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Annals of Nutrition & Metabolism



The Power of Programming

Impact of Early Nutrition on
Long-Term Health

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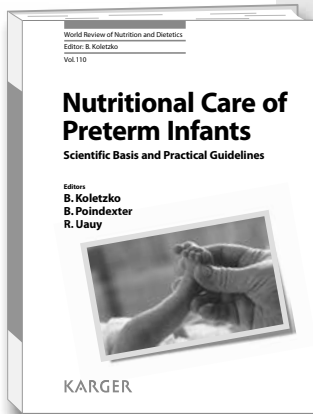
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Nutritional Care of Preterm Infants

Scientific Basis and Practical Guidelines

Editors
B. Koletzko, B. Poindexter, R. Uauy

Nutritional Care of Preterm Infants

Scientific Basis and Practical Guidelines
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Improved conditions of care for premature infants have led to markedly increased survival rates over the last few decades, particularly in very low and extremely low birth weight infants. Nutritional measures play a central role in the long-term outcome, health and quality of life of these premature infants. In this publication, leading experts from all 5 continents present the most recent evidence and critical analyses of nutrient requirements and the practice of nutritional care (with the focus on very low birth weight infants) to provide guidance for clinical application. After the introductory chapters, covering nutritional needs and research evidence in a more general manner, topics such as amino acids and proteins, lipids, microminerals and vitamins, parenteral and enteral nutrition as well as approaches to various disease conditions are addressed.

Due to its focus on critical appraisals and recommendations, this book is of interest not only for the researcher who wants to keep up to date, but also for the clinician faced with premature infants in his practice.

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A summary of current knowledge and unresolved issues



Evidence-Based Research in Pediatric Nutrition

Editors
H. Szajewska
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Recognition of evidence-based medicine is not only increasing rapidly, but it has become essential to pediatric nutrition. Starting with some methodological issues – discussing systemic reviews, meta-analyses and clinical trials – this publication then concisely summarizes current knowledge as well as ignorance and uncertainty regarding selected aspects of childhood nutrition. These aspects include functional gastrointestinal disorders, issues concerning various kinds of milk, complementary foods, enteral nutrition, celiac disease or obesity. Contents are based on evidence and summarize current guidelines; moreover, when there is no clear evidence, they provide some food for thought.

Overall, this publication has been written to enable the clinician to make informed decisions regarding pediatric nutrition.

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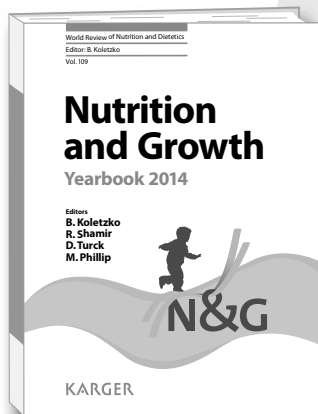
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A critical appraisal of recent research



Nutrition and Growth

Yearbook 2014

Editors
Berthold Koletzko
Raanan Shamir
Dominique Turck
Moshe Phillip

Nutrition and Growth

Yearbook 2014

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The relation between nutrition and growth in children is one of the key concerns of pediatric health that touches a multitude of specialties. Exchanging concepts and knowledge between professionals of all the different disciplines involved is thus crucial to facilitate research and interdisciplinary clinical collaborations.

The present *Yearbook on Nutrition and Growth* is unique in its concept: The contributing editors of each chapter have chosen recent journal articles that have the most potential in relation to the topic of their chapter. Providing the practicing physician with succinct editorial comments, the editors also evaluate the clinical importance of each article and discuss its application.

This yearbook is a valuable resource for pediatricians interested in the subspecialties of nutrition, endocrinology and gastroenterology, but also for pediatric nutritionists and dieticians, and other health professionals involved in the care of children.

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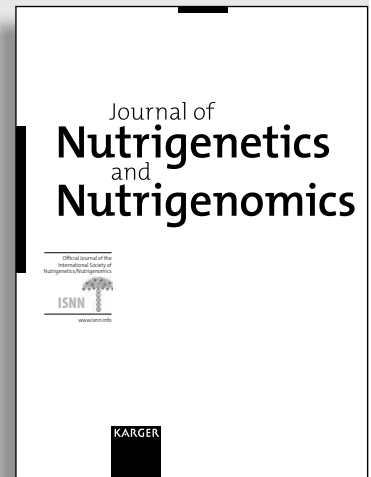
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The emerging field of nutrigenetics and nutrigenomics is rapidly gaining importance, and this new international journal has been established to meet the needs of the investigators for a high-quality platform for their research. Endorsed by the recently founded 'International Society of Nutrigenetics/Nutrigenomics' (ISNN), the *Journal of Nutrigenetics and Nutrigenomics* welcomes contributions not only investigating the role of genetic variation in response to diet and that of nutrients in the regulation of gene expression, but is also open for articles covering all aspects of gene-environment interactions in the determination of health and disease. Original papers and reviews cover the genetic basis for the variable responses to diet and lifestyle factors in chronic conditions (e.g. cardiovascular disease, obesity, diabetes, cancer), methods to assess gene-environment interactions and other related relevant topics, with research drawing from both human and animal studies.

