**CURRICULUM VITAE**

PENNY J. SMALLEY

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## **EDUCATION**

Evanston Hospital School of Nursing 1977-1980

University of Illinois Diploma - RN

## **CURRENT POSITION**

Perioperative Nurse Consultant 1986-present

### LICENSURE and Certifications

Registered Professional Nurse – Illinois 1979

Certified Medical Laser Safety Officer 2002

Certification: Community Emergency Response Team 2015

FEMA, IEMA (Federal and Illinois State Agencies)

**PROFESSIONAL ACTIVITIES**

Certified: American Board of Laser Surgery 1987 - present

Certified: Medical Laser Safety Officer 2002 – present

 Board of Laser Safety

Member - Board of Directors, Laser Institute of America 1992-1999

Executive Committee, ANSI Z136 (Laser Safety in Healthcare)

 Chair, Nursing and Allied Health 1993-2002

International Council on Surgical Plume 2015 - present

 Secretary, Board of Directors

Member ANSI Z136 1987-present

 Secretary, SSC3 (Z136.3) 2007-2012

 Vice Chair, SSC3 (Z136.3) 2013 - present

Member, International Electrotechnical Commission,

 US Delegation for TC76, WG 4, WG 8

 Project Leader, 60825-TR8 1998-present

Member Canadian Standards Association, Z386, Z305 2008 – present

 Chair Z386 2019 –

Recipient, IEC 1906 Award for outstanding contributions 2015

Member ISO TC121 2010 -present

 Canadian delegate, SSC6, WG7 2019 -

Member Australian Standards HE003, AS/NZ4173 1990 - present Representing Australian College of Perioperative Nurses

Commissioner, Board of Laser Safety 2014 - 2010

Chairperson, Nursing Section - ASLMS 1992-1994

Recipient, Excellence in Laser Nursing award, ASLMS 1993

International Society For Lasers In Surgery and Medicine 1983 - present

Executive Committee representative for Nursing / Allied Health 2000 - present

International Scientific Advisory Board

 World Association of Laser Therapy 1993-2008

Member, Safety Committee, ASLMS (chair, 1997-98, 2002) 1994-2010

Member, Board of Directors, Australian Centre for

Medical Laser Technology 1990 – 2019

Member, Executive Board, European Medical Laser Association 2007-2009

Member, Committee on International Affairs, ASLMS 1999 – present

 Chair 2005-2006

 Chair 2011 - 2012

Representative for AORN to ANSI 1998 – 2007

Member AORN committee on Environment of Care – Hazards of

 Surgical Smoke task force 2007-2009

International Phototherapy Association,

Executive Committee 2006 – present

Asia Pacific Association for Laser Medicine and Surgery

Executive Committee 2000 – present

International Academy of Laser Medicine and Surgery 1995 - present

 (Florence, Italy) Founding Member

Co-Leader of Illinois grassroots coalition advocating for 2020 – 2021

Evacuation of Surgical Plume, in support of Senate Bill 1908

Signed into law as Illinois Public Act -102-0533

Consultant to Illinois Dept. of Health on Regulations re PA102-0533 2020 - 2023

**PUBLICATIONS**

The Nd:YAG Laser for Endometrial Ablation - A Nursing Perspective

 Laser Nursing, Volume 2, Number 1 1988

Inservice - Key to Your Laser Program

 Today's OR Nurse, Volume 10, Number 6, June 1988

Review of the Optimed Disposable Fiber System

 Laser Nursing, Volume 2 Number 3, 1988

Lasers in Otolaryngology

 Nursing Clinics of North America, Vol.25, No. 3, Sept. 1990

Lasers in Nursing - The Second Decade

 Clinical Laser Monthly, January 1990

Laser '90 - An International Laser Nursing Event

 Laser Nursing, Volume 4, No. 2, Summer 1990

Laser Consulting - A New Dimension in Nursing

 Illinois Nursing Spectrum, Vol. 3, No. 17, August, 1990

Clinical Laser Safety Issues - A Nursing Perspective

 Journal of Laser Applications, Vol. 3, No. 1, Winter, 1991

Laser Technology - A Nursing Perspective

 Dermatology Nursing, Vol.3, No.4, August, 1991

Guest Perspective

 Laser Nursing, Volume 4, No.4, Winter 1991

Laser Education Criteria for Operating Room Nurses,

 Seminars in Perioperative Nursing, 1992, W. Saunders

Laser Nursing - A Perioperative Challenge

 Canadian Operating Room Nurses Journal, Vol. 10, No.1, 1992

Laser Safety Survey

 Canadian Operating Room Nurses Journal, Vol. 10, No.1, 1992

The Future is Here Laser Technology in Medicine -

 Asian Hospital Magazine, Hong Kong, Sept./Oct. 1992

Clinical Laser Safety

 Textbook chapter, Cutaneous Laser Surgery, Mosby, 1993

 2nd Edition, 1996, Revised edition , 1998

Lasers in Operating Room Management

 Aspen Publishing, Cynthia Spry, Editor, 1994

The Consultants are Coming! The Consultants are Coming!

