

CONTENTS

Pancreatic Development as a Basis for the Definition of New Therapies for Diabetes:

Scharfmann, R.

Overview of Neonatal Diabetes

Hamilton-Shield, J.P.

Transcription Factors in Pancreatic Development (Animal Models)

Martin, M.; Hauer, V.; Orvain, C.; Gradwohl, G.

Distinct Roles of HNF1 β , HNF1 α , and HNF4 α in Regulating Pancreas Development, β -Cell Function and Growth

Maestro, M.A.; Cardala, C.; Boj, S.F.; Luco, R.F.; Servitja, J.M.; Ferrer, J.

In vivo and in vitro Techniques to Study Pancreas Development and Islet Cell Function

Duvillié, B.; Heinis, M.; Stetsyuk, V.

Functional Imaging of the Pancreas: the Role of [18F]Fluoro-L-DOPA PET in the Diagnosis of Hyperinsulinism of Infancy

Ribeiro, M.-J.; Boddaert, N.; Delzescaux, T.; Valayannopoulos, V.; Bellanné-Chantelot, C.; Jaubert, F.; Verkarre, V.; Nihoul-Fékété, C.; Brunelle, F.; De Lonlay, P.

Insulin Pump Therapy in Neonatal Diabetes

Tubiana-Rufi, N.

Generating New Candidate Genes for Neonatal Diabetes: Functional and Genetic Studies of Insulin Secretion in Type 2 Diabetes

Rutter, G.A.

Diabetes in Very Young Children and Mutations in the Insulin-Secreting Cell Potassium Channel Genes: Therapeutic Consequences

Flechtner, I.; Vaxillaire, M.; Cavé, H.; Scharfmann, R.; Froguel, P.; Polak, M.

Genomic Imprinting – Roles and Regulation in Development

Kelsey, G.

Imprinting in Human Disease with Special Reference to Transient Neonatal Diabetes and Beckwith-Wiedemann Syndrome

Temple, I.K.

The Physiology and Clinical Management of Glucose Metabolism in the Newborn

Beardsall, K.; Dunger, D.

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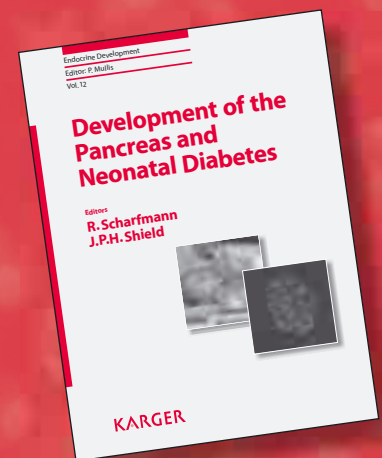
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Development of the Pancreas and Neonatal Diabetes

Editors

R. Scharfmann
J.P.H. Shield



It is now clear that abnormal pancreas development can give rise to specific forms of diabetes. Thus, the study of human and animal pancreatic developmental biology, one of the main focuses of the current volume of *Endocrine Development*, is crucial – also in order to define new treatments for diabetes based on cell therapy or regenerative medicine.

This publication presents in vivo and in vitro techniques to investigate pancreas development and islet cell function. Besides, a series of reviews are included dealing with genetics. Amongst others, the transcription factors in pancreatic development are observed, and the distinct roles of HNF1 β , HNF1 α , and HNF4 α in regulating pancreas development, β -cell function and growth are studied in detail. A further point under discussion is genomic imprinting and its impact on the pancreas. Special emphasis is placed on the investigation, management and treatment of neonatal diabetes.

This collection written by outstanding scientists and clinicians is a valuable reference for endocrinologists, geneticists and pancreatic developmental scientists alike.

Fields of Interest: Endocrinology; Pediatrics; Pediatric Endocrinology, Diabetes, Neonatology, Genetics

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