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EMERGENCY MEDICINE ORAL BOARD REVIEW ILLUSTRATED

Second Edition

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The authors dedicate this book to their shared mentor, Sheldon Jacobson, MD. Having spent decades perfecting the art of bedside teaching, he has been a role model and an advocate for generations of young faculty. With his support and guidance the authors have begun what they hope will be an equally long and rewarding journey in patient care, advocacy, and medical education.

YO: To my wife, who is my strength and best friend; my two daughters who show me how to enjoy life every day to its fullest; my parents who always allowed me to question; my family, friends, and colleagues for their timeless support; and my residents and students who teach me something new every day.

BPN: Throughout my career I have been fortunate to work with passionate, talented individuals who continually exceed my expectations. I am proud to have worked with so many of them in creating this book. I am humbled by the love and support of my family; they are responsible for all the great joys of my life.

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Preface

The accreditation process for emergency medicine in the United States is considered to be one of the most difficult among all medical specialties, with residents required to pass both a written and oral examination to gain certification. This book allows the reader to apply a case-based interactive approach to studying for the oral board examination, while also providing an excellent introduction to the field. Featuring more than 100 cases derived from the *Model of Clinical Practice of Emergency Medicine*, with an emphasis on EKGs, CT scans, x-rays, and ultrasounds, this book is a model resource for the practicing emergency medicine resident. The reader can easily practice cases alone or with a partner and can follow up with key points of critical actions, clinical pearls, and references. The appendixes are loaded with high-yield information on subjects emphasized in the oral board examination, such as pediatric, cardiovascular, traumatic, and toxicological disorders. This book truly allows the reader to feel actively immersed in the case.

Some of the diagnoses featured in this book include: Iron overdose, congenital hyper-trophic pyloric stenosis, hemorrhagic stroke, tension pneumothorax, Boerhaave syndrome, necrotizing fasciitis, Henoch-Schönlein purpura, abdominal aortic aneurysm, thermal burn 30%, Steven-Johnson syndrome, febrile syndrome, ectopic pregnancy, inferior wall myocardial infarction, thrombotic thrombocytopenic purpura, Ludwig's angina, cavernous sinus thrombosis, Kawasaki syndrome, high altitude cerebral edema, Fournier gangrene, neck trauma, pancreatitis, alcohol withdrawal, pelvis fracture, childhood trauma—abuse, necrotizing enterocolitis, cold water immersion, congenital coarctation, isoniazid overdose, elder abuse, and carotid artery dissection.

Dr. Yasuharu Okuda is the Director of the Institute for Medical Simulation and Advanced Learning for the Health and Hospitals Corporation (HHC) of New York City and is responsible for training clinical providers across all 11 NYC HHC hospitals using case-based simulation. He holds dual appointments in Emergency Medicine (EM) and Medical Education at The Mount Sinai School of Medicine and has significant experience in residency education as a former associate program director of EM. He received his MD from New York Medical College and completed his training at Mount Sinai Emergency Medicine Residency. He holds appointments on multiple national committees including Co-Chair of the Emergency Medicine Special Interest Group for the Society for Simulation in Healthcare and Vice-Chair of the SAEM Simulation Academy. He has received numerous awards in education and is

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published in the areas of simulation and neurological emergencies. His research focus is in human factors in health care, using simulation to improve safety and quality of patient care.

Dr. Bret P. Nelson is an assistant professor of Emergency Medicine at the Mount Sinai School of Medicine. He is the Associate Residency Director and the Director of Emergency Ultrasound for the department. He received his MD from SUNY Stony Brook School of Medicine and completed his training at the Harvard Affiliated Emergency Medicine residency program at the Massachusetts General and Brigham & Women's Hospitals. He has lectured throughout the United States, Europe, and Asia and has earned awards for teaching from Harvard Medical School and Mount Sinai. His research interests include bedside ultrasound and medical education, and he is coauthor of the *Manual of Emergency and Critical Care Ultrasound* (Cambridge University Press).

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