Increased Intestinal Inflammation and Digestive Dysfunction in Preterm Pigs with Severe Necrotizing Enterocolitis
Støy, A.C.F.; Heegaard, P.M.H.; Skovgaard, K.; Bering, S.B. (Frederiksberg); Bjerre, M. (Aarhus); Sangild, P.T. (Frederiksberg/Copenhagen)

Thoracoabdominal Asynchrony Is Not Associated with Oxyhemoglobin Saturation in Recovering Premature Infants

Neonatal Pneumothorax: A Descriptive Regional Danish Study
Vibede, L. (Aalborg/Hjørring); Vibede, E.; Bendtsen, M.; Pedersen, L.; Ebbesen, F. (Aalborg)

Medications That Increase Osmolality and Compromise the Safety of Enteral Feeding in Preterm Infants
Chandran, S.; Chua, M.C.; Lin, W.; Min, Wong J.; Saffari, S.E.; Rajadurai, V.S. (Singapore)

MRI Differences Associated with Intrauterine Growth Restriction in Preterm Infants
Bruno, C.J. (New Haven, CT); Bengani, S.; Gomes, W.A. (Bronx, NY); Brewer, M. (New Hyde Park, NY); Vega, M.; Xie, X.; Kim, M.; Fuloria, M. (Bronx, NY)

Use of Transcutaneous Bilirubin to Determine the Need for Phototherapy in Resource-Limited Settings
Olusanya, B.O.; Emokpae, A.A. (Lagos)

Surfactant Need by Gestation for Very Preterm Babies Initiated on Early Nasal CPAP: A Danish Observational Multicentre Study of 6,628 Infants Born 2000–2013
Wiingreen, R. (Herlev); Greisen, G. (Copenhagen); Ebbesen, F. (Aalborg); Petersen, J.P. (Skejby); Zachariassen, G. (Odense); Henriksen, T.B. (Skejby); Mølholm Hansen, B. (Herlev)

Umbilical Venous Catheter Malposition Is Associated with Necrotizing Enterocolitis in Premature Infants
Sulemanji, M. (Boston, MA/Hershey, PA); Vakili, K.; Zarakowski, D.; Tworetzky, W.; Fishman, S.J.; Kim, H.B. (Boston, MA)

Associations of Maternal Leptin with Neonatal Adiposity Differ according to Pregravid Weight
Patenaude, J.; Lacerte, G.; Lacroix, M.; Guillemette, L.; Allard, C.; Doyon, M.; Battista, M.-C.; Moreau, J.; Ménard, J.; Arditouze, J.-L.; Perron, P. (Sherbrooke, QC); Hivert, M.-F. (Sherbrooke, QC/Boston, MA)

Is Fat Mass Accretion of Late Preterm Infants Associated with Insulin Resistance?
Liotti, N.; Gianni, M.L.; Taroni, F.; Roggero, P.; Condello, C.C.; Orsi, A.; Menis, C.; Bonfanti, R.; Mosca, F. (Milan)

Effects of Breathing and Apnoea during Sustained Inflations in Resuscitation of Preterm Infants
Lista, G.; Cavigioli, F.; La Verde, P.A.; Castoldi, F.; Bresesti, I. (Milan); Morley, C.J. (Cambridge)

(Continued on inside front cover)
367 Patent Ductus Arteriosus Treatment in Very Preterm Infants: A European Population-Based Cohort Study (EPICE) on Variation and Outcomes
Edstedt Bonamy, A.-K.; Gudmundsdottir, A. (Stockholm); Maier, R.F. (Marburg); Toome, L. (Tartu/Tallinn); Zeitlin, J.; Bonet, M. (Paris); Fenton, A. (Newcastle upon Tyne); Hasselager, A.B. (Hvidovre); van Heijst, A. (Nijmegen); Gortner, L. (Homburg/Saar); Milligan, D. (Newcastle upon Tyne); Van Reempts, P. (Edegem/Brussels); Boyle, E.M. (Leicester); Norman, M. (Stockholm) and collaborators from the EPICE Research Group

376 Three-Dimensional Imaging-Based Web Application for Predicting Tracheal Tube Depth in Preterm Neonates

Sharing Progress in Neonatal (SPIN) Brain, Gut, Heart, and Lung
Incorporating the Proceedings of the 32nd International Workshop on Surfactant Replacement, Dublin, May 26–27, 2017

