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DENTAL HYGIENIST

11th EDITION

Esther M. Wilkins



Lippincott Williams & Wilkins



CLINICAL PRACTICE OF THE

11th EDITION

Esther M. W

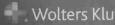
Department of Periodontology ty, School of Dental Medicine boston, Massachusetts

Forsyth School of Dental Hygiene Massachusetts College of Pharmacy and Health Sciences Boston, Massachusetts

Contributing Editor

Charlotte J. Wyche, RDH, MS

University of Michigan School of Dentistry Ann Arbor, Michigan



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Acquisitions Editor: Julie Stegman Managing Editor: Meredith L. Brittain Marketing Manager: Shauna Kelley

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Eleventh Edition

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DEDICATION

The eleventh edition of *Clinical Practice of the Dental Hygienist* is dedicated to all past and present students who have studied from the ten preceding editions. Gratitude is expressed to their teachers in the many different dental hygiene programs around the world, for their leadership in, and devotion to, dental hygiene education.

A very special recognition goes to the students of the first ten classes in dental hygiene at the University of Washington in Seattle for whom the original "mimeographed" syllabus was created. They are remembered with much appreciation because their need for text study material made this book possible in the first place.

Esther M. Wilkins

CONTRIBUTORS

Caren M. Barnes, RDH, BS, MS

Department of Dental Hygiene University of Nebraska Medical Center, College of Dentistry Lincoln, Nebraska

Barbara L. Bennett, CDA, RDH, MS

Department of Dental Hygiene, Allied Health Division Texas State Technical College Harlingen, Texas

Elain Benton, RDH, BS, CTTS

Department of Public Health Sciences Texas A&M HSC Baylor College of Dentistry Dallas, Texas

Sara L. Beres, RDH, BA, MS

Department of Dental Hygiene Sheridan College Sheridan, Wyoming

Tessie Lamadrid Black, RDH, BS

Consultant Braintree, Massachusetts

Patricia A. Cohen, RDH, BS, MS

Department of Periodontology School of Dental Medicine Tufts University Boston, Massachusetts

Marilyn Cortell, RDH, MS

Department of Dental Hygiene New York City College of Technology Brooklyn, New York

Jane Carolyn Cotter, RDH, MS

Department of Dental Hygiene Texas A&M HSC Baylor College of Dentistry Dallas, Texas

Ernestine R. Daniels, RDH, BS

Department of Dental Hygiene Florida State College at Jacksonville Jacksonville, Florida

Kathryn Ragalis Davis, RDH, MS, DMD

Department of General Dentistry Tufts University School of Dental Medicine Boston, Massachusetts

Barbara Dawidjan, RDH, MEd

Quinsigamond Community College Worcester, Massachusetts

Teresa Butler Duncan, RDH, BS

Department of Dental Hygiene School of Health Related Professions University of Mississippi Medical Center Jackson, Mississippi

Janet M. Gruber, RDH, MPA

Department of Dental Hygiene Farmingdale State College of New York Farmingdale, New York

Donna F. Homenko, RDH, MEd, PhD

Department of Dental Hygiene and Bioethics Cuyahoga Community College Cleveland, Ohio

Janis G. Keating, RDH, MA

Dental Professional Sales Philips Sonicare Stamford, Connecticut

Pamela S. Kennard, BSN, RDH, MA

Department of Dental Hygiene State College of Florida Bradenton, Florida

Cynthia Biron Leiseca, RDH, EMT, MA

DH Methods of Education, Inc. Fernandina Beach Amelia Island, Florida

Judi S. Luxmore, RDH, BAS, MS

(Retired) Department of Periodontology and Dental Hygiene University of Detroit Mercy School of Dentistry Detroit, Michigan

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Deborah M. Lyle, RDH, BS, MS

Department of Marketing Water Pik, Inc. Morris Plains, New Jersey

Deborah S. Manne, RDH, RN, MSN, OCN

Department of Otolaryngology—Head and Neck Surgery St. Louis University School of Medicine St. Louis, Missouri

Stacy A. Matsuda, RDH, BS, MS

Department of Periodontology School of Dentistry Oregon Health and Science University Portland, Oregon

Durinda J. Mattana, RDH, MS

Department of Periodontology and Dental Hygiene School of Dentistry University of Detroit-Mercy Detroit, Michigan

