Program, Oral Presentations

Abstract No.
Monday June 23 08:30-09:30
11:00-12:30
The Lawson Wilkins Lecture
GH Receptor Signalling and the Nuclear Actions of GH
Rotwein P, Thomas MJ, Lestunff C
Oregon Health Sciences University, Portland, USA
New Insights into the Role of Estrogen Synthesis and Sensitivity for Somatic Development
Estrogen Responses in Estrogen Receptor-Minus Mice
Lubahn DB, Taylor JA, Das SK, Dey SK University of Missouri, Columbia, USA
Consequences of Aromatase Deficiency and of Estrogen Receptor Dysfunction
Conte FA, Grumbach MM
University of California, San Francisco, USA
Physiology and Structure-Function Aspects on Estrogen Receptor ß
Gustafsson J-Å
Huddinge Hospital, Sweden
Identification of Novel Alternative Splicing of the 5′-End of P450arom mRNA in Peripheral Blood Lymphocytes from Patients with Familial Aromatase Excess Syndrome and Normal Controls
Vottero A, Chrousos GP
National Institute of Child Health, USA
IGF Binding Proteins: Biological Activity
Regulation of Carbohydrate Metabolism by IGFBPs
Baxter RC
Rolling Institute of Medical Research, NSW, Australia
Insulin-Like Growth Factor Binding Protein-Specific Proteases
Conover CA
Mayo Clinic, Rochester, USA
IGF-Independent Actions of IGFBPs: New Concepts for Their Roles in Growth Regulation
Oh Y, Yamanaka Y, Wilson E, Kim HS, Vorwerk P, Hwa V, Yang DH, Wanek D, Rosenfeld RG Oregon Health Sciences University, Portland, USA
Cellular Localization of IGFBPs in the Rat Brain following Moderate and Severe Hypoxic-Ischaemic Injury
Werther G, Russo VC, Butler GE, Baker NL, Beilharz EJ, Williams CE, Gluckman PD Royal Children’s Hospital, Melbourne, Australia
Thyroid Function as Revealed by Genetic Disease
Genetics of Thyroid Development
Di Lauro R
Stazione Zoologica Anton, Dohrn, Italy
The Syndrome of Resistance to Thyroid Hormone
Refetoff S, Hayashi Y, Weiss RE The University of Chicago, USA
Defects in Thyroid Hormone Biosynthesis
De Vijlder JJM, Vulsma T
University of Amsterdam, The Netherlands
Thyroid Cancer: Lessons from Chernobyl
Reiners C
University of Würzburg, Germany

Abstract No.
14:00-15:30 Growth and Growth Hormone
Growth Hormone (GH) Binding Protein-Positive Laron Syndrome (LS): Two Models of GH Resistance due to Abnormal Intracellular GH Signalling
Freeth J, Whatmore AJ, Silva CM, Clayton PE RMCH, Manchester, UK
Characterization of the Alternatively Spliced Form of Human Growth Hormone Receptor (GHR)
Amit T, Bergman T, Dastot F, Bar-Am O, Yoffin MBH, Amselem S, Hochberg Z, Rambam Medical Center, Haifa, Israel
Risk of Leukemia in Children Treated with Human Growth Hormone (GH): The National Cooperative Growth Study (NCGS) Experience
Blethen SL, Allen DB, Rundle AC, Graves D Genetech Inc, San Francisco, USA
Cardiac Involvement in the GH Withdrawal Syndrome in Short Normal Children
Lampit M, Vilkas DL, Lorber A, Hochberg Z Faculty of Medicine, Haifa, Technion, Israel
Near Normalization of Final Height with Optimized Usage of Growth-Hormone in Turner Syndrome
Carel JC, Mathivon L, Gendrel C, Chaussain J-L Hôpital Saint-Vincent-de-Paul, France
Final Height in Short Normal Girls Treated with Growth Hormone plus GnRH-Analogs. Further Data on New 19 Cases and Comparison with an Untreated Control Group
Saggese G, Barsanti S, Federico G University of Pisa, Italy