 Surgical Services Management, Vol.1, No.7, AORN, 1995

Update on Regulation of Surgical Smoke

 Surgical Services Management, Vol.3 NO.3, AORN 1997

# Text Book Chapters

Introduction to Perioperative Nursing, Ed.3

 Chapters 5,10, Sally Sutherland-Fraser, Menna Davies

 Brigid M Gillespie, Ben Lockwood eds. Elsevier,2022

# Laser Regulations, Standards, and Professional Guidelines

 Text chapter, Alster, Apfelberg, Cosmetic Laser Surgery,

 Wiley-Liss 1999

Lasers and Energy Devices for the Skin,

 Text chapter 17, Goldman M., Fitzpatrick,R., CRC Press, 2013

Lasers for Medical Applications,

 Text chapter 24, Jelinkova, H., Woodhead Publishing, 2013

Lasers in Otorhinolaryngology and Head and Neck Surgery,

###  Text Chapter 3, Oswal V., Risk Management in Laser Technology

###  Kugler Pub., 2014

Laser Manual – Medical Technology

 Text Chapter 9, Laser Safety, Keys to Compliance, Longo L.,

 Officina Editoriale Oltrarno.S.r.l.- Firenze, Italy, 2014

Laser safety: Risks, hazards, and control measures.

 *Laser Therapy*. 2011;20(2):95-106. doi:10.5978/islsm.20.95.

### CONFERENCE PRESENTATIONS

Laser Concepts in Healthcare (educational seminar) and similar educational programs have been presented at conferences, and in institutions, nationally and internationally, since 1983.

Sponsoring organizations have included:

US Dept. of Labor – OSHA (presentations on surgical plume)

California Legislature – multiple testimonies in support of legislation on surgical plume

Illinois Legislature – multiple testimonies in support of legislation on surgical plume

American Society for Lasers in Medicine and Surgery (ASLMS)

International Society for Lasers in Surgery and Medicine (ISLSM)

Dermatology Nurses Association(DNA)

International Society for Cosmetic Laser Surgery

Asian Pacific Association for Lasers in Medicine (APALMS)

British Medical Laser Society(BMLA)

Australian Centre for Medical Laser Technology (ACMLT)

Australian College of Operating Room Nurses(ACORN)

Victoria Perioperative Nurse's Group(VPNG)

Northern Territory Perioperative Nurses(NTON)

Association of PerioOperating Room Nurses (AORN)

Tasmanian Operating Room Nuses (TORN)

Laser Institute of America

Rockwell Laser Industries

Resource Applications / Mosby

American Healthcare Inc.

Biomedical Optics (SPIE)

University Medical and Nursing Schools: Illinois, New York, Northwestern, Loyola(IL), Nebraska, Chicago, Baylor, Louisiana, Mississippi, Southwest Texas, Howard U

Beckman Laser Institute

Manufacturers: Cooper Lasersonics, Coherent, SLT, Sharplan, HGM, Surgilase, Laserscope,

 Surgimedics, Sorenson, Trimedyne, Diomed, Zeiss, Johnson & Johnson,

 Candela, Valley Lab, Stackhouse, MTD, Myriadlase,, Infinitech, ConMed, Stryker,

 Nidek, Buffalo Filter, Laserex, Optomedics, Ceramoptic, N. Stenning, Laserdyne

 NTI, Qlicksmart, Megadyne, Erbe, Boston Scientific

Operating Room Nurses of Ontario

Department of Labor, OSHA, Washington DC

EORNA (European OR Nurses Association)

IFPN (International Federation of Perioperative Nurses)

Royal Thailand Laser Society

Singapore Laser Association

Operating Room Nurses Association of Canada

Association for the Advancement of Medical Instrumentation

Surgical Success, Australia

American Society of Plastic and Reconstructive Surgery Nurses

Royal Australasian College of Plastic and Reconstructive Surgeons

Royal College of Nurses (Australia)

Cosmetic and Reconstructive Nurses’ Association (Australia)

Association of Plastic and Reconstructive Surgical Nursing

European Medical Laser Association

Ausmed

Department of Radiation Safety – Queensland, Australia

International Academy of Laser Medicine and Surgery

World Association for Laser Therapy

European Medical Laser Association

International Academy for Laser Medicine and Surgery

Australian Medical Laser Association

Professional Medical Education

Infection Control Association of Great Britain

University of Pennsylvania

International Phototherapy Association

Australian Standards Association

OTA, New South Wales, Australia

Operating Room Nurses Assoc. of Canada (ORNAC)

New Zealand Theatre Nurses Association

International Society Radiation Medicine, Riyadh, Saudi Arabia

ASIORNA

WALT (World Association for Laser Therapy)