Laura Mueller-Joseph, RDH, MS, EdD

Department of Dental Hygiene Farmingdale State College Farmingdale, New York

Luisa Nappo-Dattoma, RDH, RD, EdD

Department of Dental Hygiene Farmingdale State College Farmingdale, New York

Karen A. Raposa, RDH, MBA

Clinical Education Manager Hu-Friedy Manufacturing Co., LLC Chicago, Illinois

Pamela S. Ridilla, RDH, MS

School of Dental Sciences Daytona State College Daytona Beach, Florida

Janet B. Selwitz-Segal, RDH, CDA, MS

(Retired) Massachusetts College of Pharmacy and Health Sciences Boston, Massachusetts

Donna J. Stach, RDH, MEd

Department of Surgical Dentistry, Division of Periodontics School of Dental Medicine University of Colorado Aurora, Colorado

Tammy K. Swecker, BSDH, MEd

Division of Dental Hygiene Virginia Commonwealth University Richmond, Virginia

Terri S. I. Tilliss, RDH, MS, MA, PhD

Department of Graduate Orthodontics School of Dental Medicine University of Colorado Aurora, Colorado

Esther M. Wilkins, BS, RDH, DMD

Department of Periodontology School of Dental Medicine Tufts University Boston, Massachusetts

Lane Wilson-Foreman, CDA, RDH, BS

Department of Dental Health Programs Tallahassee Community College Tallahassee, Florida

Charlotte J. Wyche, RDH, MS

Department of Periodontics and Oral Medicine University of Michigan School of Dentistry Ann Arbor, Michigan

PREFACE

Dental hygienists are oral healthcare specialists with professional goals centered on the prevention and/or control of oral disease and the maintenance of oral and general health. As primary health care professionals, dental hygienists can apply their knowledge and skills in a wide variety of areas related to clinical practice, education, research, public health, and advocacy for health promotion and disease prevention. Dental hygienists collaborate with dentists and members of other health professions to provide oral health care that links with total body health care. New emphasis on the effect of oral health on systemic health challenges dental hygienists to widen their scope of practice.

OBJECTIVES

Objectives of the 11th edition include:

- To help prepare the beginning dental hygiene student to recognize the requirements of evidence-based dental hygiene practice.
- To develop skills and knowledge for entry into the profession.
- To help when studying for Licensure Board examinations; the condensed outline form aids to make review easier.
- To update professional hygienists already in practice, and assist long-term practitioners to recognize the new responsibility to apply evidence-based scientific approaches to patient care.

THE TEXTBOOK PLAN

Highlights

Highlights of Clinical Practice of the Dental Hygienist, 11th edition include

- New chapters for orientation to clinical practice describe Evidence-based Dental Hygiene Practice (Chapter 2) and Effective Health Communication (Chapter 3).
- Emphasis on professional ethics starts in the opening chapter and threaded throughout the text.
- Essential to preparation for practice is the application all-necessary attention to infection control for practitioners and patients during all clinical procedures.

- Three chapters (Chapters 4, 6, and 7) include infection control and ergonomic health for the clinical practitioner and patient.
- The final chapter in Section I, Orientation to Clinical Dental Hygiene Practice, is Chapter 8, Introduction to Documentation. Documentation is the newest addition to the Dental Hygiene Process of Care, which is illustrated Figure I-1.

Organization of the Textbook

As in past editions, sections of Clinical Practice of the Dental Hygienist are sequenced to conform to the Dental Hygiene Process of Care. There are eight sections in the 11th edition, five of which are specifically identified by name with the recognized components of the Process of Care. They are: assessment, dental hygiene diagnosis, care planning, implementation, and evaluation.

The textbook opens with chapters devoted to an introduction to the profession of dental hygiene and chapters related to preparation for practice. They include infection control and ergonomic health for the clinical practitioner and patient. The final large section, Section VIII, applies the process of care to patients with special needs.

