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	MODELING AND BIOLOGICAL PARAMETERS 3.5 INDIVIDUAL VERSUS AVERAGE GROWTH3.6 SEX DIFFERENCES IN GROWTH; 3.7 SUMMARY; REFERENCES; SUGGESTED READING; Chapter 4 - Puberty; 4.1 INTRODUCTION; 4.2 THE NEUROENDOCRINOLOGY OF PUBERTY; 4.3 UPSTREAM FACTORS INFLUENCING PUBERTAL TIMING; 4.4 DOWNSTREAM CONSEQUENCES OF PUBERTAL ACTIVATION OF THE HYPOTHALAMIC-PITUITARY-GONADAL AXIS; 4.5 SUMMARY; REFERENCES; SUGGESTED READING; INTERNET RESOURCES; Chapter 5 - Endocrine Control of Growth; 5.1 INTRODUCTION; 5.2 WHY DO ANIMALS GROW?; 5.3 WHAT CAUSES ANIMALS TO GROW?; 5.4 STRUCTURE OF INSULIN-LIKE GROWTH FACTOR 5.5 TARGETED DISRUPTION OF THE INSULIN-LIKE GROWTH FACTOR GENES5.6 GROWTH HORMONE RECEPTOR; 5.7 INSULIN-LIKE GROWTH FACTOR DEFICIENCY; 5.8 THERAPEUTIC IMPLICATIONS; 5.9 SUMMARY; REFERENCES; SUGGESTED READING; INTERNET RESOURCES; Chapter 6 - Nutrition and Growth; 6.1 INTRODUCTION; 6.2 NUTRITION FOR STUDENTS OF GROWTH; 6.3 NUTRITION AND GROWTH; 6.4 TRANSITIONS IN NUTRITION AND GROWTH; REFERENCES; SUGGESTED READING; INTERNET RESOURCES; Chapter 7 - Genomics, Epigenetics and Growth; 7.1 INTRODUCTION; 7.2 GENOMIC FACTORS THAT INFLUENCE AND REGULATE GROWTH; 7.3 MUTATIONS IN GENES 7.4 ASSOCIATION STUDIES7.5 EPIGENETIC FACTORS THAT INFLUENCE AND REGULATE GROWTH; 7.6 CONCLUSION; REFERENCES; INTERNET RESOURCES; Chapter 8 - The Genetic Epidemiology of Growth and Development; 8.1 INTRODUCTION; 8.2 STATISTICAL GENETIC TERMS AND CONCEPTS; 8.3 STUDY DESIGNS; 8.4 STUDIES OF THE GENETICS OF GROWTH AND DEVELOPMENT; 8.5 EXAMPLES FROM THE FELS LONGITUDINAL STUDY; 8.6 SUMMARY; GLOSSARY; REFERENCES; SUGGESTED READING; INTERNET RESOURCES; Chapter 9 - Social and Economic Effects on Growth; 9.1 INTRODUCTION; 9.2 SOCIOECONOMIC INFLUENCES; 9.3 CONSEQUENCES OF STATURE; REFERENCES SUGGESTED READING
Sommario/riassunto	Offering a study of biological, biomedical and biocultural approaches, the second edition of Human Growth and Development is a valued resource for researchers, professors and graduate students across the interdisciplinary area of human development. With timely chapters on obesity, diet / lifestyle, and genetics, this edition is the only publication offering a biological, biomedical and biocultural approach. The second edition of Human Growth and Development includes contributions from the well-known experts in the field and is the most reputable, comprehensive resource availab