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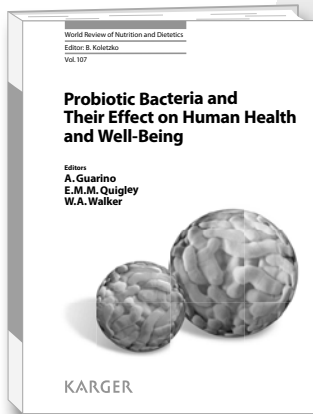
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Probiotic Bacteria and Their Effect on Human Health and Well-Being

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Our microflora is an individual personal feature, providing a distinct tag to individuals. However, our intestinal microbiome is strongly affected by genetic, nutritional, and other external factors, and evolves with age. An effect of different microbial patterns on health appears very likely as there seem to be specific changes of intestinal microflora associated with various diseases. Specific microbial tags may thus be used as biomarkers of disease: to diagnose it, to monitor its evolution, and eventually to predict its response to treatment. This scenario opens the opportunity for targeting intestinal microflora using probiotics, both for prevention and treatment of an increasing number of conditions. Probiotic therapy is applied either as an adjunct to other treatments or as primary therapy, and evidence of efficacy is accumulating in several conditions, affecting either the intestine or nonintestinal organs.

This publication provides an update on probiotics directed at physicians, biologists, biotechnologists, and researchers working in the food industry and agriculture, as well as in the environmental and basic sciences.

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The journal focuses on human nutrition and metabolism and related areas, including experimental studies and basic science that can inform human nutrition science. We welcome manuscripts describing observational and intervention studies as well as basic science reports on the topics of foods, diets and dietary supplements, nutrigenomics and genetics related to metabolism, on energy metabolism, macro- and micronutrients including vitamins and minerals, biofunctional compounds, dietetics, obesity, clinical nutrition, social sciences and health economy as related to nutrition and metabolism and nutrition policy. Laboratory-based science may include descriptions of relevant experimental models. In addition to Original Papers, the journal will publish Review Articles on topical subjects, Systematic Reviews, short Commentaries and Viewpoint articles that may address current controversies, short Meeting Reports, Letters to the Editor, and Announcements/Society News. The journal will also publish Supplements with proceedings from internationally relevant conferences on nutrition and metabolism.

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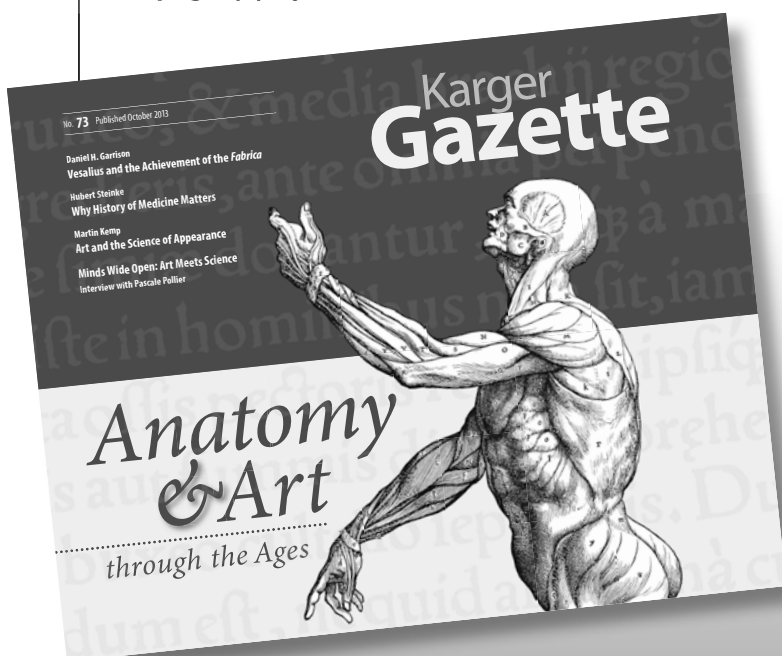
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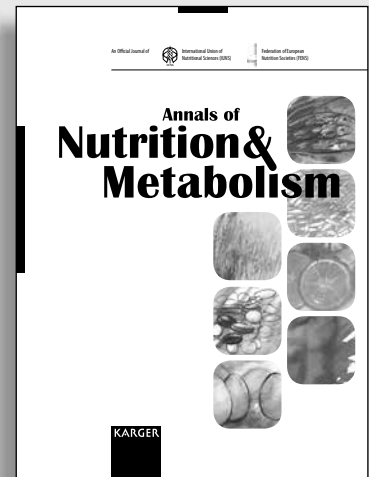
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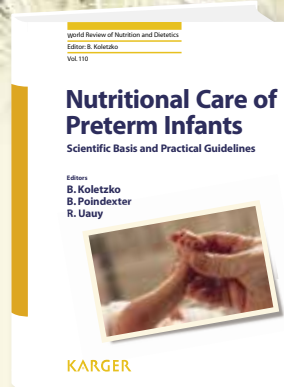
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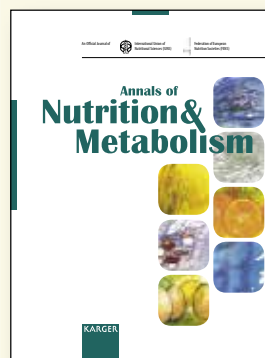
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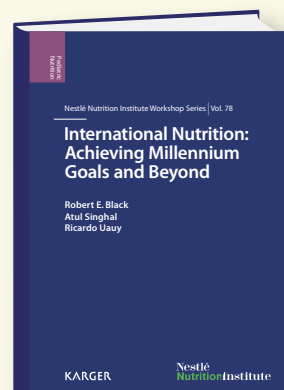
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