The eight major sections are:

- I. Orientation to Clinical Dental Hygiene Practice
- II. Preparation for Dental Hygiene Practice
- III. The Process of Care: Assessment
- IV. The Process of Care: Dental Hygiene Diagnosis and Care Planning
- V. The Process of Care: Implementation: Prevention
- VI. The Process of Care: Implementation: Clinical Treatment
- VII. The Process of Care: Evaluation of Dental Hygiene Care Outcomes
- VIII. Patients With Special Needs

Supplementary information is available in Appendices:

- I. American Dental Hygienists' Association Code of Ethics for Dental Hygienists
- II. Canadian Dental Hygienists' Association Code of Ethics
- III. International Federation of Dental Hygienists Code of Ethics

- IV. Guidelines for Infection Control in Dental Health-Care Settings—2003
- V. Average Measurements of Human Teeth
- VI. Prefixes, Suffixes, and Combining Forms
- VII. Charting Symbols and Standardized Abbreviations Useful for Documenting Dental Hygiene Care

FEATURES OF THE NEW EDITION

All chapters have been updated, and many have been extensively revised. Each chapter includes the following features:

- Detailed outline format for the text makes it easier to study and locate information quickly. In this era of information growth related to new research and products available for professional clinical practice as well as teaching patients self-care, the condensation of printed material into outline form can provide busy, overloaded students with a new efficiency for learning.
- Chapter outlines at the opening of each chapter provide a preliminary review for readers before they start to concentrate on the meat of the chapter; the outline can help readers locate material within the chapter at any time.
- **Key Words hoxes** near the beginning of each chapter identify spelling and definition for the new vocabulary of the particular chapter. Each key word is listed in the index, so a quick reference to definitions in other chapters is possible.
- Everyday Ethics boxes ("EEs") provide students with the opportunity to become aware of and discuss clinical problems from real-life practice. Principles of ethical dental hygiene practice need to be brought into the curriculum at an early stage if students are to develop into ethical practitioners. This feature has been continued from previous editions because of expressed appreciation of teachers and students. Previously used "EEs" have been revised and many new ones created.
- Factors to Teach the Patient boxes have been an appreciated feature for many editions. They help students to select topics from the chapter that need special emphasis while teaching patients self-care and responsibility for oral health for their own lifetime as well as that of their family and community.
- Emphasis on the new sixth section of the Process of Care, Documentation, brings to full cycle the clinical care of a patient. Having sample Progress notes for the varieties of patients illustrated in this textbook can increase students' awareness of the significance of such notes in the permanent record of each patient.
- New to this edition, a video camera icon appears next to those sections for which video clips are available on the companion website. See the

"Additional Resources" section of this preface for more information.

STUDENT WORKBOOK

A unique study guide, *Student Workbook for Clinical Practice of the Dental Hygienist*, prepared by Charlotte J. Wyche for the 9th and 10th editions, has been recognized as a major contribution to student learning. The 11th edition workbook, revised to highlight new chapters and updated information from the textbook, also contains revised crossword and word search puzzles.

Everyday Ethics boxes in the workbook include new individual learning, cooperative learning, or discovery activities designed to help the student reflect on or apply ethical theory-related "Questions for Consideration" found in the textbook. Activities and questions related to patient case scenarios, patient assessment summaries, and documentation of patient care provide an emphasis on case-based application of knowledge.

ADDITIONAL RESOURCES

Clinical Practice of the Dental Hygienist, 11th edition includes additional resources for both instructors and students that are available on the book's companion Web site at http://thepoint.lww.com/Wilkins11e.

Instructors

Approved adopting instructors will be given access to the following additional resources:

- Brownstone test generator
- PowerPoint presentations
- Lesson plans
- Image bank of all the images and tables in the book
- WebCT and Blackboard ready cartridge
- Answers to the exercises found in Student Workbook to Accompany Clinical Practice of the Dental Hygienist, by Charlotte J. Wyche and Esther M. Wilkins (book available for separate purchase)

Students

Students who have purchased *Clinical Practice of the Dental Hygienist*, 11th edition have access to the following additional resources:

- 20 videos that show techniques and procedures
- Quiz bank
- Stedman's audio pronunciation guide for select clinical terms, customized to the text

In addition, purchasers of the text can access the searchable full text online by going to the *Clinical Practice*

of the Dental Hygienist, 11th edition Web site at http://thePoint.lww.com/Wilkins11e. See the inside front cover of this text for more details, including the passcode you will need to gain access to the Web site.

ACKNOWLEDGMENTS

A textbook of the size and scope of Clinical Practice of the Dental Hygienist shows the work of many contributors. Comments and suggestions come from teachers, students, and practitioners from around the world, as the book has been translated into a variety of languages. Any suggestion, whether for one word or whole chapters, is welcomed and considered. It is hoped that this new edition will bring comments and requests as in the past.

