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Titolo	Continuous Glucose Monitoring / / edited by Weiping Jia
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2018
ISBN	981-10-7074-1
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XVI, 215 p. 128 illus., 113 illus. in color.)
Disciplina	616.462 616.46
Soggetti	Diabetes
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Glucose, blood glucose assay and continuous glucose monitoring technology -- Introduction of continuous glucose monitoring -- Accuracy assessment of continuous glucose monitoring -- Operation procedure and process of continuous glucose monitoring -- The picture-interpretation methodology of continuous glucose monitoring -- Definition of the continuous glucose monitoring parameters and its clinical value -- Reference values for the continuous glucose monitoring parameters -- Clinical applications of continuous glucose monitoring report and management -- Clinical indications of continuous glucose monitoring -- Interpretation of continuous glucose monitoring clinical practice guideline -- Continuous glucose monitoring and glycemic variability -- Using continuous glucose monitoring to evaluate the effect of anti-diabetic therapy -- Using continuous glucose monitoring for patients with hypoglycaemia -- Using continuous glucose monitoring for patients with fasting hyperglycemia -- Using continuous glucose monitoring for patients with fulminant type 1 diabetes -- Using continuous glucose monitoring for patients with pregnancy complicated with diabetes -- Using continuous glucose monitoring for steroid-induced diabetes -- Using continuous glucose monitoring for patients with insulinoma -- Using continuous glucose monitoring for patients with metabolic surgery -- Prospects of continuous glucose monitoring technology.
Sommario/riassunto	This book provides comprehensive information on continuous glucose

monitoring (CGM). The first section focuses on the fundamentals of CGM technology, including the principles of CGM, accuracy assessment, operation procedure, management processes, the picture-interpretation methodology, the clinical value of CGM parameters, reference values, clinical applications of CGM report and management systems, and clinical indications. In turn, the second section describes the clinical application of CGM, including assessing blood glucose fluctuation and hypoglycemic effects, detecting hypoglycemia and identifying fasting hyperglycemia. It also describes the role of CGM in connection with specific diseases, such as fulminant type 1 diabetes, gestational diabetes mellitus, steroid diabetes, and insulinoma. The closing chapter outlines the future of CGM. In addition, the book presents typical cases and analyses of nearly a hundred typical monitoring maps. As such, it offers diabetic health care doctors a valuable reference guide to the clinical application of and scientific research on CGM. Editor Weiping Jia is a professor and chief physician of Department of Endocrinology and Metabolism, Shanghai Jiao Tong University Affiliated Sixth People’s Hospital. She is also the director of Shanghai Clinical Center for Diabetes, Shanghai Key Laboratory for Diabetes and Shanghai Diabetes Institute, and the president of Chinese Diabetes Society.