diseases. The present volume is the first comprehensive compilation dedicated to this important topic, featuring discussions of pathophysiological as well as clinical aspects written by the leaders in this emerging field of research. It brings together pathophysiological concepts on how obesity influences renal structure and function, reviews the epidemiology of the problem and provides therapeutic suggestions. This publication is recommended for internists, nephrologists, hypertensiologists, cardiologists, and urologists treating patients with obesity and renal diseases. Furthermore, basic scientists such as renal physiologists, renal pathologists, pharmacologists, biochemists, and epidemiologists who want a comprehensive overview of the topic will also profit from this book.

**Bariatric Psychology and Psychiatry** Alfonso Troisi 2020-05-07 This book offers a step-by-step guide to mental health assessment for bariatric surgery patients. A general introduction explains the concepts of bariatric psychology and psychiatry, their relevance in contemporary bariatric surgery, and reasons to include psychologists and psychiatrists in multidisciplinary teams taking care of bariatric patients. The following four chapters address the aspects of mental health that are investigated by bariatric psychology. The psychological processes analyzed here play a major role in influencing patients' perception of the outcomes of bariatric surgery and in determining their commitment to lifestyle changes and follow-up programs. The second part of the book includes nine chapters addressing the clinical conditions relevant to bariatric psychiatry. For each condition, the major focus is on the impact of psychopathology on bariatric surgery outcomes (weight loss, weight regain, quality of life) and the impact of surgery on its course (remission, worsening, de novo onset). Each chapter in this part includes a discussion of the diagnostic instruments (i.e., structured interviews, clinician-rated tests, and patient-rated tests) that should be used to obtain a valid assessment of the patient's mental status. Separate chapters focus on psychiatric complications (e.g., suicide and addiction transfer) and psychological problems related to quality of life (e.g., body image dissatisfaction) that may emerge postoperatively. Data on these postsurgery conditions has been reported only recently and, therefore, no published book deals with them. The final chapter offers an overview of unsolved issues in bariatric psychology and psychiatry and reviews emerging research findings that are likely to change assessment and care of bariatric patients' mental health in the near future. Given its scope—and its wealth of tables, diagrams, mnemonics, and key fact boxes—the book will be

an invaluable reference tool for clinicians.

**Allgemein- und Viszeralchirurgie II - Spezielle operative Techniken** B. Michael Ghadimi 2022-02-15 Aus dem Inhalt von Band II: Endokrine und gastrointestinale Chirurgie inkl. Adipositaschirurgie Kolorektale, hepatobiliäre und Pankreaschirurgie Transplantationschirurgie, Thorax- und Gefäßchirurgie Neu in der 4. Auflage: Weichteilsarkome Robotische Verfahren Fast-Track/ERAS-Konzept bei kolorektaler Chirurgie Chirurgische Palliativmaßnahmen beim Kolonkarzinom ABO-inkompatible Nierenlebenspende Allgemein- und Viszeralchirurgie I und II zusammen geben Ihnen eine komplette Übersicht über Krankheitsbilder, Diagnostik, Operationsindikationen, Techniken von Basisoperationen und Zugängen, möglichen Fehlern, Maßnahmen bei Komplikationen, medikamentöse Therapieschemata uvm. Das Buch eignet sich für: Weiterbildungsassistent\*innen und Fachärzt\*innen Allgemein- und Viszeralchirurgie

**Surgical Management of Obesity** Henry Buchwald 2007 Leaders in the field present today's most comprehensive coverage of bariatric surgery, one of the most promising current treatments for the growing global epidemic of overweight and obesity. This brand new resource begins with a thorough examination of the history, incidence, demography, etiology, biology, comorbidities, longevity, and social and economic implications of obesity. It then discusses pre-, peri-, and postoperative issues of importance before examining the evolution of bariatric procedures. Individual chapters present the best surgical approaches, their outcomes, and other considerations involved in this surgical approach. Presents a comprehensive overview of the entire field of bariatric surgery, as well as a broad discussion of critical non-operative topics. Discusses the evolution of bariatric procedures, followed by individual chapters that examine laparoscopic adjustable gastric banding, vertical banded gastroplasty, the banded gastric bypass, and other surgical approaches. Reviews the outcomes of bariatric surgery with respect to nutrition, diabetes, hypertension, sleep apnea, orthopedic conditions, and metabolism. Offers guidance on practical and academic training of the bariatric surgeon, patient support groups, the importance of the multidisciplinary team, managed care, allied health, laparoscopic suites and robotics, liability issues, and more. Includes dietary, drug management, and other alternative non-operative approaches. Addresses the growing incidence of childhood obesity with a chapter focusing on adolescent bariatric surgery patients. With 91 additional contributing experts.

**Psychosocial Care for People with Diabetes** Deborah Young-Hyman 2012-12-25 Psychosocial Care for People with Diabetes describes the major psychosocial issues which impact living with and self-management of diabetes and its related diseases, and provides treatment recommendations based on proven interventions and expert opinion. The book is comprehensive and provides the practitioner with guidelines to access and prescribe treatment for psychosocial problems commonly associated with living with diabetes.

