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Maternal Nutrition and Newborn Health: An Old Relationship Endorsed by Recent Evidence

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Deadline for manuscript submissions:

closed (5 April 2024)

Message from the Guest Editors

Dear Colleagues,

The theory of the developmental origin of health and disease is based on the concept that the origins of lifestyle-related disease are formed at the time of fertilization, embryonic, fetal, and neonatal stages by the interrelation between genes and the environment, including nutrition, stress, and environmental chemicals. Consequently, a suboptimal nutrition in early life, including prenatally as assessed by fetal growth restriction according to the gestational age, increases the susceptibility to the metabolic syndrome, including obesity, diabetes, insulin insensitivity, hypertension, hyperlipidemia, and complications that include coronary heart disease and stroke in adulthood.

This special issue aims to report and summarize the current knowledge on the relationship between optimal maternal nutrition and feto-neonatal wellbeing as short-term effects and health status in adulthood as long-term effects.

All types of research evidence are welcome to elucidate the impact of safe nutrition in early life.



mdpi.com/si/157240

Special Issue



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