NAALT (North American Association for Photobiomodulation)

Future Surgery conference, Birmingham, England

AfPP (Association for Perioperative Practice – UK)

International Standards Organization (ISO)

PHOTO (Hong Kong operating room nurses organization)

International Scientific Congress on Cosmetic Dermatology (ISCOD)

International Electrotechnical Commission (IEC)

Taft High School Career Day for Senior Students (Chicago, IL)

 **AORN NATIONAL PRESENTATIONS AND POSITIONS HELD**

Lasers in Cardiovascular Medicine,

 Gulf Coast AORN, Mobile, 1988

Lasers in Healthcare, AORN Fall Symposium,

 Fairmont Hotel, Chicago, IL 1991

Perioperative Perspectives for the 90's

 South Valley of Michigan chapter, Kalamazoo, MI 1991

Lasers in Healthcare

 AORN Regional Symposium, Ithaca, NY 1992

Lasers - Opportunities and Challenges

 Regional Symposium, San Diego, CA 1992

Laser Program Administration - Beyond the Basics,

 39th Congress, Dallas, TX 1992

Lasers and Minimally Invasive Surgery

 Pre-congress seminar, Anaheim, CA 1993

Lasers and Minimally Invasive Surgery

Resource Applications, Williamsburg, Va. 1993

Governing Council, Laser/Advanced Technology 1993-1999

 Special Assembly - chair for Education

Member - Committee on International Issues 1993-1997

Governing Council, Specialty Assembly

 Business, Consulting, and Industry 1994-1996

The Business of Consulting, pre-conference

 seminar,1995 Congress, Atlanta, GA 1995

First Educational Conference, Specialty Assembly

 for Laser and Advanced Technology,Denver 1994

Advances in Surgical Technology

 Specialty Assembly Conference ,San Antonio 1995

Laser Safety Update

 Advanced Technology Conference, Baltimore 1995

Laser Safety Update, Mosby/AORN, Williamsburg, VA. 1995

Member, Environment of Care Committee, subcommittee on Smoke 2007

Board of Directors, AORN eChapter 2021-present

AORN eChapter, Chair Member Engagement Committee 2021 -present

**INTERNATIONAL ACTIVITIES**

Consulting, Education Programs, Invitations as Guest Speaker, and Conference Presentations have been given from 1987 until the present.

Australia quarterly since 1990, work done on laser technology and surgical plume, in every state. Educational course developed and taught for Queensland Radiation Department and Regulation, written into the first Queensland laws.

Appointed member of the Australian National Standards for laser safety, member of the Australian College of Operating Room Nurses, board of directors of the Australian Centre for Medical Laser Technology.

Member of the OTA task force on surgical plume, leading to the first Government Regulation in Australia under the scope of Work Safe Australia ((OH&S)

Consulting work with Australian companies Qlicksmart Pty. Ltd., Norwood Abbey, N. Stenning, , MedTel, Diomed, Danne, Optomedics, SLT, Big Green, and local distributors for Sharplan, Laserscope,Coherent (Lumenis) Buffalo Filter, and Megadyne.

Work included: product development, clinical trial management (FDA submissions), market research, sales training, distribution networking, clinical site support, feasibility studies, compliance auditing, education and training.

Australian/New Zealand Standards based laser course developed and taught in all major cities in NZ under the auspices of New Zealand Standards Association.

Brunei – education and training for Sharplan laser installations

China – Laser installation and training for Nidek lasers in Nanjing and Zheng Zhou lectures in Shanghai, Beijing, Wuxi

Hong Kong – sales training, client support, and market research for Buffalo Filter, IC Medical, Megadyne, and Laserscope,

United Kingdom – lectures for the British Medical Laser Association, Association for Infection Control, sales training, product launch ,Marketing / conference support, and clinical field support for national distributors of Qlicksmart, Buffalo Filter, Diomed

Canada –Sales and client education and training for Lasersonics, Coherent, Qlicksmart, Buffalo Filter, QLT. Presentations at national conferences, provincial conferences, and publications in Operating Room nursing journal

Germany – Market research, product development, clinical trial support (Johnson & Johnson, Diomed), lectures and presentations at Conferences, and distributor training (Buffalo Filter, Qlicksmart)

Megadyne – Pacific Rim Annual Conference, European Annual conference

Presentations at conferences, hospital education and training, and distributor support in:

Taiwan Argentina Israel

Singapore Puerto Rico Italy

India Australia Sweden

China - Macao Greece Netherlands

Czech Republic Viet Nam Canada

Cyprus Spain Dubai

Germany Japan Scotland

Hong Kong Romania Republic of Ireland

Finland England Malaysia

Lithuania Saudi Arabia Thailand

Indonesia - Bali Brunei South Korea

New Zealand Viet Nam Wales

Bahamas France