**Emerging Bariatric Surgical Procedures, An Issue of Surgical Clinics** Shanu Kothari 2021-03-23 This issue of Surgical Clinics focuses on Emerging Bariatric Surgical Procedures and is edited by Dr. Shanu N. Kothari. Articles will include: Emerging Procedures in Bariatric Metabolic Surgery; Emerging Endoscopic Interventions in Bariatric Surgery; Endoscopic Balloon Therapy; Single Anastomosis Duodenoileostomy (SADI); Established and Emerging Metabolic and Bariatric Procedures: Obesity, Cancer, and Risk Reduction with Bariatric Surgery; Obesity, Bariatric Surgery, and Hip/Knee Arthroplasty Outcomes; Diabetes Risk Reduction and Metabolic Surgery; Cardiovascular Risk Reduction Following Bariatric Surgery; Addiction Transfer and Other Behavioral Changes Following Bariatric Surgery; Physiological Mechanisms of Weight Loss Following Metabolic/Bariatric Surgery; Pediatric Metabolic and Bariatric Surgery; Laparoscopic Gastric Bypass: Still the Gold Standard?; Revisional Bariatric Surgery; Ventral Hernia Management in Obese Patients; Laparoscopic vertical sleeve gastrectomy; and more!

**Bariatric Surgery** Nieves Saiz-Sapena 2021-10-27 Written by experts in the field of bariatrics, this edited volume reviews the multidisciplinary process of treating the obese patient, from the reception of the obese patient and their dietary, social, and psychological evaluations to individual management, discharge, and follow-up. It offers a holistic approach, providing the knowledge required to implement treatment effectively. Chapters cover surgical procedures in the abdomen, physical exercise, psychological and social support, nutritional strategies, and pharmacologic options. This book is a valuable resource for physicians, surgeons, bariatric anesthesiologists, nutritionists, psychologists, nurses, physical therapy specialists, and others involved in the care of obese and overweight patients.

**Oral Drug Absorption** Jennifer B. Dressman 2016-04-19 Oral Drug Absorption, Second Edition thoroughly examines the special equipment and methods used to test whether drugs are released adequately when administered orally. The contributors discuss methods for accurately establishing and validating in vitro/in vivo correlations for both MR and IR formulations, as well as alternative approaches for MR an

**Learning JavaScript Design Patterns** Addy Osmani 2012-07-08 With Learning JavaScript Design Patterns, you'll learn how to write beautiful, structured, and maintainable JavaScript by applying classical and modern design patterns to the language. If you want to keep your code efficient, more manageable, and up-to-date with the latest best practices, this book is for you. Explore many popular design patterns, including Modules, Observers, Facades, and Mediators. Learn how modern architectural patterns—such as MVC, MVP, and MVVM—are useful from the perspective of a modern web application developer. This book also walks experienced JavaScript developers through modern module formats, how to namespace code effectively, and other essential topics. Learn the structure of design patterns and how they are written Understand different pattern categories, including creational, structural, and behavioral Walk through more than 20 classical and modern design patterns in JavaScript Use several options for writing modular code—including the Module pattern, Asynchronous Module Definition (AMD), and CommonJS Discover design patterns implemented in the jQuery library Learn popular design patterns for writing maintainable jQuery plug-ins "This book should be in every JavaScript developer's hands. It's the go-to book on JavaScript patterns that will be read and referenced many times in the future."—Andrée Hansson, Lead Front-End Developer, presis!

**Food Literacy** Helen Vidgen 2016-04-14 Globally, the food system and the relationship of the individual to that system, continues to change and grow in complexity. Eating is an everyday event that is part of everyone's lives. There are many commentaries on the nature of these changes to what, where and how we eat and their socio-cultural, environmental, educational, economic and health consequences. Among this discussion, the term "food literacy" has emerged to acknowledge the broad role food and eating play in our lives and the empowerment that comes from meeting food needs well. In this book, contributors from Australia, China, United Kingdom and North America provide a review of international research on food literacy and how this can be applied in schools, health care settings and public education and communication at the individual, group and population level. These varying perspectives will give the reader an introduction to this emerging concept. The book gathers current insights and provides a platform for discussion to further understanding and application in this field. It stimulates the reader to conceptualise what food literacy means to their practice and to critically review its potential contribution to a range of outcomes.

**Bariatric and Metabolic Surgery** Luigi Angrisani 2016-10-01 This book describes the surgical bariatric procedures most frequently performed worldwide and examines their evolution in recent years both within Italy and internationally. For each operation, indications, the surgical technique, potential complications, and the outcomes with respect to weight and obesity-associated comorbidities are presented. In view of the significant failure rate revealed by studies on the long-term results of bariatric surgery, the problem of weight regain and revision surgery are also discussed in detail, covering the different types of revision, conversion to other procedures, and the main outcomes. In addition, individual chapters focus on selected topics of importance. The role of bariatric surgery in the cure of type 2 diabetes ("diabetes surgery") is discussed and the debate over the significance of gastroesophageal reflux disease and hiatal hernia for choice of procedure is summarized. Finally, the most common endoluminal procedures, which have been gaining in importance, are described and other bariatric operations, outlined.