

# JOURNAL OF DEVELOPMENTAL ORIGINS OF HEALTH AND DISEASE



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# Journal of Developmental Origins of Health and Disease

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The Society (Registered Charity Number 1116722) was set up to promote research into the fetal and early-life origins of disease and involves scientists from many backgrounds. Full details can be found at: [www.dohadsoc.org](http://www.dohadsoc.org)

## Aims of the Society

- To promote the co-ordination of a research strategy in different countries, for the scientific exploration of early human development in relation to chronic disease in later life
- To promote the development and application of public health strategies to prevent chronic disease
- To advocate for the need for funds from governmental and non-governmental sources for research in the developmental origins of health and disease
- To champion training opportunities for scientists and clinicians
- To foster regular meetings to discuss research findings and potential intervention
- To promote the interchange of ideas, staff and expertise between laboratories across the world
- To make representations to government, NGOs and other relevant agencies concerning the health implications of DOHaD

The Society is governed by an executive committee (“Council”) comprising President, Secretary and Treasurer, seven trustees, and an advisory committee of up to 24 members representing regions of the world and scientific specialties. Members of Council are chosen by a vote by all members of the Society and serve for a term of three years.

## Advantages of membership

- Opportunity to join an international scientific network which promotes an interdisciplinary and integrative approach to research
- Subscription to *Journal of Developmental Origins of Health and Disease (J DOHAD)*
- Two-monthly newsletter highlighting hot topics and current research initiatives across the field
- Preferential registration rates at the two-yearly DOHaD World Congress
- Eligibility to apply for financial support for workshops and advertising space for workshops on the website
- Details of relevant workshops, meetings and conferences on the website
- A password-protected section of the website, giving members’ key publications and contact details



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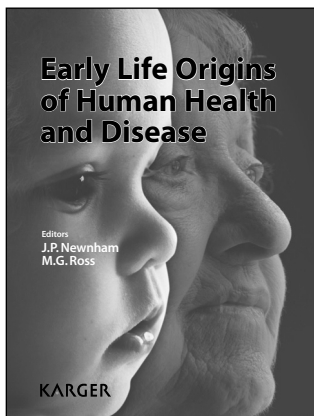
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# Early Life Origins of Human Health and Disease

**Editors**  
**John P. Newnham**  
**Michael G. Ross**

Pediatrics; Obstetrics; Internal Medicine; General Medicine; Preventive Medicine; Allergy; Cardiovascular System; Cell Biology; Diabetes; Endocrinology; Genetics; Metabolism; Molecular Biology; Neonatology; Nephrology; Neurobiology; Obesity; Oncology; Psychiatry; Reproduction; Respiratory System; Social Medicine

There is compelling evidence that many of the risks leading to the most frequent chronic diseases in adulthood originate in the earliest stages of life. Adverse environmental conditions in utero and during infancy can lead to negative health effects during the subsequent lifetime of the exposed individual.

This book offers precious insights into the latest concepts and results from epidemiologic, clinical and basic studies in this burgeoning area of health care. The developmental origins of various diseases such as diabetes, obesity and cancer are examined, as well as the early programming of reproductive health and different organs. Attention is given to the impact of environmental factors such as nutrition and pollution, and the mediating genetic and epigenetic pathways are reviewed. A crucial point under discussion is the concept of environmental insults adversely affecting not only the exposed persons, but also their descendants. In addition, the economic consequences of a suboptimal start to life and the importance of preventive measures are stressed.

This publication is of great value to anyone interested in health care, notably to specialists in obstetrics, pediatrics, internal medicine, obesity, diabetes and heart disease.

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## Early Life Origins of Human Health and Disease

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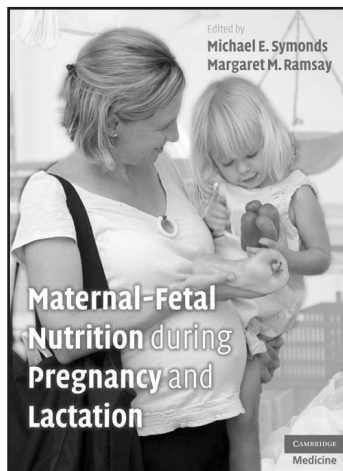
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## Maternal-Fetal Nutrition During Pregnancy and Lactation

Michael E. Symonds, University of Nottingham, UK  
Margaret Ramsay, University of Nottingham, UK

Improving clinicians' understanding of effects nutrition can have on maternal health and fetal and neonatal development can have considerable impact on achieving a healthy pregnancy and reducing childhood morbidity. This book defines the nutritional requirements with regard to each stage of fetal development and growth, placing scientific developments into a clinical context. Clinicians and scientists discuss how the fetus grows and what macro- and micronutrients it requires, what happens when there is nutrient deficiency and when placental development is abnormal and aspects of infant feeding, both with breast milk and formula milk.

Specific problems encountered in pregnancy that pose a nutritional challenge are also considered, including pregnancy in teenagers, multiple pregnancies and pregnancy in those who are vegetarians or vegans. Essential reading for all doctors, health-care workers and scientists who either care for women, their newborn and growing infants, or who are involved in research in these areas.

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