

Introduction to Maternity and Pediatric Nursing 9th Edition PDF

Visit the link below to download the full version of the ebook

[DOWNLOAD NOW](#)

EDITION

9

Introduction to Maternity and Pediatric Nursing

Leifer



Evolve®

Study
Access



Scan to Download
or Type the Link

ebook.ac/introduction9e

EDITION

9

Introduction to Maternity and Pediatric Nursing

Leifer



Evolve®

Student Resources on Evolve
Access Code Inside

Introduction to Maternity and Pediatric Nursing

NINTH EDITION

Gloria Leifer, RN, MA, CNE

*Professor, Obstetric and Pediatric Nursing, Riverside City College,
Riverside, California*

Kimberly Townsend Little, PHD, RN,
WHNP-BC, CNE

Professor, Longwood University, Farmville, Virginia



Table of Contents

Cover image

Title page

Evolve Student Resources

Copyright

Dedication

Acknowledgments

In Memoriam

Contributors and Reviewers

LPN Threads and Advisory Board

To the Instructor

Education of the Nurse

About This Text

To the Student

Unit I: An Overview of Maternity and Pediatric Nursing

1. The Past, Present, and Future

Key Terms

The Past

The Present

The Future

Get Ready for the NCLEX[®] Examination!

Review Questions for the NCLEX[®] Examination

Critical Thinking Questions

Unit II: Maternal-Newborn Nursing and Women's Health

2. Human Reproductive Anatomy and Physiology

Key Terms

Puberty

Reproductive Systems

The Human Sexual Response

Get Ready for the NCLEX[®] Examination!

Additional Learning Resources

Review Questions for the NCLEX® Examination

Critical Thinking Questions

3. Fetal Development

Key Terms

Cell Division and Gametogenesis

Fertilization

Development

Accessory Structures of Pregnancy

Fetal Circulation

Fetal Programming of Adult Health

Multifetal Pregnancy

Get Ready for the Next-Generation NCLEX® Examination!

Additional Learning Resources

Clinical Judgment and Next-Generation NCLEX® Examination-
Style Questions

Critical Thinking Questions

4. Prenatal Care and Adaptations to Pregnancy

Key Terms

Goals Of Prenatal Care

Preconception Care And Interconceptual Care

Prenatal Visits

Definition Of Terms

Determining the Estimated Date of Delivery

Diagnosis Of Pregnancy

Physiological Changes in Pregnancy

Nutrition For Pregnancy And Lactation

Exercise During Pregnancy

Smoking During Pregnancy

Travel During Pregnancy

Common Discomforts In Pregnancy

Psychosocial Adaptation to Pregnancy

Prenatal Education

Effect of Pregnancy and Lactation on Medication Metabolism

Immunizations During Pregnancy

Nursing Care During Pregnancy

Get Ready for the Next-Generation NCLEX® Examination!

Additional Learning Resources

Clinical Judgment And Next-Generation NCLEX® Examination-Style Questions

Critical Thinking Questions

5. Nursing Care of Women with Complications During Pregnancy

Key Terms

Assessment of Fetal Health

Pregnancy-Related Complications

Pregnancy Complicated by Medical Conditions

Environmental Hazards During Pregnancy

Effects of a High-Risk Pregnancy on the Family

Get Ready for the Next-Generation NCLEX® Examination!

Additional Learning Resources

Clinical Judgment And Next-Generation NCLEX® Examination-Style Questions

6. Nursing Care of Mother and Infant During Labor and Birth

Key Terms

Cultural Influence on Birth Practices

Settings for Childbirth

Components of the Birth Process

Normal Childbirth

Admission to the Hospital or Birth Center

Nursing Care of the Woman in False Labor

Nursing Care Before Birth

Stages and Phases of Labor

Vaginal Birth After Cesarean

Nursing Care During Birth

Nursing Care Immediately After Birth

Cord Blood Banking

Microbiomes and Nursing Care During Labor and Delivery

Ready for the Next-Generation NCLEX® Examination!

Additional Learning Resources

Clinical Judgment And Next-Generation NCLEX® Examination-
Style Questions

Critical Thinking Question

7. Nursing Management of Pain During Labor and Birth

Key Terms

Education For Childbearing

Childbirth and Pain

Get Ready for the Next-Generation NCLEX® Examination!

Additional Learning Resources

Clinical Judgment and Next-Generation NCLEX® Examination-Style Questions

8. Nursing Care of Women with Complications During Labor and Birth

Key Terms

Obstetric Procedures

Abnormal Labor

Premature Rupture of Membranes

Preterm Labor

Prolonged Pregnancy

Emergencies During Childbirth

Get Ready for the Next-Generation NCLEX® Examination!

Additional Learning Resources

Clinical Judgment and Next-Generation NCLEX® Examination-Style Questions

9. The Family After Birth

Key Terms

Adapting Nursing Care for Specific Groups and Cultures

Cultural Influences on Postpartum Care

Postpartum Changes in the Mother

Emotional Care

Parenthood

The Family Care Plan

Get Ready for the Next-Generation NCLEX® Examination!

