



Deciphering growth /

Carel, J.-C. (Jean-Claude)
Kelly, Paula
Christen, Yves

Springer,
2005

Electronic books Conference papers and proceedings. Conference papers and proceedings.

Monografía

Growth is a complex process that is essential to life. Not only does size play an important role in the process of cellular proliferation, but body size is also a critical factor in determining which organisms live longer. In mammals, the major factors involved in the regulation of body growth are known: insulin-like growth factors (IGF) are key regulators of somatic growth. Growth hormone (GH), secreted by the pituitary gland, directly regulates circulating levels of IGF-I, which is the major coordinator of spatio-temporal growth of the organism. In humans, growth involves a number of specific characteristics not found in other species. These include rapid intrauterine growth, deceleration just after birth, a mid-childhood growth spurt, a second deceleration before puberty, an adolescent growth spurt, and finally full statural growth, which is seen somewhat later. The combined knowledge concerning the endocrine and paracrine aspects of growth have led to the introduction of treatment regimens, most effective in GH-deficient children

<https://rebiunoda.pro.baratznet.cloud:38443/OpacDiscovery/public/catalog/detail/b2FpOmNlbgVlcmF0aW9uOmVzLmJhemF0ei5yZW4vMjE1ODA2MTM>

Título: Deciphering growth J.-C. Carel, P.A. Kelly, Y. Christen (eds.).

Edición: 1st ed

Editorial: New York, NY Springer 2005

Descripción física: 1 online resource (xiii, 155 pages) illustrations

Mención de serie: Research and perspectives in endocrine interactions

Bibliografía: Includes bibliographical references and index

Contenido: Evolutionary Trends in Body Size -- Sexual Dimorphism in the Growth of Homo sapiens: Facts, Inferences and Speculation -- Genetic Control of Size at Birth -- The GH/IGF-1 Axis: Insights from Animal Models -- Downstream Mechanisms of Growth Hormone Action -- Growth Hormone Receptor Signaling and Differential Actions in Target Tissues Compared to IGF-I -- IGF-I and Brain Growth: Multifarious Effects on Developing Neural Cells and Mechanisms of Action -- IGF-I Deficiency: Lessons from Human Mutations -- Putting IGF-I

Biology into a Clinical Perspective -- IGF Resistance: The Role of the Type 1 IGF Receptor -- The Importance of the National Cooperative Growth Study (NCGS) -- Why we are Treating Children with Growth Hormone: Lessons from the French Registry

Restricciones de acceso: License restrictions may limit access

Lengua: English

Copyright/Depósito Legal: 171129374 262680801 320967033 613457592 647587655 698451199 994778369 1005836120 1035663478 1044143507 1044251076 1044263677 1056299817 1056398988 1056409993 1058090591 1060668996 1077251924

ISBN: 9783540261926 alk. paper) 3540261923 9783540289029 354028902X 6610312923 9786610312924

Materia: Human growth- Congresses Children- Growth- Congresses Growth Substances- physiology Body Size- physiology Growth- physiology Biomédecine. Sciences de la vie. Children- Growth. Human growth.

Autores: Carel, J.-C. (Jean-Claude) Kelly, Paula Christen, Yves

Enlace a formato físico adicional: Print version Deciphering growth. 1st ed. New York, NY : Springer, 2005 (DLC) 2005926672

Punto acceso adicional serie-Título: Research and perspectives in endocrine interactions

Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es