Adrenal Disorders
Expression of 3-Beta Hydroxysteroid Dehydrogenase (3-BetaHSD) in Human Prepubertal Adrenal Tissue as a Function of Age
Bezrosky A, Dardis A, Saraco S, Rivarola MA Hospital de Pediatría Garrahan, Argentina
Two-Year Experience with Flutamide, Testolactone, and Reduced Hydrocortisone Dose in the Treatment of Congenital Adrenal Hyperplasia
Merke DP, Jones JV, Barnes KM, Hill KM, Cutler GB National Institutes of Health, USA
Membrane Binding and Function of Wild-Type and Mutated P450c21
Lajic S, Nikosjkov A, Wedell A Karolinska Hospital, Stockholm, Sweden
Why the 21-Hydroxylase and C4 Genes Are Linked
Zhang G, Rodriguez H, Fu GK, Miller WL University of California, USA
Molecular Analysis of DAX-1 Gene in Patients with X-Linked Adrenal Hypoplasia Congenita

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Abe S, Nakae J, Shinohara N, Murashita M, Fujieda K Hokkaido University School of Medicine, Japan
Human Steroidogenic Factor-1 (hSF-1) Modulates Estrogen Receptor-Mediated Stimulation of StAR

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Promoter Activity

Ramayya MS, Kino T, Segars JH, Strauss III JF, Chrousos GP National Institute of Health, USA
Diabetes

BCG Vaccine Modulates Autoimmune Process in Newly Diagnosed IDDM Patients (Preliminary Report)

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Vazeou A, Lafferty K, Pergantou E, Spanos E, Gazda L, Bartsocas C University of Athens, Greece
Both Prepubertal and Pubertal Duration of Diabetes Affect the Incidence of Diabetic Retinopathy

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Hol RW, Lang G, Heinze E, Lang GK, Teller WM University Children’s Hospital, Ulm, Germany
Insulin Pulsatility in Children with Obesity

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Nathwani N, Hindmarsh PC, Matthews DR, Brook CGD The Middlesex Hospital, London, UK
Recombinant Human IGF-I (rhIGF-I) Improves Metabolic Control in Adolescents and Young Adults with IDDM

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Quattrin T, Thrailkill K, Baker L, Kuntze J, Bajamonde A, Martha JRP Children’s Hospital of Buffalo, USA

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Abstract No.

Allelic Effects of the INS 5’ VNTR on IGF2 Expression in vitro and in vivo in Humans

Deal CL, Giannoukakis N, Polychronakos C, Paquette J, Vafiadis P Sainte Justine Hospital, University of Montreal, Canada
Mechanisms of Cytokine-Induced β-Cell Destruction: Up-Regulation of NO-Synthase and Activation of the Fas Pathway

Zumsteg U, Frigerio S, Christen E, Wyss V, Holländer G University Children’s Hospital Basel, Switzerland

16:00-17:00 Medical Controversy: Transition of the Adolescent Growth Hormone Deficient Patient to Adult
Endocrinology – How and When?

Stanhope R
Great Ormond Str., Hospital for Children, UK
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Huddinge Hospital, Sweden
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Howard Hughes Medical Institute, USA
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Karolinska Hospital, Stockholm, Sweden
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Karolinska Hospital, Stockholm, Sweden
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Faculté de Médecine, INSERM, Nice, France
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Wedell A
Karolinska Hospital, Stockholm, Sweden
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Insulin-Like Growth Factor (IGF-I) Inhibits Myogenin Promoter Activity through Element(s) Contained within 60 the Sequence-94 to -9 of the Myogenin Gene
Adi S, Zhang P, Wu NY, Mellon SH, Rosenthal SM University of California, San Francisco, USA
In vitro and in vivo Studies on the Role of Insulin-Like Growth Factor Binding Protein-3, -4 and -5 on Bone Formation
Kanzaki S, Mohan S, Ono T, Matsuoka Y, Moriwake T, Tanaka H, Seino Y Okayama University Medicine School, Japan  
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Major Determinants of Peak Bone Mineral Density (BMD)
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Boot AM, Engels MAMJ, Mul D, De Muinck Keizer-Schrama SMPF Sophia Children’s Hospital, The Netherlands  
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Brämswig J Münster, Germany  
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Sippell WG Kiel, Germany
Considerations for the Cautious Use of GnRH Agonist Analogs in Girls with Idiopathic Central Precocious Puberty
Kletter GB Seattle, USA