Preface

Molloy, E.J. (Dublin); Curstedt, T. (Stockholm); Halliday, H.L. (Belfast); Hallman, M. (Oulu); Saugstad, O.D. (Oslo); Speer, C.P. (Würzburg)

9th Bengt Robertson Memorial Lecture

388 eNewborn: The Information Technology Revolution and Challenges for Neonatal Networks
Haumont, D.; Nguyen Ba, C. (Brussels); Modi, N. (London)

Reviews

398 Overview of Lung Development in the Newborn Human
Warburton, D. (Los Angeles, CA)

402 What Should We Do about Low Blood Pressure in Preterm Infants?
Dempsey, E.M. (Cork)

408 Surfactant for Respiratory Distress Syndrome: New Ideas on a Familiar Drug with Innovative Applications
Niemarkt, H.J. (Veldhoven); Hütten, M.C.; Kramer, B.W. (Maastricht)

415 Update on Postnatal Steroids
Halliday, H.L. (Belfast)

423 Current Research on the Epidemiology, Pathogenesis, and Management of Necrotizing Enterocolitis
Eaton, S.; Rees, C.M. (London); Hall, N.J. (Southampton)

431 How to Save 1 Million Lives in a Year in Low- and Middle-Income Countries
Travers, C.P.; Carlo, W.A. (Birmingham, AL)

437 Abstracts
446 Author Index
Neonatology

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• Initial stabilization / delayed cord clamping
• Sustained inflations: are they in or out?
• How much oxygen to start and continue?
• Caffeine: from birth to discharge?

VENTILATION MODES / NO
• Non-invasive ventilation modes
• Conventional mechanical ventilation
• High frequency ventilation
• NAVA in neonates

BPD, PULMONARY HYPERTENSION, PDA
• BPD and pulmonary hypertension
• Topical steroids and BPD
• Mesenchymal stem cells for BPD?
• Current approach to the PDA in ELBW infants

FAMILY CENTERED CARE / LIMITS OF VIABILITY
• Family centered care: More than a good feeling?
• Lower limits of viability: A resume in 2017
• Non-invasive monitoring in the NICU?

NEONATAL SEPSIS
• Early onset sepsis, excessive use of antibiotics?
• Multi-resistant microorganisms and fungal infections
• Cellular growth factors, immunoglobulins and immunomodulators
• Therapeutic drug monitoring of antibacterial agents

BRAIN AND ROP
• Neonatal encephalopathy
• Mesenchymal stem cells: Magic cure for severe IVH?
• Outcome prediction by advanced MRI-imaging
• Up-to-date treatment of severe ROP

NUTRITION AND NEC
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Diabetes Associated with Single Gene Defects and Chromosomal Abnormalities

Editors
Fabrizio Barbetti
Lucia Ghizzoni
Federica Guaraldi

This volume, written by renowned experts, provides complete coverage of the main genetic conditions associated with diabetes. Divided into five sections, it offers insights into genetic defects involving the pancreatic beta cell, extreme insulin resistance, ciliopathies, obesity and glucose metabolism, chromosomal defects, and other genetic conditions associated with increased susceptibility to diabetes. Other topics include the various subtypes of monogenic diabetes, such as the neonatal form and the Wolfram syndrome, as well as chromosomal defects leading to complex conditions affiliated with diabetes, like Trisomy 21 or Prader-Willi syndrome. There are also chapters dedicated to the poorly explored relationships between metabolism and neurodegenerative disorders like Friedreich's ataxia and muscular dystrophy.

This book is a reference for every pediatric and adult endocrinologist and diabetologist, even experienced ones, with an interest in the intricacies and protean aspects of disorders of glucose metabolism secondary to genetic diseases.

Contents
Foreword: Novelli, G.
Preface: Barbetti, F.; Ghizzoni, L.; Guaraldi, F.

Diabetes and Genetic Defects Prevalently Involving the Pancreatic Beta Cells
• Neonatal Diabetes. Permanent Neonatal Diabetes and Transient Neonatal Diabetes: Barbetti, F.; Mammì, C.; Liu, M.; Grasso, V.; Arvan, P.; Remedi, M.; Nichols, C.G.
• Maturity-Onset Diabetes of the Young: From Genetics to Translational Biology and Personalized Medicine: Vaxillaire, M.; Froguel, P.
• Thiamine-Responsive Megaloblastic Anemia Syndrome: Franzese, A.; Fattorusso, V.; Mozzillo, E.
• Diabetes Mellitus in Mitochondrial Disease: Ng, Y.S.; Taylor, R.W.; Schaefer, A.M.