Additional Learning Resources

Clinical Judgment And Next-Generation NCLEX® Examination-
Style Questions

10. Nursing Care of Women with Complications After Birth

Key Terms

Shock

Hemorrhage

Thromboembolic Disorders

Infections

Mood Disorders

The Homeless Mother and Newborn

Get Ready for the Next-Generation NCLEX® Examination!

Additional Learning Resources

Clinical Judgment and Next-Generation NCLEX® Examination-
Style Questions

11. The Nurse's Role in Women's Health Care

Key Terms

Goals of Healthy People 2030

Preventive Health Care for Women

Menstrual Disorders

The Normal Vagina

Gynecological Infections

Family Planning

Menopause

Get Ready for the Next-Generation NCLEX® Examination!

Additional Learning Resources

Clinical Judgment and Next-Generation NCLEX® Examination-
Style Questions

12. The Term Newborn

Key Terms

Adjustment to Extrauterine Life

Phase 3: Care of the Newborn

Get Ready for the Next-Generation NCLEX® Examination!

Additional Learning Resources

Clinical Judgment and Next-Generation NCLEX® Examination-
Style Questions

Critical Thinking Question

13. Preterm and Postterm Newborns

Key Terms

The Periviable Newborn

The Preterm Newborn

The Postterm Newborn

Transporting the High-Risk Newborn

Discharge of the High-Risk (Preterm Birth) Newborn

Get Ready for the Next-Generation NCLEX® Examination!

Additional Learning Resources

Clinical Judgment and Next-Generation NCLEX® Examination-Style Questions

14. The Newborn with a Perinatal Injury or Congenital Malformation

Key Terms

Malformations Present at Birth

Metabolic Defects

Chromosomal Abnormalities

Perinatal Injuries

Infant of a Diabetic Mother

Get Ready for the Next-Generation NCLEX® Examination!

Additional Learning Resources

Clinical Judgment and Next-Generation NCLEX® Examination-
Style Questions

Unit III: The Growing Child and Family

15. An Overview of Growth, Development, and Nutrition

Key Terms

Growth and Development

Nutrition

Play

Traveling with Children

Ongoing Health Supervision

Get Ready for the NCLEX® Examination!

Review Questions for the NCLEX® Examination

16. The Infant

Key Terms

General Characteristics

Development and Care

Community-Based Care: A Multidisciplinary Team

Illness Prevention

Infant Safety

Summary of Major Developmental Changes in the First Year

Get Ready for the NCLEX® Examination!

Review Questions for the NCLEX® Examination

Critical Thinking Question

17. The Toddler

Key Terms

General Characteristics

Guidance and Discipline

Toilet Independence

Daily Care

Nutrition Counseling

Day Care

Injury Prevention

Toys and Play

Get Ready for the NCLEX® Examination!

Review Questions for the NCLEX® Examination

Critical Thinking Question

18. The Preschool Child

Key Terms

General Characteristics

Physical, Mental, Emotional, and Social Development

Guidance

Preschool

Daily Care

Accident Prevention

Play During Health and Illness

Nursing Implications of Preschool Growth and Development

Get Ready for the NCLEX® Examination!

Additional Learning Resources

Review Questions for the NCLEX® Examination

Critical Thinking Question

19. The School-Age Child

Key Terms

General Characteristics

Physical Growth

Sexual Development

Influences from the Wider World

Play

Latchkey Children

Physical, Mental, Emotional, and Social Development

Guidance and Health Supervision

Get Ready for the NCLEX® Examination!

Additional Learning Resources

Review Questions for the NCLEX® Examination

Critical Thinking Question

20. The Adolescent

Key Terms

General Characteristics

Growth and Development

Parenting the Adolescent

Health Promotion and Guidance

Common Problems of Adolescence

The Nursing Approach to Adolescents

Get Ready for the NCLEX® Examination!

Additional Learning Resources

Review Questions for the NCLEX® Examination

Critical Thinking Question

Unit IV: Adapting Care to the Pediatric Patient

21. The Child's Experience of Hospitalization

Key Terms

Health Care Delivery Settings

The Child's Reaction to Hospitalization

The Parents' Reactions to the Child's Hospitalization

The Nurse's Role in the Child's Hospitalization

Home Care

Get Ready for the NCLEX® Examination!

Additional Learning Resources

Review Questions for the NCLEX® Examination

Critical Thinking Question

22. Health Care Adaptations for the Child and Family

Key Terms

Admission to the Pediatric Unit

Data Collection, Observation, and Recording

Physiological Responses to Medications in Infants and Children

Nursing Responsibilities in Administering Medications to Infants and Children

Selected Procedures and their Adaptation to Children

Get Ready for the NCLEX® Examination!

Additional Learning Resources

Clinical Judgment and Next-Generation NCLEX® Examination-Style Questions

Unit V: The Child Needing Nursing Care

23. The Child With a Sensory or Neurological Condition

Key Terms

The Ears

The Eyes

The Nervous System

Get Ready for the Next-Generation NCLEX® Examination!