Abstract
Clinical Research Methods: Measurement of Body Composition
Non-DEXA Methods
Bier D
Baylor College of Medicine, Houston, USA
Measurement of Body Composition – Dual X-Ray Absorptiometry and Quantitative Ultrasound Approaches
Glüer C-C Kiel, Germany
17:30-18:30 Plenary Lecture
New Genes for Boys
Sinclair AH
University of Melbourne, Australia
Wednesday, Plenary Lecture
June 25 Molecular Defects in the Chondrodysplasias
08:30-09:30 Rimondi DL, Wilcox W, Cohn D
Cedars-Sinai Med Center, Los Angeles, USA
Water Homeostasis: ADH and Aquaporins
Agre P, Nielsen S
Johns Hopkins School of Med, Baltimore, USA
ADH Gene Mutations
Richter D
University of Hamburg, Germany
The Vasopressin Regulated Water Channel Aquaporin-2
Nielsen S, Marples D, Frökiaer J, Christensen B, Agre P, Knepper M
University of Aarhus, Denmark
Environmental Effects on Male Reproduction
Skakkebaek NE, Toppari J
National University Hospital, Copenhagen, Denmark
Environmental Hormone Disruptors: Occurrence and Mechanisms of Action
Mc Lachlan J
Tulane/Xavier, Center for Bioenvironmental Research, New Orleans, USA
Environmental Antiandrogens: Mechanisms of Action
Kelce WR
Research Triangle Park, USA
Prenatal Diagnosis and Treatment of Endocrine Disease
Prenatal Diagnosis of Sex Chromosome Abnormalities and Post-Natal Management
Ratcliffe S
Institute of Children’s Health, UK
Prenatal Diagnosis and Treatment of Congenital Adrenal Hyperplasia (CAH)
Forest M, Morel Y, David M Hôpital Debrousse, France
Ethical Issues Arising in the Prenatal Diagnosis and Treatment of Endocrine Disease
Clarke A
University Hospital of Wales, UK
Scandinavian Experience of Prenatal Treatment of Congenital Adrenal Hyperplasia with Dexamethasone
Hoist M, Lajic S, Wedell A, Ritzén EM, Knudzon J Karolinska Hospital, Stockholm, Sweden
Abstract No. 14:00-15:30 Sex Differentiation and Gonads
Survey of 241 Cases of Complete and Partial Androgen Insensitivity Syndrome (CAIS and PAIS)
Ahmed SF, Batch JA, Bevan C, Davies HA, Dovey LA, Hawkins JR, Patterson MN, Rowland J, Shimura N, Williams DM, Hughes IA University of Cambridge, UK
17-Beta-Hydroxysteroid Dehydrogenase 3 (17HSD3) Deficiency in the Netherlands: Mutation and Phenotypic Spectrum, Diagnostic Pitfalls
Boehmer ALM, Brinkmann AO, Niermeijer MF, De Jong FH, Otten BJ, Delemarre HA, Brunner HG, Drop SLS Sophia Children’s Hospital, Rotterdam, The Netherlands
Trafficking of Androgen Receptor Fused to GFP in Living Cells: Application to Physiopathology of Androgen Insensitivity Syndrome
Sultan C, Georget V, Terouanne B, Lobaccaro JM, Poujol N, Lumbroso S Hôpital A de Villeneuve, Montpellier, France
Deletion Mapping of the Y Chromosomal Genes Involved in the Development of Turner Syndrome
Ogata T, Muroya K, Fukami M, Rappold G, Nakahori Y, Matsuo N Keio University, Japan
Pediatric Adrenocortical Tumors: Structural DNA Abnormalities and Insulin-Like Growth Factor-II Overexpression as Early Tumor Events
Gagni N, Paquette J, Oligny L, Van Viet G, Deal C Sainte Justine Hospital, University of Montreal, Canada
Treatment with a LH-RH Analogue following Successful Orchiopexy Markedly Improves the Chance of Fertility Later in Life
Hadziselimovic F, Herzog B Children’s Hospital, Basel, Switzerland
Growth Factors II Free Insulin-Like Growth Factor-I Levels Generally Reflect GH Secretion Status during Childhood, Except for 94 Early Infancy and Acute Diseases
Hasegawa Y, Hasegawa T, Anzoh M, Aso T, Nanao K, Yamada M, Fujii K, Kotoh S, Tsuchiya Y Tokyo Metropolitan Kiyose Children’s Hospital, Japan
Ternary Complex Formation Determines the Growth Response to Growth Hormone (GH) in GH Deficient Children
Mandel SH, Moreland E, Rosenfeld RG, Gargosky SE Oregon Health Sciences University, USA
Effects of LHRH-Analog (LHRH-A)-Induced Pubertal Delay in Growth Hormone Deficient Children Treated with Growth Hormone: Results of a Randomized, Placebo-Controlled Trial
Cassorla F, Mericq V, Eggers M, Avila A, Garcia C, Fuentes A, Rose SR, Cutler GB University of Chile, Chile

