This book is a comprehensive description of human physical growth and development (Auxology) with contributions by 56 internationally reputed experts. The entire spectrum of basic and advanced information on growth tracking, growth prediction, short-term-, catch-up- and rapid growth, nutritional and social factors influencing human growth, and issues related to preventive health care, growth in ethnic minorities and migrants, and growth in developing countries is presented.

The text is generously illustrated (283 color figures and 89 comprehensive tables). It also introduces new mathematical approaches to growth modelling and provides practical information on how to use and to interpret growth charts. National references (US, ARG, BRA, CAN, IND, BEL, GER, IT, NL, PL, SW, SWI, TUR, UK, WHO) for height, weight and body mass index and head circumference for various countries are given as well as growth references for twins, preterm infants and syndrome specific growth charts for clinical purposes. The book for the first time also contains references for height SDS changes, the modern alternative to traditional growth velocity charts.

The book is of greatest interest to all pediatricians, to medical students and students of human biology, health workers, nutritionists, medical staff and professionals interested in child and adolescent growth and development.
### Auxology — Studying Human Growth and Development

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#### Table: National Growth References

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#### Diagram: Final Height Prediction

- The observed root mean square
- The observed root mean square
- The observed root mean square

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Sample pages with diagrams and tables.
6. Prevention and Health

6.1 Breast Feeding

6.2 Infant, Toddler and Child Nutrition

6.3 Short and Tall Stature

6.4 Primary Growth Failure

6.5 Secondary Growth Failure

6.6 SGA and IUGR

6.7 The Shortest People: Pericentric mutations

6.8 Growth in Diabetic Patients

6.9 Body Proportions in Relation to Health

6.10 Social Determinants of Health

6.11 Migrants

6.12 Childhood Obesity in Developing Countries

6.13 Childhood Obesity: The Impact of Migration

6.14 PEM in Children: Anthropometric Evaluation

6.15 Nutrition Transition in Developing Countries

6.16 How Good is the BMI for Detecting Obesity

6.17 Comments on Obesity

6.18 Growth and Pollutants

7. Auxology of the Past

7.1 A Short History of the Study of Human Growth

7.2 Secular Trends

7.3 Trends in Amplitude and Tempo

7.4 How to Plot Secular Growth Changes

7.5 The History of Menarcheal Age

7.6 Impact and Pitfalls of Conception Data

7.7 Conscript Height

7.8 Long Term Changes in Head Dimensions

7.9 Harris Lines

7.10 Growth and Death in the Past

8. Auxological Methods

8.1 Requirements for Anthropometric References

8.2 Measurement Error in Anthropometry

8.3 Standardised Measurements

8.4 Daily Home-Made Measurements

8.5 Automated Bone Age Determination

8.6 Klenometry

8.7 Testing for Hormone Deficiency

9. Statistical Approaches

9.1 Statistics for Bunnies

9.2 Growth Velocity

9.3 SDS and LMS

9.4 Synthetic Growth Charts

9.5 Harmonising National Growth Charts

9.6 Stability and Instability in hSDS Changes

9.7 Jump Preserving Smoothing Technique

9.8 Rounding-Off and Humping

9.9 Parametric and Non-Parametric Regression Models

9.10 Landmark based Statistical Shape Analysis

9.11 A Bayesian Approach towards Modelling Growth

9.12 Methods that still Lack Adequate Recognition

10. Miscellaneous

10.1 Geometry and Auxology

10.2 Finger Length Ratios

10.3 Patients in Auxology

10.4 Myths, Tales and Beliefs

11. Reference Values

11.1 National Growth References

11.2 References for Premature Infants and Twins

11.3 Syndrome Specific Growth Charts

11.4 References for Growth Velocity

11.5 References for SD Score Changes

11.6 References for Tempo Timing and Puberty

11.7 References for Sitting Height

11.8 Body Proportion Chart

11.9 References for MUAC, BF and Skinfold Thickness

11.10 References for WC and WHR

11.11 References and Equations for Body Composition

11.12 Body Surface and Ambiguous Genitalia

11.13 References for IGF1 and IGFBP3

12. Glossary

13. Literature and Internet Resources

14. Index
Short stature is a recognised feature of many dysmorphologies (e.g. Figure 253). References for head circumference measurements have been published for children with Down syndrome [Styles et al. 2002].

<table>
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