Additional Learning Resources

Clinical Judgment and Next-Generation NCLEX® Examination-Style Questions

Critical Thinking Question

24. The Child with a Musculoskeletal Condition

Key Terms

Musculoskeletal System

Musculoskeletal System: Differences Between the Child and the Adult

Observation and Assessment of the Musculoskeletal System in the Growing Child

Pediatric Trauma

Disorders and Dysfunction of the Musculoskeletal System

Family Violence

Child Abuse

Get Ready for the Next-Generation NCLEX® Examination!

Additional Learning Resources

Clinical Judgment and Next-Generation NCLEX® Examination-
Style Questions

Critical Thinking Question

25. The Child with a Respiratory Disorder

Key Terms

The Respiratory System

Get Ready for the Next-Generation NCLEX® Examination!

Additional Learning Resources

Clinical Judgment and Next-Generation NCLEX® Examination-
Style Questions

Critical Thinking Question

26. The Child with a Cardiovascular Disorder

Key Terms

The Cardiovascular System

Get Ready for the Next-Generation NCLEX® Examination!

Additional Learning Resources

Clinical Judgment and Next-Generation NCLEX® Examination-
Style Questions

Critical Thinking Questions

27. The Child with a Condition of the Blood, Blood-Forming Organs, or
Lymphatic System

Key Terms

Hematological System

Anemias

Bleeding Disorders

Disorders of White Blood Cells

Nursing Care of the Chronically ILL Child

Nursing Care of the Dying Child

Get Ready for the Next-Generation NCLEX® Examination!

Clinical Judgment and Next-Generation NCLEX® Examination-
Style Questions

Critical Thinking Question

28. The Child with a Gastrointestinal Condition

Key Terms

The Gastrointestinal Tract

Disorders and Dysfunction of the Gastrointestinal Tract

Get Ready for the Next-Generation NCLEX® Examination!

Clinical Judgment and Next-Generation NCLEX® Examination-
Style Questions

Critical Thinking Question

29. The Child with a Genitourinary Condition

Key Terms

Development of the Urinary Tract

Development of the Reproductive Systems

Assessment of Urinary Function

Impact of Urinary or Genital Surgery on Growth and
Development

Get Ready for the Next-Generation NCLEX® Examination!

Additional Learning Resources

Clinical Judgment and Next-Generation NCLEX® Examination-
Style Questions

Critical Thinking Question

30. The Child with a Skin Condition

Key Terms

Skin Development and Functions

Skin Disorders and Variations

Sunburn

Sunscreens

Nursing Care of the Burned Child

Frostbite

Get Ready for the Next-Generation NCLEX® Examination!

Additional Learning Resources

Clinical Judgment and Next-Generation NCLEX® Examination-
Style Questions

31. The Child with a Metabolic Condition

Key Terms

Integration of the Nervous and Endocrine Systems

Disorders and Dysfunction of the Endocrine System

Get Ready for the Next-Generation NCLEX® Examination!

Additional Learning Resources

Clinical Judgment and Next-Generation NCLEX® Examination-
Style Questions

32. Childhood Communicable Diseases, Bioterrorism, Natural Disasters, and the Maternal-Child Patient

Key Terms

Introduction

Common Childhood Communicable Diseases

Review of Terms

Host Resistance

Medical Asepsis, Standard Precautions, and Transmission-Based Precautions

Rashes

Worldwide Immunization Programs

The Future of Immunotherapy

Bioterrorism, Disasters, and the Maternal-Child Patient

Sexually Transmitted Infections

Get Ready for the Next-Generation NCLEX® Examination!

Additional Learning Resources

Clinical Judgment and Next-Generation NCLEX® Examination-Style Questions

33. The Child with an Emotional or Behavioral Condition

Key Terms

The Effect of an Emotional or Behavioral Illness on Growth and Development

The Nurse's Role

Types and Settings of Treatment

Childhood Mental Disorders

Organic Behavioral Disorders

Environmental or Biochemical Behavioral Disorders

Minimizing the Impact of Behavioral Disorders in Children

Get Ready for the Next-Generation NCLEX® Examination!

Clinical Judgment and Next-Generation NCLEX® Examination-
Style Questions

Unit VI: The Changing Health Care Environment

34. Complementary and Alternative Therapies in Maternity and Pediatric
Nursing

Key Terms

Complementary and Alternative Therapies

Get Ready for the Next-Generation NCLEX® Examination!

