
Obstetric Anesthesia for Co-morbid Conditions

Berrin Gunaydin • Samina Ismail
Editors

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 Springer

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Foreword

Women with congenital and acquired disorders are able to enjoy longer and higher quality lives, which commonly now extend into the childbearing years. Once there, by design or by chance, these women are becoming pregnant; globally, there has been a significant increase in the prevalence of pregnant women with preexisting medical conditions.

For the anesthesiologist, these comorbidities have increased the complexity of care, the need for multidisciplinary consultations and conferences, and the consideration of additional lines, monitors, and tests. During and after the delivery, women remain at risk of decompensation, as the physiologic and anatomic demands associated with the disorder and pregnancy respond to the labor, birth, and other interventions. Continued and close observation, sometimes in a higher acuity setting (critical care, telemetry, or observation unit), is sometimes necessary.

These issues highlight the importance of this current, evidence-based textbook. The respected editors Berrin Gunaydin and Samina Ismail have assembled a global team of experts to guide us. Further, they assigned them to examine and expose disease conditions that we will likely see. In doing so, they have created a resource that is at once global, timely, and applicable. I fully anticipate that the anesthesia providers who use this textbook, and the women and fetuses for whom they care, will benefit greatly.

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Preface

Advancements in medical sciences have resulted in increased life span and better quality of life for women suffering from severe systemic diseases. As a result, more of these women are reaching childbearing age and are able to fulfill their dreams of becoming pregnant with a reasonable chance of carrying the child into the third trimester.

Therefore, providing safe obstetric anesthesia and analgesia to these obstetric patients has become an integral part of everyday anesthesia care. Extensive research and education on obstetric patients with comorbid conditions have led to tremendous improved outcomes in the management of these high-risk patients. Considering the importance of this topic, all obstetric anesthesia-related books have a dedicated section on this subject. Therefore, one would wonder the need for a separate book dedicated to obstetric anesthesia for comorbid conditions. What makes this book unique is relevant coverage of specific disorders that may be encountered in daily anesthesia practice but are often missed in most other competitive textbooks. It is designed to provide targeted information particularly on the anesthetic considerations and management of not only non-obstetric diseases during pregnancy but also pregnancy-induced diseases. In addition, it is believed that this book can serve as an introductory source of information and as a reference guide, therefore making it equally valuable to a trainee and to an established experienced anesthesiologist. We acknowledge the important role of all the outstanding anesthesiologists for their scientific contribution. We are extremely grateful to Springer International Publishing AG and to Ms. Kripa Guruprasad the project coordinator, Ms. Suganya Selvaraj the project manager and Ellen Blasig. Finally, we would like to thank the readers for their zest for knowledge for provision of safe and compassionate care for obstetric patients suffering from comorbid conditions for the better outcome of both mothers and the newborns.

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Samina Ismail

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I am very thankful to Professor Berrin Gunaydin, who had approached me to edit this book with her and had been the driving force behind the completion of this book.

Samina Ismail

It has been a privilege to work with Professor Samina Ismail; I appreciate her great contribution and motivation to share my dedication and ambition in this project.

Berrin Gunaydin

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