

Tintinalli's Emergency Medicine

A Comprehensive Study Guide

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A Comprehensive Study Guide

Ninth Edition

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ISBN: 978-1-26-001994-0

MHID: 1-26-001994-2

The material in this eBook also appears in the print version of this title: ISBN: 978-1-26-001993-3,
MHID: 1-26-001993-4.

eBook conversion by codeMantra
Version 1.0

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*To my keenest supporters, my husband, Burton Fox, and my emergency medicine physician daughter,
Anne Tintinalli, MD.*

Judith E. Tintinalli, MD, MS

For Elizabeth, the love of my life.

O. John Ma, MD

*I thank the people who trusted me with their care needs; the people who taught me how to think and
to be a physician and scientist; the partners over the years who made me better; and to my family,
who always supported and cared for me.*

Donald M. Yealy, MD

*To the patients, nurses, students, and mentors who teach me every day and
to my partner, Steve, for his support and patience.*

Garth D. Meckler, MD, MSHS

*I dedicate this edition to my grandson, Charlie. In his eyes, I am just "Grandpa."
And that means the world to me.*

Joseph Stephan Stapczynski, MD

*To my family, mentors, fellow clinicians, residents, students,
and patients who give meaning to this work.*

David M. Fine, MD

To Cathrine, Sarah Alice, and Caroline, who make it all worthwhile.

Stephen H. Thomas, MD, MPH

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