Additional Learning Resources

Clinical Judgment and Next-Generation NCLEX® Examination-
Style Questions

Critical Thinking Questions

Appendix A. Use of Personal Protective Equipment (PPE) When Caring For
Patients with Confirmed or Suspected COVID-19

Appendix B. The Joint Commission's List of Dangerous Abbreviations, Acronyms, and Symbols

Appendix C. Commonly Used Abbreviations in Maternity and Pediatric Nursing

Appendix D. Common Spanish Phrases Used in Maternity and Pediatric Nursing

Appendix E. Conversion of Pounds and Ounces to Grams for Newborn Weights

Appendix F. Normal Vital Signs and Temperature Equivalents for Infants and Children

Appendix G. Pediatric Laboratory Values Reference

References

Chapter 1

Chapter 2

Chapter 3

Chapter 4

Chapter 5

Chapter 6

Chapter 7

Chapter 8

Chapter 9

Chapter 10

Chapter 11

Chapter 12

Chapter 13

Chapter 14

Chapter 15

Chapter 16

Chapter 17

Chapter 18

Chapter 19

Chapter 20

Chapter 21

Chapter 22

Chapter 23

Chapter 24

Chapter 25

Chapter 26

Chapter 27

Chapter 28

Chapter 29

Chapter 30

Chapter 31

Chapter 32

Chapter 33

Chapter 34

Glossary

A

B

C

D

E

F

G

H

I

K

L

M
N
O
P
Q
R
S
T
U
V
W
X
Y
Z

Index

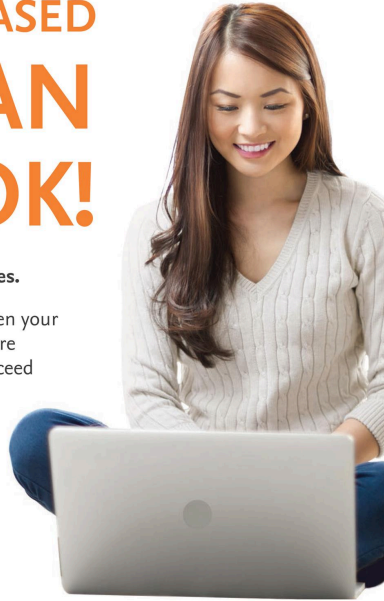


Evolve Student Resources



Evolve®

YOU'VE JUST PURCHASED MORE THAN A TEXTBOOK!



Enhance your learning with Evolve Student Resources.

These online study tools and exercises can help deepen your understanding of textbook content so you can be more prepared for class, perform better on exams, and succeed in your course.

Activate the complete learning experience that comes with each NEW textbook purchase by registering with your scratch-off access code at

<http://evolve.elsevier.com/Leifer>

If your school uses its own Learning Management System, your resources may be delivered on that platform. Consult with your instructor.

If you rented or purchased a used book and the scratch-off code at right has already been revealed, the code may have been used and cannot be re-used for registration. To purchase a new code to access these valuable study resources, simply follow the link above.

Place
Sticker
Here

REGISTER TODAY!



You can now purchase Elsevier products on Evolve!
Go to evolve.elsevier.com/shop to search and browse for products.

2019v1.0

Copyright

Elsevier
3251 Riverport Lane
St. Louis, Missouri 63043

INTRODUCTION TO MATERNITY AND PEDIATRIC NURSING,
NINTH EDITION
ISBN: 978-0-323-82680-8

Copyright © 2023 by Elsevier Inc. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or any information storage and retrieval system, without permission in writing from the publisher. Details on how to seek permission, further information about the Publisher's permissions policies and our arrangements with organizations such as the Copyright Clearance Center and the Copyright Licensing Agency, can be found at our website: www.elsevier.com/permissions.

This book and the individual contributions contained in it are protected under copyright by the Publisher (other than as may be noted herein).

Notice

Practitioners and researchers must always rely on their own experience and knowledge in evaluating and using any information, methods, compounds or experiments described herein. Because of rapid advances in the medical sciences, in particular, independent verification of diagnoses and drug dosages should be made. To the fullest extent of the

law, no responsibility is assumed by Elsevier, authors, editors or contributors for any injury and/or damage to persons or property as a matter of products liability, negligence or otherwise, or from any use or operation of any methods, products, instructions, or ideas contained in the material herein.

Previous editions copyrighted 2019, 2015, 2011, 2007, 2003, 1999, 1995 and 1990

Content Strategist: Brandi Graham

Senior Content Development Manager: Lisa P. Newton

Senior Content Development Specialist: Tina A. Kaemmerer

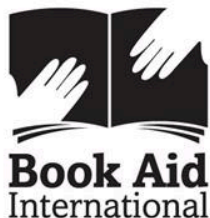
Publishing Services Manager: Shereen Jameel

Project Manager: Gayathri S

Design Direction: Renee Duenow

Printed in Canada

Last digit is the print number: 9 8 7 6 5 4 3 2 1



Working together
to grow libraries in
developing countries

www.elsevier.com • www.bookaid.org

Dedication

Dedicated to the memory of

Sarah Masseyaw Leifer

nurse, humanitarian, and mother

and

Daniel Peretz Hartston

pediatrician, husband, and world traveler

To the honor of

Barnet, Michelle, Daniel, Sofia, Tess, and McKenzie

Amos, Gina, Spencer, and Ryan

Heidi, Paul, and Ruby

Eve, Zoe, Elliot, and Ian

who remind me of the excitement and joys of parenthood

and the marvels of grandparenthood.

Gloria Leifer Hartston

Dedicated to the memory of

Ruth Elizabeth Blankenship

who believed in and encouraged me daily.

