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| Nota di contenuto       | EVO-DEVO OF CHILD GROWTH: Treatise on Child Growth and Human Evolution; CONTENTS; PREFACE; 1: INTRODUCTION; A. EVOLUTIONARY THINKING IN MEDICINE; B. EVO-DEVO; C. LIFE-HISTORY THEORY; D. EVOLUTIONARY PERSPECTIVE IN CHILD GROWTH AND MATURATION; E. CHILD GROWTH AND THE ENVIRONMENT; F. HETEROCHRONY AND ALLOMETRY; G. ADAPTIVE PLASTICITY IN LIFE HISTORY; 2: CHILD GROWTH AND THE THEORY OF LIFE HISTORY; A. LIFE-HISTORY STAGES; B. TRANSITIONS BETWEEN LIFE-HISTORY STAGES; C. DEVELOPMENTAL PLASTICITY AND ADAPTATION; D. CULTURAL ADAPTATION TO THE ENVIRONMENT<br>E. ADAPTIVE PLASTICITY OF ATTACHMENT BEHAVIORSF. NOTE BY GEORGE CHROUSOS ON STRESS IN EARLY LIFE: A DEVELOPMENTAL AND EVOLUTIONARY PERSPECTIVE; 1. Stress Concepts; 2. Stress Mechanisms; 3. Pathological Effects of Stress; G. NOTE BY STEFAN BORNSTEIN AND ANDREAS ANDROUTSELLIS-THEOTOKIS ON ENDOGENOUS STEM CELLS AS COMPONENTS OF PLASTICITY AND ADAPTATION; 1. The Adult Mammalian Brain: Plastic or Rigid?; 2. |

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5. The Disconnect Between Neurogenesis and the Presence of Neural Stem Cells  
6. Fetal vs. Adult Neural Stem Cells; 7. Signal Transduction of Stem Cell Regulation; 8. Beyond the Nervous System; 9. Conclusions; 3: FETAL GROWTH; A. ENDOCRINE AND METABOLIC CONTROL OF FETAL GROWTH; B. THE ROLE OF THE PLACENTA; C. DEVELOPMENTAL ORIGINS OF HEALTH AND ADULT DISEASE (DOHAD); D. IMPRINTED GENES AND INTRAUTERINE GROWTH; E. NOTE BY ALAN TEMPLETON ON THE EVOLUTIONARY CONNECTION BETWEEN SENESCENCE AND CHILDHOOD GROWTH AND DEVELOPMENT; 1. An Evolutionary Theory of Aging  
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B. PALEOANTHROPOLOGICAL JUVENILITY AND TEETH ERUPTION  
C. ADRENARCHE; D. JUVENILE BODY COMPOSITION; E. GROWTH OF THE JUVENILE; F. TRADE-OFFS FOR THE TIMING OF TRANSITION TO JUVENILITY; G. PRECOCIOUS JUVENILITY; H. THE PYGMY PARADIGM FOR PRECOCIOUS JUVENILITY; I. EVOLUTIONARY PERSPECTIVE IN PRECOCIOUS JUVENILITY; 7: ADOLESCENCE; A. HUMAN EVOLUTION OF ADOLESCENCE; B. TRANSITION FROM JUVENILITY TO ADOLESCENCE; C. PUBERTAL GROWTH; 8: YOUTH; 9: EVOLUTIONARY STRATEGIES FOR BODY SIZE; A. THE LITTLE PEOPLE OF FLORES; B. LESSONS FROM THE GREAT APES; C. THE HANDICAP THEORY; D. SEXUAL DIMORPHISM  
E. THE ROLE OF SEX STEROIDS

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### Sommario/riassunto

Working with principles from the fields of evolutionary and developmental biology (evo-devo), this fascinating work offers a new approach to analyzing child growth and development, examining each stage and transition in detail, from fetal development to preadulthood. Based on the author's in-depth review of the current literature and his own observations as a pediatric endocrinologist, the book demonstrates how the transitions between human life history phases represent unique periods of evolutionary adaptive response to the environment. In addition, the author explains why an understanding

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