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Nota di contenuto	The Biology of Obesity and Why It's Important -- Communication, Bias, and Stigma -- Assessment of the Pediatric Patient with Obesity -- Dietary Interventions -- Physical Activity Interventions -- Pharmacological Strategies -- Metabolic and Bariatric Surgery -- Behavioral Challenges and Psychological Complications -- Type 2 Diabetes and Pre-Diabetes -- Non-alcoholic Fatty Liver Disease -- Polycystic Ovary Syndrome -- Hypertension and Dyslipidemia -- Syndromic and Monogenic Obesity.
Sommario/riassunto	Treatment of pediatric obesity, to date, has largely focused on lifestyle therapy. While lifestyle therapy is essential for obesity management, it is often insufficient, particularly for youth who have severe forms of the disease. Underlying the limitations of lifestyle therapy is the recognition that obesity is a biological disorder of the energy regulatory system and accordingly, to effectively manage obesity, the underpinning pathophysiology needs to be addressed. This pathophysiology can be targeted with more advanced therapies including anti-obesity medications and metabolic and bariatric surgery, two treatment strategies supported by the American Academy of Pediatrics. Written by

leading experts in the field, *A Practical Guide to Managing Pediatric Obesity* is comprised of thirteen chapters, each including suggested protocols and case examples. The first chapter details the complex pathophysiology of obesity and sets the stage for why advanced therapies are critical for effective obesity management. Chapter two provides guidance on best practices for communicating with patients and families about obesity. The next three chapters provide direction on how to do a comprehensive patient assessment, and employ dietary and physical activity interventions. The heart of this guidebook is the chapter on pharmacological treatments, which details the mechanisms of action, research results, and recommendations for anti-obesity medication selection and monitoring outlined in a step-by-step fashion. Pre- and post-operative care for the pediatric bariatric surgery patient is detailed in the next chapter. Assessment and management of behavioral and psychological complications, type 2 diabetes, non-alcoholic fatty liver disease, polycystic ovary syndrome, hypertension, and dyslipidemia are covered in the subsequent five chapters. Syndromic and monogenic obesity are discussed in the final chapter.

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