To the honor of

My daughters Heather, Hailey, and Hannah

who make me proud and honored to be their mom daily.

My parents Andy and Sandy

who support me 110%.

Kimberly Townsend Little

Acknowledgments

Gloria Leifer Hartston

I am grateful to the educators, clinicians, and students who provided constructive suggestions for earlier editions of *Introduction to Maternity and Pediatric Nursing*, many of whom influenced the revisions of this edition, especially in the decision to further develop the *unfolding case study*, which has become a popular technique in active learning, a variety of samples of different types of nursing care plans with various central themes that bring live applications to new concepts and the inclusion of more skills that are unique to obstetric and pediatric nursing. It is hoped that the attention to these expressed needs will make this edition even more valuable as a teaching and learning tool.

As a parent, I recognize the value and have experienced the joys of a happy, healthy, loving family. Guiding the growth and development of four tiny children who are now grown and productively contributing to society is a unique experience. I would like to express my gratitude to my children—Heidi, Barnet, Amos, and Eve—for their encouragement and patience. They have taught me firsthand what it means to be an anxious parent, thus in a sense providing some of the “evidence-based” content that may enable students to lessen the anxieties of other parents. In the last edition, my grandchildren—Zoe, Elliot, Ian, Ruby, Spencer, Ryan, Daniel, Sofia, Tess, and McKenzie—contributed to the text as models and promoted my understanding of the role of the grandparent in the modern day extended family. The experience of integrating a young foster child into the family further increased my sensitivity to child and family adaptation and an understanding of the various experiences that influence growth and development.

My past travels with my husband have made it possible for me to personally investigate and appreciate the importance of the cultural practices and challenges of maternity and pediatric care in developed and undeveloped areas in Africa, the Far East, the Middle East, and Europe, as well as in many parts of the United States, including Alaska. My appreciation is extended to the many members of the medical and nursing professions in these countries for their time, cooperation, and continued close communication.

I would also like to thank the medical and nursing staff of Riverside University Hospital System (RUHS) in Moreno Valley, California, and the Southern California Kaiser Permanente Medical Center in Fontana, California, for their assistance and informal cooperation in providing access to critical current information and practices.

I feel blessed to have had the support and encouragement of my clinical nursing peers, Elvie Kelly, Ha Jeong Jeong, Larry Miquelon, Elvira Rillon, Lori Lopez, and Challis Addis, who used their personal time to arrange for pictorial updates that serve as unique and valuable learning tools in this text.

The blending of traditional, current, and future concepts necessary for LPN/LVNs, and those who “ladder” into the ADN program, to function effectively in a changing health care environment into one text was a challenge that required cooperation and compromise. It was a pleasure to work with this publishing team in which simple exposition was allowed to develop into a hearty feast of knowledge that I hope will serve to educate and stimulate the appetite of the reader for continued education.

Finally, and most important, I would like to thank my nursing students from Fordham School of Nursing in the Bronx, Hunter College of the City University of New York, California State College at Los Angeles, and Riverside City College in California for helping me apply and redefine concepts of teaching and learning.



In Memoriam





Professor Gloria Leifer embarked on her nursing career in 1955 and soon identified a special interest in teaching and curriculum development. She obtained a master's degree in the art of teaching maternal-child nursing from Columbia University in New York in 1963 and entered doctoral study at Columbia University specializing in curriculum development in nursing.

She taught obstetric and pediatric nursing at Hunter College of the City University of New York for seven years until her marriage to a pediatrician brought her to California where she continued to teach obstetric and pediatric nursing at California State University at Los Angeles. For several years, she traveled extensively to Third World countries with her pediatrician husband and studied patterns and problems related to obstetrics and pediatrics. She obtained a radio class license as a ham radio operator and attended classes at the Department of Homeland Security Training Center at College Station, Texas.

Her professional presentations include Hospital Response to Mass Casualties with renowned speaker and Israeli physician Itimar Ashkenazi, MD, and Utilizing Learning Experiences within Our Environment in conjunction with her development of a Poison Garden and Allergy-Free Garden on the campus of Riverside City College, which was designed and endowed for student and community health education.

She served as a consultant for the National Council of State Boards of Nursing as an item writer for the NCLEX® Examination for several years. For her teaching excellence she received the coveted Caring Spirit Award, sponsored by Professional Hospital Supply, Johnson & Johnson, Inland Valley Hospitals, and the *Press Enterprise* newspaper. She is listed in the Strathmore *Who's Who in Nursing* and in *Who's Who in American Nursing* from the Society of Nursing Professionals.

Publications include "Symposium on the Nurse and the Ill Child" in *Nursing Clinics of North America* (1966); "Rooming-In Despite Complications" in *AJN* (1967); "Pediatric Codes: A Cheat Sheet" in *RN* (1997); "Hyperbaric Oxygen Therapy" in *AJN* (2001); *Principles and Techniques in Pediatric Nursing* (which won a book of the year award from the *American Journal of Nursing*) (1982); *Maternity Nursing, An Introductory Text* (2012), published by WB Saunders; and two textbooks currently published by Elsevier, including *Growth and Development Across the Lifespan: A Health Promotion Focus* and *Introduction to Maternity and Pediatric Nursing*. She also wrote several chapters concerning male and female reproductive health in *Medical-Surgical Nursing: Concepts & Practice* by Susan C. deWit.

