

CONTENTS

| | |
|---|-----------|
| <i>Dedication</i> | v |
| <i>Note About the Book</i> | vi |
| <i>About the Authors</i> | xi |
| <i>Contributing Authors</i> | xiii |
| <i>Foreword by John M. O'Donnell, DrPH, MSN, RN, CRNA, CHSE, FSSH, FAANA</i> | xv |
| <i>Introduction</i> | xvii |
| | |
| Chapter 1 Introduction to Simulation: Evidence..... | 1 |
| <i>Joanne M. Baird, PhD, OTR/L, CHSE, FAOTA and</i> <i>E. Adel Herge, OTD, OTR/L, FAOTA</i> | |
| Section I Introduction to Kern's Model | 7 |
| <i>Kern's Model Step 1—Problem Identification and General Needs Assessment</i> | 9 |
| Chapter 2 Evidence for Linking Simulation Instructional Methods With Clinical Experiences..... | 11 |
| <i>E. Adel Herge, OTD, OTR/L, FAOTA; Leslie Cody, MS, OTR/L; and</i> <i>Audrey L. Zapletal, OTD, OTR/L, CLA</i> | |
| Section II Kern's Model Step 2—Targeted Needs Assessment | 27 |
| Chapter 3 Clinicians and Educators: A Partnership in Simulation..... | 29 |
| <i>Jean E. Prast, OTD, MSOT, OTRL, CHSE and</i> <i>Joanne M. Baird, PhD, OTR/L, CHSE, FAOTA</i> | |
| Chapter 4 Creating Your Simulation: Where Do You Begin? Appreciative Inquiry Approach..... | 37 |
| <i>E. Adel Herge, OTD, OTR/L, FAOTA</i> | |
| Section III Kern's Model Step 3—Goals and Objectives | 45 |
| Chapter 5 How Does Learning Occur: Educational Theories to Support Simulation..... | 47 |
| in Education and Training <i>Maureen M. Hoppe, EdD, MA, OTR/L, CPAM, CHSE and</i> <i>Tracy Van Oss, DHSc, MPH, OTR/L, FAOTA, CHSE</i> | |
| Chapter 6 Developing Learning Objectives..... | 57 |
| <i>Jean E. Prast, OTD, MSOT, OTRL, CHSE and</i> <i>Tracy Van Oss, DHSc, MPH, OTR/L, FAOTA, CHSE</i> | |
| Chapter 7 Art and Science of Measurement: Assessment Development for Simulation..... | 65 |
| <i>Tracy Van Oss, DHSc, MPH, OTR/L, FAOTA, CHSE and</i> <i>E. Adel Herge, OTD, OTR/L, FAOTA</i> | |
| Section IV Kern's Model Step 4—Educational Strategies | 79 |
| Chapter 8 Simulation Modalities and Fidelity..... | 81 |
| <i>Joanne M. Baird, PhD, OTR/L, CHSE, FAOTA and</i> <i>Maureen M. Hoppe, EdD, MA, OTR/L, CPAM, CHSE</i> | |
| Chapter 9 Virtual Learning in Simulation..... | 91 |
| <i>Jean E. Prast, OTD, MSOT, OTRL, CHSE and</i> <i>Maureen M. Hoppe, EdD, MA, OTR/L, CPAM, CHSE</i> | |