Extreme Insulin Resistance with Diabetes
• Syndromes Associated with Mutations in the Insulin Signalling Pathway: Leiter, S.M.; Semple, R.K.
• Insulin Resistance and Diabetes Associated with Lipodystrophies: Leiter, S.M.; Semple, R.K.

Ciliopathies, Obesity, and Glucose Metabolism
• Alström Syndrome: Maffei, P.; Favaretto, F.; Milan, G.; Marshall, J.D.

Chromosomal Defects and Diabetes
• Prader-Willi Syndrome: Grugni, G.
• 47,XXY Klinefelter Syndrome Is Associated with an Increased Risk of Insulin Resistance: The Impact of Hypogonadism and Visceral Obesity: Panimolle, F.; Radicioni, A.F.
• Down Syndrome (Trisomy 21) and Diabetes: Bizzarri, C.; Cappa, M.
• Turner Syndrome and Diabetes: Grossi, A.; Cappa, M.

Other Genetic Conditions with Increased Susceptibility to Diabetes
• Diabetes in Friedreich Ataxia: Ran, S.; Abeti, R.; Giunti, P.
• Diabetes in Myotonic Dystrophy: Dahlqvist, J.R.; Vissing, J.

Author Index / Subject Index

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Selected contributions
- External Validation of the Endometriosis Fertility Index (EFI) for Predicting Spontaneous Pregnancy after Surgery: Further Considerations on its Validity. Garavaglia, E.; Pagliardini, I.; Tandoi, I.; Sigismondi, C.; Viganò, P.; Ferrari, S.; Candiani, M. (Milan)
- Knowledge and Attitude towards Menopause and Hormone Replacement Therapy in Chinese Women: Jin, F.; Tao, M.; Teng, Y.; Shao, H.; Li, C. (Shanghai), Mills, E. (Ottawa, Ont./Stanford, Calif)
- Prognostic Significance of Pretreatment Plasma Fibrinogen and Platelet Levels in Patients with Early-Stage Cervical Cancer. Zhao, K.; Deng, H.; Qin, Y.; Liao, W.; Liang, W. (Guangzhou)
- In vitro Fertilization Outcome following Embryo Transfer with or without Preinsemination of Human Chorionic Gonadotropin into the Uterine Cavity: A Randomized Controlled Trial. Aaleynin, A.; Aghahosseini, M.; Rashidi, M.; Safdarian, L.; Sarvi, F.; Najmi, Z.; Mobasseri, A.; Amoozgar, B. (Tehran)
- Laparoscopic Single-Site Surgery for Benign Ovarian Cystectomies. Bedaiwy, M.A. (Cleveland, Ohio/Vancouver, B.C.); Sheyn, D. (Cleveland, Ohio); Eghdami, L. (Vancouver, B.C.); Abdelhafiz, F.F. (Cleveland, Ohio); Volsky, J.G. (Chicago, Ill.); Nickles-Fader, A. (Baltimore, Md); Escober, P.F. (Cleveland, Ohio)

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Practical Algorithms in Pediatric Endocrinology
3rd, revised edition

Editor
Ze’ev Hochberg

Algorithms provide a logical, concise and cost-effective approach to medical reasoning: utilizing a concise, step-by-step approach based upon clues from the history, physical examination and laboratory studies, algorithms help avoid excessive unnecessary procedures and testing.

The 3rd, revised edition of Practical Algorithms in Pediatric Endocrinology deals with practical issues of child growth, puberty, diseases of the endocrine glands, sexual differentiation, as well as aberrations of water, electrolyte, mineral and carbohydrate metabolism. Fifty-six clinical issues are covered by an algorithmic approach, breaking down long lists and tables of differential diagnosis into smaller, more manageable ones. Common clinical symptoms, signs and laboratory abnormalities are classified as they present themselves at the patient's bedside.

This book is aimed at general practitioners and pediatricians, in particular those who are not exposed to pediatric endocrine problems on a daily basis, and at trainees in endocrinology and pediatric endocrinology as they acquire familiarity with clinical problem solving to make rational choices when facing clinical dilemmas.

Contents

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