Professor Leifer was a certified nurse educator (CNE) and a full-time professor of obstetric and pediatric nursing at Riverside City College in

Riverside, California for 30+ years.

Contributors and Reviewers

Contributor

Linda Turchin, RN, MSN, CNE, Professor Emeritus, Fairmont State University, Fairmont, West Virginia

Reviewers

Anna Alcott, BSN, RN, Registered Nurse, Stony Brook, New York

Kimberly Ann Amos, PhD, MSN, RN, CNE, Director, Foothills Nursing Consortium, Associate Degree Nursing, Spindale, North Carolina

Kendricka Brown, MSN, RN, University of Michigan-Flint, Flint, Michigan

Argentina Fretwell, Student Nurse, Palomar College, San Marcos, California

Samantha Hughes, BSN-RN Student, Watts College of Nursing, Durham, North Carolina

Sarah Lalman, RN, AGNP Student, Florida International University, Miami, Florida

Almira Rezini Munda, RN, UT Southwestern Medical Center, Dallas, Texas

Desiree A. Rosario, Nursing Student, Brooklyn, New York

Briana VanDenHeuvel, Registered Medical Assistant, St. Mary's Medical Center, Grand Junction, Colorado

LPN Threads and Advisory Board

LPN Threads

The 9th edition of *Introduction to Maternity and Pediatric Nursing* shares some features and design elements with other Elsevier LPN/LVN textbooks. The purpose of these *LPN Threads* is to make it easier for students and instructors to use the variety of books required by the relatively brief and demanding LPN/LVN curriculum. The following features are included in the *LPN Threads*.

- The **full-color design, cover, photos, and illustrations** are visually appealing and pedagogically useful.
- **Objectives** (numbered) begin each chapter, provide a framework for content, and are especially important in providing the structure for the TEACH Lesson Plans for the textbook.
- **Key Terms** with phonetic pronunciations and page-number references are listed at the beginning of each chapter. Key terms appear in color in the chapter and are defined briefly, with full definitions in the **Glossary**. The goal is to help the student with limited proficiency in English to develop a greater command of the pronunciation of scientific and nonscientific English terminology.
- A wide variety of **special features** relate to critical thinking, clinical practice, health promotion, safety, patient teaching, complementary and alternative therapies, communication, home health care, and more. Refer to the To the Student section of this introduction on page xiii for descriptions and examples of these features.
- **Critical Thinking Questions** presented at the ends of chapters and with Nursing Care Plans provide students with opportunities to practice critical thinking and clinical decision-making skills with

realistic patient scenarios. Answers are provided in the Student Resources section on the Evolve website.

- **Key Points** at the end of each chapter correlate to the objectives and serve as useful chapter reviews.
- A full suite of **Instructor Resources** is available, including TEACH Lesson Plans and PowerPoint Slides, Test Bank, Image Collection, and Open-Book Quizzes.
- In addition to consistent content, design, and support resources, these textbooks benefit from the advice and input of the **Elsevier LPN/LVN Advisory Board**.

LPN/LVN ADVISORY BOARD

Nancy Bohnczyk, MA, *Adjunct Instructor, College of Mount St. Vincent, New York, New York*

Nicola Contreras, BN, RN, *Faculty, Galen College, San Antonio, Texas*

Dolores Cotton, MSN, RN, *Practical Nursing Coordinator, Meridian Technology Center, Stillwater, Oklahoma*

Patricia Donovan, MSN, RN, *Director of Practical Nursing and Curriculum Chair, Porter and Chester Institute, Rocky Hill, Connecticut*

Nancy Haughton, MSN, RN, *Practical Nursing Program Faculty, Chester County Intermediate Unit, Downingtown, Pennsylvania*

Dawn Johnson, DNP, RN, Ed, *Practical Nurse Educator, Reno, Nevada*

Mary E. Johnson, RN, MSN, *Director of Nursing, Dorsey Schools, Roseville, Michigan*

Bonnie Kehm, PhD, RN, *Faculty Program Director, Excelsior College, Albany, New York*

Tawnya S. Lawson, MS, RN, *Dean, Practical Nursing Program, Hondros College, Westerville, Ohio*

Kristin Madigan, MS, RN, *Nursing Faculty, Pine Technical and Community College, Pine City, Minnesota*

Hana Malik, DNP, FNP-BC, *Academic Director, Illinois College of Nursing, Lombard, Illinois*

Mary Lee Pollard, PhD, RN, CNE, *Dean, School of Nursing, Excelsior College, Albany, New York*

Barbara Ratliff, MSN, RN, *Program Director, Practical Nursing, Cincinnati State, Cincinnati, Ohio*

