
Comprehensive Gynecology and Obstetrics

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Editor

Preeclampsia

Basic, Genomic, and Clinical

 Springer

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Preface

The frequency of preeclampsia is 2–8% of pregnancies. Preeclampsia causes the highest risk of poor outcome for both the mother and the baby. More than 70,000 maternal deaths and 500,000 neonatal deaths are caused by preeclampsia each year. Therefore, we must understand the pathophysiology of preeclampsia and establish prevention methods, new therapies, or both.

For this book, we have invited 17 international contributors—among the best in the field—to discuss the risk factors of preeclampsia, genetic background in preeclampsia, pathological findings in preeclampsia, the pathophysiology of preeclampsia, the prediction of preeclampsia, new therapy for preeclampsia and the future risk for cardiovascular events in preeclamptic cases.

In all sections of the book, recent advanced data have been introduced, and I believe that readers will see the whole picture of this difficult and refractory disease, preeclampsia. Recent advances in medical science have achieved great developments for the management of preeclampsia from the new point of view of pathophysiology. In this book, several new hypotheses of that pathophysiology are introduced, and these new concepts may surprise readers. Medical science is making steady progress, thus readers will be able to understand the new findings as well as plan new prevention methods and therapy in the near future.

I sincerely hope that this book becomes a useful resource not only for basic scientists but also for clinicians. To younger generations who have just begun their research, this book is very useful for understanding preeclampsia from its basic scientific background to clinical management.

I express my gratitude to all the contributors and to Ms. Machi Sugimoto at Springer Japan for her kind cooperation for the publication of this book.

Toyama, Japan

Shigeru Saito, M.D., Ph.D.

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