Recognition for Our Contributors

We start with expressed recognition and appreciation to our listed contributors (pages iv to v) for their new or revised chapters or other assigned responsibility. Each has spent much time for selective revision and to survey the literature for new material and references.

Other Appreciation

Appreciation is expressed to the following:

K. Vendrell Rankin, DDS. This professor, associate chair, and certified tobacco treatment specialist in the Department of Public Health Science at Texas A&M Health Science Center Baylor College of Dentistry is recognized for providing information and guidance for Chapter 33, The Patient Who Uses Tobacco.

Marcia Williams of Newton, Massachusetts. Many illustrations for this and previous editions have been the work of our talented artist. Her personal interest and patience in preparing new, revising previous, and adding color to enhance the line drawings, is acknowledged with sincere gratitude.

Pamela Breitschneider, BA, MEd, PhD. For her help with many chapters for computer searches for the new research provided over the entire 2 to 3 years while revision was in action, generous assistance is greatly appreciated.

Marie V. Gillis, RDH, MS. Marie is recognized for contributions in the revision of Chapter 30, The Patient with Orthodontic Appliances, and for her work on the videos available on the book's companion website (see the "Additional Resources" section earlier in this preface for details).

Gail Schoonmaker. Gail was instrumental in restyling many of the references to conform with the National Library of Medicine style, formatting many of the tables, and seeking the permissions for the book.

The Community College of Philadelphia. This school, its students, and its faculty hosted and appear in the videos found on this book's companion Web site (see the "Additional Resources" section earlier in this preface for details). Special thanks go to Theresa Grady, RDH, MEd, Dental Hygiene Program Director, for coordinating the location, props, and models for the videos.

Our Readers. And, finally, an expression of appreciation goes to our readers over the years: students, teachers, and practicing dental hygienists. Send us your comments and suggestions. As stated in the first edition: It is hoped that through greater understanding of each patient's oral and general health needs, more complete and effective dental hygiene services can be rendered.

Esther M. Wilkins

REVIEWERS

Barbara Adams, RDH, BS, MA

Dental Hygiene Wallace State Community College Hanceville, Alabama

Sandra Nagel Beebe, RDH, PhD

Southern Illinois University Carbondale Carbondale, Illinois

LynnAnn B. Bryan, BSDH, MEd

Marquette University School of Dentistry Milwaukee, Wisconsin

Mychelle Vedder-Burton

CUNY Hostos Bronx, New York

Dianne Chadbourne, RDH, BS, MDH

MCPHS/Forsyth School of Dental Hygiene Boston, Massachusetts

Kimberlee Clark, RDH, BS, MEd

Dental Hygiene Western Career College-San Jose San Jose, California

Charles Crosby, DDS, JD

Dental Health Professions York Technical College Rock Hill, South Carolina

Barbara R. Ellis, RDH, MA

Monroe Community College Rochester, New York

Marie Varley Gillis, RDH, MS

(Retired) Education Affiliates Washington, DC

Jane Gray, RDH, MEd

University of Oklahoma College of Dentistry Oklahoma City, Oklahoma

Sheila Gross, CDA, RDH, BA, MS

Health Sciences Northeast Wisconsin Technical College Green Bay, Wisconsin

Stephanie Harrison, BS, MA

Dental Hygiene Community College of Denver Denver, Colorado

Sherry Heaney, RDHAP, MEd

Dental Hygiene Western Career College San Jose, California

Suzette Jestin, CDA, PID, BEd

Dental

Vancouver Community College and University of British Columbia Vancouver, British Columbia

Heather Nelson

Columbia College Calgary, Alberta

Carolyn Ray, RDH, MEd

Dental Hygiene University of Oklahoma Oklahoma City, Oklahoma

Salim Rayman

Hostos Community College Bronx, New York

David Reff, BS, DDS

Dental Assisting and Dental Hygiene Programs Apollo College Boise, Idaho

Amanda Richardson, RDH, BS

Department of Dental Hygiene University of Louisiana at Monroe Caldwell Hall Monroe, Louisiana

Judy Romano, AS, BS, MA

Dental Hygiene/Dental Assisting Hudson Valley Community College Troy, New York

Natalie Vanoli, RDH, BS, RDHAP

Dental Hygiene Western Career College San Jose, California

Lucille Ann Zarbo

School of Dental Hygiene Erie Community College Williamsville, New York

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