Hormones and Apoptosis
1. High Apoptosis in Subjects with Growth Hormone Deficiency (GHD)
Dacou-Voutetakis C, Tsangaris GTH, Tzortzatou-Stathopoulou F, Voutetakis A 'Aghia Sophia’ Children’s Hospital, Greece

Inhibition of Apoptosis by Insulin and Insulin-Like Growth Factor in Human Hair Follicles
Batch J, Cain MA, Cann, CH Royal Children’s Hospital, Melbourne, Australia

Effects of Fibroblast Growth Factor on Skeletal Growth
Baron J, Mancilla EE, De Luca F, Czerwiec FS, Uyeda JA National Institutes of Health, USA

Regulation of Fat Tissue
Multiple Effects of Melanocortin Agonists and Antagonists on Insulin Secretion and Glucose Metabolism
in the Lethal Yellow Mouse
Boston BA, Blaydon KM, Cone RD Oregon Health Sciences University, USA

Receptors for Melanin-Concentrating Hormone (MCH), a Neuropeptide Regulating Food Intake
Eberle AN, Drozdz R, Hintermann E, Zumsteg U, Jäggin V University Hospital, Basel, Switzerland

Abstract No.
Testosterone Treatment in Adolescents with Delayed Puberty: Effects on Protein Turnover, Leptin and Body Composition
Suprasongsin C, Aarslanian S University of Pittsburgh, USA

Circadian Rhythm of Leptin Relates to Body Size
Pringle PJ, Fall CHD, Matthews DR, Hindmarsh PC University College, London, UK

Cord Leptin Concentrations at Delivery – a Marker of Fetal Growth?

Partial GH Deficiency and Changed Leptin Sensitivity due to Cranial Irradiation Contribute to Overweight
after Childhood ALL/NHL
Mayer EJ, Wedenmann SC, Dopfer RE, Elmlinger MW, Ranke MB University Children’s Hospital, Tübingen, Germany

16:00-17:00 Medical Controversy: GnRH Agonist (with or without GH) Treatment for Precocious Puberty and/or Short Stature
Combined GnRH Analog and GH Treatment in Short Children with Early Puberty for Height
Tanaka T
Combined Treatment with GH and GnRH-Analogue in Adopted Girls with Precocious or Early Puberty  
Tuvene T  
Uppsala University Children’s Hospital, Sweden

Luteinizing Hormone-Releasing Hormone Agonist (LHRHa)-Induced Delay of Epiphyseal Fusion Increases  
National Inst of Child Health & Hum Dev, USA

Adult Height of Adolescents with Short Stature  
National Inst of Child Health & Hum Dev, USA

Medical Controversy: Clinical Management of Abnormal Sex Differentiation  
Müller J, Ritzén EM, Rajpert-De Meyts E, Skakkebaek NE  
Rigshospitalet, Copenhagen, Denmark

Feminizing Genitoplasty: When and How?  
Nihoul-Fékété C, Lortat Jacob S, Josso N, Rappaport R  
Hôpital des Enfants Malades, France

Clinical Research Methods: Biochemical and Genetic Indices of GH Sensitivity  
Rosenfeld RG  
Oregon Health Sciences University, USA

How, and How Hard, Should We Look for Mutated Growth Genes?  
Parks JS  
Emory University School of Med, Atlanta, USA