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Nota di contenuto	Demography of obesity / Maria Regina Torloni, Ana Pilar Betran, and

Mario Merialdi -- Determinants of obesity / Cuilin Zhang and Frank B. Hu -- Obesity and fertility / Jorge E. Chavarro and Thomas L. Toth -- Maternal outcomes in obese pregnancies / Eugene Oteng-Ntim and Pat Doyle -- Potential mechanisms contributing to gestational diabetes and pre-eclampsia in the obese woman / Naveed Sattar and Dilys J. Freeman -- Fetal and infant outcomes in obese pregnancies / Ruth Bell, Peter W.G. Tennant, and Judith Rankin -- Obesity in pregnancy and mental health / Louise M. Howard and Helen Croker -- Long-term consequences of obesity in pregnancy for the mother / Andrea Deierlein and Anna Maria Siega-Riz -- Long-term consequences of maternal obesity and gestational weight gain for offspring obesity and cardiovascular risk : intrauterine or shared familial mechanisms / Abigail Fraser and Debbie A. Lawlor -- Influences of maternal obesity on the health of the offspring : a review of animal models / Lucilla Poston, Paul D. Taylor, and Peter Nathanielsz -- Developmental origins of obesity : energy-balance pathways - appetite : the role of developmental plasticity of the hypothalamus / Sebastien G. Bouret -- Adipose tissue development and its potential contribution to later obesity / Shalini Ojha, Helen Budge, and Michael E. Symonds -- Maternal diet and nutritional status and risk of obesity in the child : the role of epigenetic mechanisms / Melissa A. Suter and Kjersti Aagaard-Tillery -- Intervention strategies to improve outcome in obese pregnancies : focus on gestational weight gain / Emily Oken and Matthew W. Gillman -- Intervention strategies to improve outcome in obese pregnancies : insulin resistance and gestational diabetes / Scott M. Nelson and Lucilla Poston -- Intervention strategies to improve outcome in obese pregnancies : micronutrients and dietary supplements / Lisa M. Bodnar and Meredith S. Parrott -- Pre-pregnancy bariatric surgery : improved fertility and pregnancy outcome / Roland G. Devlieger and Isabelle Guelinck -- Clinical management of obesity in pregnancy / Carolyn Chiswick and Fiona C. Denison -- Public health policies relating to obesity in childbearing women / Kathleen M. Rasmussen.

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#### Sommario/riassunto

Afflicting more than 300 million women across the globe, obesity has profound effects on health during pregnancy and on the wellbeing of the unborn child. In the face of such a challenging pandemic, this book reviews the latest research and provides up-to-date advice on clinical management. *Maternal Obesity* addresses the adverse effects of obesity among women of childbearing age, including infertility, medical complications, problems in labor, and adverse birth outcomes, and it reviews evidence that the obese mother's in utero environment has long-lasting influences on the health of the developing child. Chapters cover basic, clinical, and population perspectives, providing a range of valuable information from mechanistic insight through to public health and policy implications. Invaluable for obstetricians, gynaecologists, paediatricians, general and family physicians, subspecialists in obstetric and paediatric medicine, midwives, and dietitians, as well as researchers and public health policy makers seeking to tackle the burden of maternal obesity-related illness.

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