Mary Ruiz-Nuve, RN, MSN, *Director of Practical Nursing Program, St. Louis College of Health Careers, St. Louis, Missouri*

Renee Sheehan, RN, MSN/Ed, *Director of Nursing, Vocational Nursing, Nursing Assistant Programs, Summit College, Colton, California*

Fleur de Liza S. Tobias-Cuyco, BSc, CPhT, *Dean, Director of Student Affairs, and Instructor, Preferred College of Nursing, Los Angeles, California*

To the Instructor

Education of the Nurse

Depth with simplicity continues to be the theme of this text, which is based on current health care practices and the need to adapt to advances in medicine and technology to maintain quality patient care. The role of the nurse is changing at every level and the curriculum of educational programs for nurses must also change to prepare graduates adequately for entry level positions.

The Institute of Medicine (IOM) and various nursing organizations have declared the goal of nursing education to be the achievement of an RN that includes a BSN or higher degree and that is consistent with the expanding complexities of the nurse's role in health care. To that end, more BSN nursing programs are being developed and accredited. Until this goal is fully achieved, there remains a need for nurses at entry level positions, responsible for quality nursing care that possess an LPN/LVN or ADN degree. Currently, these programs are impacted and the nurse with an LPN/LVN degree seeks a seamless progression into an ADN program to achieve the goal of the higher educational degree. This "ladder" of progression toward an ADN degree often does not repeat the specialty classes in obstetrics or pediatrics at the ADN level. For that reason, this text is designed to include the most accurate and clinically relevant information with the depth the LVN/LPN student needs to be successful in the ADN program and practice as an RN in the maternal-child specialty. This text discusses the scope of practice of all levels of nurses and is designed to facilitate success in the ADN ladder program in the maternal-child specialty of nursing. The current goal of ADN programs is focused on continuing the seamless progression of their ADN graduates to further their education to the BSN level. This text supports the alternative route to the BSN nurse

until the IOM goals are fully achieved. This text is written with simplicity but includes the depth to enable LVN/LPN achievement and success in the ADN ladder program leading to RN practice in the area of maternal-child nursing.

About This Text

As in previous editions, this combined maternity and pediatric text highlights the ways in which infants and children differ from adults. Because of the differences in anatomy, physiology, and psychology, techniques of caring for the pregnant woman, infant, or child may vary from those used for the adult medical-surgical patient. Principles of physiology and pathophysiology are presented in this text as a review to help students understand and identify normal and abnormal health at various stages of development. New information is included that concerns the influence of the prenatal environment of the fetus on the health of the newborn as an adult. The changing health care delivery system, the current IOM goals, and the objectives of *Healthy People 2030* focus on health promotion and risk reduction. In response, this text provides comprehensive discussions on family-centered care, wellness, health promotion, illness prevention, safety, and the growth and development of the child as well as the parent. An understanding of various cultural practices, the care of the patient in the hospital as well as in the local and global community, interprofessional nursing responsibilities, and the use of expanding technology are necessary for the nurse to play an important role in community and global health, and these factors are integrated within the chapters.

The normal process of growth and development from conception to adulthood is the core of pediatric knowledge; therefore, it is integrated as an essential feature of this text. The effects of illness and medication on the pregnant woman are influenced by the presence of a fetus, dosages are determined by the age and weight of the developing child, and illness or injury at a specific phase of growth and development has an impact on the achievement of normal developmental tasks. Nothing is standard among these populations, and these are some of the unique challenges of maternity and pediatric nursing. The amazing talents of the healthy newborn are well

known, and the nurse must educate the parents and utilize the state of acute alertness of the newborn in the first hour of life to aid in long-term bonding between infant and parents during that first hour that cannot be captured to the same extent at a later time. Illnesses specific or common to various age groups are discussed as well as the differences in the responses of each age group to these illnesses or disabilities. The effects of illness, therapy, nutrition, environment, and culture on the growing child and the responses at various stages of growth and development are included when discussing the nurse's role in maternal-child care. All this information centers around the nurse and the application of the nursing process in the hospital, the community, and in global health.

This information forms one continuum of knowledge that flows from conception to adulthood and is organized from simple to complex and from health to illness.

The systems approach is maintained in presenting physiological illness (with the exception of congenital anomalies present at birth and communicable diseases of children).

The organization of this text is designed to facilitate its use in a combined maternity and pediatric course, a maternity course followed by a separate pediatric course, or a medical-surgical course that integrates maternity and pediatric concepts.

This edition encompasses the core aspects of evidence-based maternal-child nursing in health and illness, incorporating updates in clinical care and expanded technology. References to online sources of information that complement the presented concepts, or sources that can be used for patient education, are integrated within the text as well as at the end of each chapter.

Many parents use complementary or alternative therapies for themselves and their children. [Chapter 34](#) fills the gap between traditional Western therapies and common alternative or complementary therapies for which there is standard scientific evidence, as well as some readily available over-the-counter remedies. All nurses need a working knowledge of the actions, interactions, and safety of these interventions related to the growing fetus and child. An understanding of the trend toward active participation in one's own health care requires the nurse to use "teaching moments" to offer knowledge that can help the patient choose safe self-care practices.

