

1. Record Nr.	UNINA9910818782003321
Titolo	Hypoglycaemia in clinical diabetes // edited by Brian M. Frier, Simon R. Heller, Rory J. McCrimmon ; cover design by Steve Thompson
Pubbl/distr/stampa	Chichester, England ; ; Hoboken, New Jersey : , : Wiley-Blackwell, , 2014
ISBN	1-118-69787-1 1-118-69543-7 1-118-69590-9
Edizione	[Third edition.]
Descrizione fisica	1 online resource (xi, 380 pages) : illustrations
Altri autori (Persone)	FrierBrian M HellerSimon McCrimmonRory J ThompsonSteve
Disciplina	616.466
Soggetti	Insulin Hypoglycemia
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Cover; Title page; Copyright page; Contents; List of Contributors; Preface; 1: Normal Glucose Metabolism and Responses to Hypoglycaemia; Normal Glucose Homeostasis; Fasting (Figure 1.1a); Fed state (Figure 1.1b); Effects of Glucose Deprivation on Central Nervous System Metabolism; Counterregulation During Hypoglycaemia; Hormonal Changes During Hypoglycaemia; Activation of the autonomic nervous system; Neuroendocrine activation (Box 1.3); Physiological Responses; Haemodynamic changes (Box 1.4); Changes in regional blood flow (Box 1.5 and Figure 1.6); Functional changes (Box 1.6); Conclusions AcknowledgementReferences; 2: Symptoms of Hypoglycaemia and Effects on Mental Performance and Emotions; Introduction; Symptoms of Hypoglycaemia; Identifying the symptoms; The validity of symptom beliefs; Classifying symptoms of hypoglycaemia; Symptoms in children and older people; From symptom perception to action; Symptom generation; Symptom detection; Low blood glucose detection -

symptom interpretation; Symptom scoring systems; Acute Hypoglycaemia and Cognitive Functioning; Influences on the degree of, and threshold for, cognitive dysfunction

Are the cognitive changes during acute hypoglycaemia important and valid? Acute Hypoglycaemia and Emotions; Conclusions; References; 3: Counterregulatory Deficiencies in Diabetes; Introduction; Normal Glucose Counterregulation; Age and Glucose Counterregulation; Defective Hormonal Glucose Counterregulation; Insulin; Glucagon; Catecholamines; Cortisol and growth hormone; Mechanisms of Counterregulatory Failure; Systemic mediator; Brain fuel transport; Brain metabolism; Hypoglycaemia tolerance; Conclusions; References; 4: Frequency, Causes and Risk Factors for Hypoglycaemia in Type 1 Diabetes

Introduction Definitions of Hypoglycaemia; Biochemical definitions of hypoglycaemia; Clinical definitions of hypoglycaemia; Frequency of Hypoglycaemia; Frequency of mild, symptomatic hypoglycaemia; Causes of Hypoglycaemia; Patient error; Alcohol; Exercise; Risk Factors for Severe Hypoglycaemia; Intensive insulin therapy; Strict glycaemic control; Genetic predisposition to hypoglycaemia; Absent endogenous insulin secretion; Dose and type of insulin; Sleep; Microvascular complications; Social and psychological factors; Endocrinopathies; Other risk factors

Causes and risk factors for hypoglycaemia: summary and conclusions Conclusions; References; 5: Nocturnal Hypoglycaemia; Introduction; Epidemiology - How Common is Nocturnal Hypoglycaemia?; Causes of Nocturnal Hypoglycaemia; The limitations of therapeutic insulin delivery; Impaired counterregulatory responses to hypoglycaemia during nocturnal hypoglycaemia; Supine posture; Sleep; Consequences of Nocturnal Hypoglycaemia; Impaired awareness of hypoglycaemia; The 'dead in bed' syndrome; Neurological consequences of nocturnal hypoglycaemia on cerebral function Can Nocturnal Hypoglycaemia be Predicted?

Sommario/riassunto

Hypoglycaemia in Clinical Diabetes, 3rd Edition Edited by: Brian M Frier, Royal Infirmary of Edinburgh, Edinburgh, UK Simon R Heller, University of Sheffield, Sheffield, UK Rory J McCrimmon, University of Dundee, Dundee, UK If you regularly see patients with diabetes who experience hypoglycaemia and need expert guidance, then this is the book for you. Hypoglycaemia in Clinical Diabetes, 3rd Edition once again provides health professionals involved in the management of people with
