

ESTABLISHING THE MICROBIOME IN EARLY LIFE

The role of prebiotics in infant nutrition
and why it matters in infants with IEMs

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CONTENTS

- ▶ ESTABLISHING THE MICROBIOME IN EARLY LIFE.
The role of prebiotics in infant nutrition and why it matters in infants with IEMs
- ▶ Speaker biography: *Dr. Kelly Tappenden*
- ▶ Practical resources and reference links

ESTABLISHING THE MICROBIOME IN EARLY LIFE

The role of prebiotics in infant nutrition and why it matters in infants with IEMs

Dr. Kelly Tappenden

Description:

This webinar will cover topics such as microbiome and infant nutrition. Participants will be able to apply knowledge of prebiotics and gut health when caring for infants with metabolic disorders.

Session objectives:

- Understand the importance of the intestinal microbiome;
- Describe the role of prebiotics in infant nutrition;
- Review how this knowledge applies to infants with inborn errors of metabolism



DR. KELLY TAPPENDEN

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Dr. Kelly Tappenden is Professor and Head of the Department of Kinesiology and Nutrition at the University of Illinois at Chicago. Dr. Tappenden's research program focuses on intestinal failure, mechanisms of intestinal adaptation and patient malnutrition. For these contributions, she has received multiple awards, published over 100 peer-reviewed papers and delivered over 400 invited lectures. Dr. Tappenden served as the 33rd President of the American Society for Parenteral and Enteral Nutrition in 2008-09, Chair of the Nutrition, Metabolism and Obesity section of the American Gastroenterology Association Institute from 2009-13, and represents the American Society for Nutrition on the Federation of American Societies for Experimental Biology. Currently, she is the Editor-in-Chief of the Journal for Parenteral and Enteral Nutrition.

PRACTICAL RESOURCES AND REFERENCE LINKS

▶ **Prebiotic effects: metabolic and health benefits**

Roberfroid M, et al. *Br J Nutr.* 2010;104:S1-63. Review.

[Free at ILSI Europe](#)

▶ **Gut Health in Early Life: Significance of the Gut Microbiota and Nutrition for Development and Future Health**

This book is an overview of early gut development, the role of gut microbiota and how it influences short- and long-term health.

The book is edited by international experts in the field: Professor Raanan Shamir (Professor of Pediatrics at the Sackler Faculty of Medicine, Tel Aviv University), Professor Ruurd van Elburg (Professor of Early Life Nutrition at Amsterdam UMC), Professor Jan Knol (Professor of Intestinal Microbiology in Early Life, Wageningen University) and Professor Christophe Dupont (Head of Pediatrics-Gastroenterology at the Necker Hospital Paris).

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Professor of Intestinal Microbiology in Early Life at Wageningen University, Jan Knol said,

“The critical role of the gut microbiota in human health is clearly recognised today, and it makes us aware of the importance of its establishment in early life.”

▶ **The Biotics Family in Early Life**

This book examines the role of ‘dietary biotics’ in supporting the development of a healthy, balanced gut microbiota and immune system.

The editorial team includes Professor Seppo Salminen (Professor, Director Functional Foods Forum, Faculty of Medicine, University of Turku, Turku, Finland); Professor Hania Szajewska (Professor and Chair, Department of Paediatrics, The Medical University of Warsaw, Warsaw, Poland) and Professor Jan Knol (Professor of Intestinal Microbiology in Early Life, Wageningen University/Director – Gut Biology & Microbiology Platform, Danone Nutricia Research, The Netherlands).

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METABOLICS