Managed health care gave rise to the clinical pathway, and all nurses must understand their role in the plan of care. The reader is encouraged to approach clinical problems using critical thinking rather than predetermined habit or memorization of fact. The strong base of knowledge provided by this text focuses on abilities (skills) and beginning concepts of critical thinking. Critical thinking is the basis of clinical decision making and an essential part of nursing education at every level. Critical thinking questions are included in all chapters with answer guidelines available to the student on the Evolve website. Also, many different types of care plan styles are presented in this text: standard patient care plan, family care plan, pictorial pathway, clinical pathway, QSEN care plan, Couplet care plan, and others. These are designed to assist readers in adapting to the style and theme used in the area in which they practice. The unfolding case study is presented in this edition to challenge the student to apply concepts discussed in the text, using critical thinking that is enhanced by the open-ended questions relating to the presenting family in the chapter. Answers to the open-ended questions can be found in the instructor's resource materials provided online. Each chapter also offers credible online resources for students to use to enhance their evidence-based knowledge and critical thinking skills.

Positive communication skills are an essential part of caring nursing interventions and examples of interprofessional communication and the nurse's role in "hand-off" care or end-of-shift reports are discussed. Cultural differences related to various perceptions of health and illness and traditional health practices are presented to enable the student nurse to begin developing cultural competence with the community served.

Clinical rotations, particularly in obstetrics and pediatrics, seem to be shortened each year because sites for hands-on clinical experiences are difficult to find for nursing students. This text is designed to bridge the gap between the classroom and the clinical arena by presenting current facts, concepts, and principles that promote learning through comprehension rather than memorization. Careful consideration of the various nurse practice acts and the NCLEX® test plans have guided the inclusion of 42 detailed Skills—in addition to many photos and drawings of the specific skill and equipment used—unique to obstetrics and pediatrics and designed to emphasize nursing actions and responsibilities. Each Skill includes several icons that symbolize common steps for any skill in any area of

general medical-surgical nursing—checking the order, introducing yourself, identifying the patient, performing hand hygiene, and so forth. It is essential for the student to understand the importance of these steps and to know when to perform each. Presented as a continuum of related images, these icons become ingrained in the students' minds as steps that must be considered before performing any intervention. However, these icons also are standard and require critical thinking for students to determine the specific supplies and equipment they may need and when it is necessary to don gloves or other protective equipment.

Every effort has been made to provide a readable text in a simplified format with an array of tables, figures, and new photographs and illustrations that allow a comprehensive understanding of techniques essential for effective maternity and pediatric nursing care. It is hoped that the information presented in this text will help the student deal with challenging clinical situations that require the use of a broad knowledge base and the ability to think critically, prioritize, and utilize specific clinical skills. **This book, with its theme of depth with simplicity, is designed to prepare the LPN/LVN student for mobility in the profession by entering the ladder program to ADN studies with adequate knowledge in the maternal-child specialty to provide, upon graduation, evidence-based quality maternity and pediatric nursing care to a diverse population in a rapidly changing world.**

New and Updated Content

The ninth edition has been thoroughly revised with the most recent research and information, including guidelines based on the World Health Organization's Baby-Friendly Hospital Initiative (BFHI), complementary and alternative therapies used in maternal-child care. The use of technology as it affects nursing care, interprofessional nursing, nursing research and sources, and the scope of practice at all levels of nursing are updated and discussed. We have also incorporated the Next-Generation NCLEX® (NGN) item types. These items use case studies and require students to employ clinical decision making, cognitive skills, and critical thinking to make appropriate decisions. The cognitive skills are recognize cues, analyze

cues, prioritize hypotheses, generate solutions, take action, and evaluate outcomes.

Newborn care has been divided into three transitional phases with nursing responsibilities outlined for each:

- Phase 1: Care in the delivery room ([Chapter 6](#))
- Phase 2: Assessment during the first few hours after birth ([Chapter 9](#))
- Phase 3: Care of the parent(s) before discharge from the hospital ([Chapter 12](#))

The women's health section also has been updated and revised. The intent is that the information provided will improve the understanding of select women's health problems related to maternal-child care and adolescent health, therefore helping the nurse improve the quality of women's lives by increasing knowledge of preventive care.

Hallmark Features

The following are hallmark features of this book:

- Content that spans the **developmental continuum** is organized from **simple to complex** and from **health to illness**, making it easy to locate information.
- Focus is on **family-centered care, health promotion and illness prevention, and growth and development of child and parent.**
- **Obstetric content** includes exercise during pregnancy, routine screening tests done during pregnancy, in-depth complementary and alternative therapy content, nursing interventions and responsibilities for analgesia during childbirth, latest update of Bishop's score, pediatric language milestones and communication problems in pediatric growth and development, therapeutic play, and the understanding that the prenatal fetal environment impacts the health of the newborn as an adult. Therefore, many adult noncommunicable diseases can be prevented by good prenatal care!