| | | |
|-------------------|--|------------|
| Chapter 10 | Gamification and Gameful Simulation..... | 101 |
| | <i>Victoria L. B. Grieve, PharmD</i> | |
| Chapter 11 | Simulation Design and the Impact on Student Stress..... | 109 |
| | <i>Jennifer A. Merz, OTD, OTR/L; Pari Kumar, OTD, OTR/L; and Audrey L. Zapletal, OTD, OTR/L, CLA</i> | |
| Section V | <i>Kern's Model Step 5—Implementation</i> | 117 |
| Chapter 12 | Simulation on a Budget: Creative Solutions..... | 119 |
| | <i>Jean E. Prast, OTD, MSOT, OTRL, CHSE and Maureen M. Hoppe, EdD, MA, OTR/L, CPAM, CHSE</i> | |
| Chapter 13 | Designing the Simulation Encounter..... | 129 |
| | <i>Audrey L. Zapletal, OTD, OTR/L, CLA; Joanne M. Baird, PhD, OTR/L, CHSE, FAOTA; E. Adel Herge, OTD, OTR/L, FAOTA; and Maureen M. Hoppe, EdD, MA, OTR/L, CPAM, CHSE</i> | |
| | Part 1: Overview | 130 |
| | Part 2: Scenario Development and Implementation..... | 133 |
| | Part 3: Manikins and Task Trainers..... | 150 |
| | Part 4: Simulated Patients/Standardized Patients..... | 153 |
| | Part 5: Sample Scenario Using Standardized Patients..... | 159 |
| | <i>Audrey L. Zapletal, OTD, OTR/L, CLA</i> | |
| | Part 6: Designing and Implementing Simulation..... | 163 |
| Chapter 14 | Recruit, Screen, and Train Standardized Patients | 169 |
| | <i>Audrey L. Zapletal, OTD, OTR/L, CLA; Chalia Bellis, MS, OTR/L; and Madeleine Clements, MS, OTR/L</i> | |
| Section VI | <i>Kern's Model Step 6—Evaluation and Feedback</i> | 175 |
| Chapter 15 | Debriefing: Developing the Debriefing Session..... | 177 |
| | <i>Joanne M. Baird, PhD, OTR/L, CHSE, FAOTA and Tracy Van Oss, DHSc, MPH, OTR/L, FAOTA, CHSE</i> | |
| Chapter 16 | Simulation Program Evaluation..... | 197 |
| | <i>Audrey L. Zapletal, OTD, OTR/L, CLA</i> | |
| Chapter 17 | Simulation and Research | 203 |
| | <i>Tracy Van Oss, DHSc, MPH, OTR/L, FAOTA, CHSE</i> | |
| Appendix A | Initial Standardized Patient Encounter for Athletic Training Students..... | 207 |
| | <i>Quinnipiac University, Susan Norkus, PhD, ATC</i> | |
| Appendix B | National League for Nursing Simulation Design Template | 215 |
| | <i>National League for Nursing</i> | |
| Appendix C | Physician Assistant Program Simulation Scenarios: Asthma | 231 |
| | <i>Quinnipiac University, Dennis Brown, DrPH, MPH, PA-C</i> | |
| Appendix D | Department of Physician Assistant Studies Simulation Scenario: | 249 |
| | Chest Pain Angina <i>Quinnipiac University, Dennis Brown, DrPH, MPH, PA-C</i> | |
| Appendix E | RxPedition: Gameful Simulation for Teaching Drug Development..... | 265 |
| | <i>Victoria L. B. Grieve, PharmD</i> | |

| | | |
|------------|---|-----|
| Appendix F | Pharmacy: Telephonic Standardized Patient Calls..... | 267 |
| | <i>Victoria L. B. Grieve, PharmD</i> | |
| Appendix G | Standardized Patient Simulation for Mobility Training in the Intensive Care Unit | 269 |
| | <i>University of Pittsburgh, Andrea L. Hergenroeder, PhD, PT and Victoria Hornyak, PT, DPT</i> | |
| Appendix H | Occupational Therapy in a Skilled Nursing Facility/Long-Term Care..... | 283 |
| | <i>Virginia Commonwealth University, Carole Ivey, PhD, OTR/L, FAOTA and Jaime Smiley, MS, OTR/L</i> | |
| Appendix I | Using Standardized Patients in the Occupational Therapy Curriculum..... | 311 |
| | <i>Audrey L. Zapletal, OTD, OTR/L, CLA; Madeleine Clements, MS, OTR/L; Pari Kumar, OTD, OTR/L; Jennifer A. Merz, OTD, OTR/L; and Chalia Bellis, MS, OTR/L</i> | |
| | <i>Financial Disclosures</i> | 317 |
| | <i>Index</i> | 319 |

Instructors: *Clinical Simulation for Health Care Professionals* includes ancillary materials specifically available for faculty use. Please visit <http://www.efacultylounge.com> to obtain access.