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Background

Diplomate, American Board of Radiology. Board Certified May 15, 2000
Medical Licensure: California & Arizona
Date of Birth: October 13, 1966
Place of Birth: Santa Monica, California

Employment

Cancer Care Consultants Medical Associates Santa Monica, CA	February 2010
Arizona Oncology Services Phoenix, AZ	April 2009 – January 2010
Valley Radiotherapy Associates Medical Group (part-time) Los Angeles, CA	January – April 2009
Coastal Radiation Oncology Medical Group Santa Maria, CA Simi Valley, CA	July 2002 – Oct 2008 July 2000 – July 2002

Education/Training

1998-2000	Yale University School of Medicine, Yale-New Haven Hospital Department of Therapeutic Radiology New Haven, Connecticut Chief Resident, 2000 Resident, 1998-2000
1996-1998	Medical University of South Carolina Department of Radiation Oncology Charleston, South Carolina Resident
1995-1996	Louisiana State University, Charity Hospital Department of Internal Medicine New Orleans, Louisiana Intern
1989-1995	UCLA School of Medicine Los Angeles, California M.D.
1985-1989	Bucknell University Lewisburg, Pennsylvania B.A. with honors in Chemistry, minor in Philosophy

Selected Lectures & Presentations

Over the past 11 years, I have presented over fifty lectures on a wide variety of topics. Many of my lectures have been for CME credit for professional education, ranging from physicians, Oncology Nursing Society meetings, and radiation therapist meetings. I have also given lectures for hospital staff, local support groups, and community events. My teaching events are always well received for their balance of educational value and presentation style. Listed below is a small selection of presentations that highlights the diversity of topics I have covered:

Emerging Technologies in Radiation Oncology? What comes after IMRT and IGRT?

CME Training seminar for radiation therapists. San Luis Obispo, CA
September 2008

The Management of Acute Cancer Pain: Titrating a Proper Balance of short acting and long acting narcotics, particularly oral, transdermal, and transmucosal delivery systems.

San Luis Obispo, CA medical community. February 2008

Treatment Strategies for Early Stage Breast Cancer

Hancock College Oncology Symposium. Santa Maria, CA. October 2007

Understanding the Role of Dose Volume Histograms and the Implications for Radioprotection.

MedImmune Annual Sales Meeting. Atlanta, GA., June 2006

This lecture led to the development of MedImmune's new marketing strategy for the drug Ethyol

The Use of Cannabinoids in Oncology: Basic and Clinical Science

M.D. Anderson Cancer Center, Houston, Texas. April 2005

New Strategies in Administration and Indications for Amifostine

Queens Hospital, Honolulu, Hawaii. December 2004

Technological Developments in Radiation Oncology

San Luis Obispo Oncology Nursing Society. November 2003

Orange County Oncology Nursing Society. April 2005

A Contemporary Review of the Role of Hypoxia in Radiation Therapy

West Hills Hospital., July 2003

The Use of Radiation Response Modifiers in the Clinical Setting

San Luis Obispo, CA March 2003 and Ventura, CA. June 2003

An Introduction to Ethyol for Radiation Therapists

American Society of Radiation Technologists Annual Meeting. February 2003

Questions to Ask Your Doctor About Lung Cancer

Ventura County Community Education Forum. July 2001

Process Improvement and Quality Assurance at Simi Valley Hospital

Keynote Address to the JCAHO review committee

Simi Valley Hospital. April 2001

The Emerging Role of IMRT in the Management of Prostate Cancer

Simi Valley Hospital. October 2000

Integrating Surgery and Radiotherapy in the Management of Rectal Cancer
VA Hospital, New Haven, CT. October 1999

Questioning the NSABP Paradigm: An Unorthodox View of Breast Cancer
Yale-New Haven Hospital. June 1999

Research Experience

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| 2005 | Designed a Phase II Study to evaluate twice daily subcutaneous administration of amifostine for patients on a concomitant boost radiotherapy fractionation schedule. |
| 1998-1999 | Endometrial Cancer: reviewed the Yale University series of Stage IIIA endometrial cancer, evaluating outcomes with respect to whole abdominopelvic radiation versus pelvis-only radiotherapy. |
| 1995 | Hyperbaric Oxygen Therapy: retrospective review of hyperbaric oxygen management of mandibular osteoradionecrosis. Western Center for Hyperbaric Oxygen Therapy, Northridge, California. |
| 1991 | Pathology/Laboratory Medicine: attempted to formulate a nomogram for rapid evaluation of the Westergren erythrocyte sedimentation rate. Childrens Hospital of Los Angeles. |
| 1987-1989 | Molecular Immunology and Instrument Development: investigations included T-cell receptor synthesis, the development of hexagonal pulsed field electrophoretic systems, and murine transgenic therapy. Laboratory of Leroy Hood, M.D., Ph.D., Department of Biology, The California Institute of Technology. |
| 1986-1989 | Synthetic Organic Chemistry: developed a novel synthetic pathway for an unsaturated bicyclic ketone. Department of Chemistry, Bucknell University. |
| 1985-1986 | Animal Behavior: studied communication patterns of hamsters. Department of Psychology and Department of Animal Behavior, Bucknell University. |

Publications/Contributions

Scharlach R, Son Y, Wilson L. Carcinomas of the Salivary Glands. Textbook chapter in Urdaneta N., Wilson L., Peschel R. (editors) Manual of Radiation Oncology (Second Spanish Edition). Venezuela University Press. In Press.

Scharlach R, Chung J, Kacinski B, Schwartz P, Chambers S, Roberts K. Whole Abdominopelvic Radiotherapy In The Management Of Stage IIIA Endometrial Adenocarcinoma. *International Journal of Radiation Oncology Biology Physics* 45(3S1):365, 1999

Cornelius L, Bone R, Hastings R, Deardorff M, Scharlach R, Hauptmann B, Stankovic C, Pinnick H. Synthesis of 2-Acetylbicyclo[2.2.1]heptene. *The Journal of Organic Chemistry* 58(17):4774, 1993

Cornelius L, Bone R, Hastings R, Deardorff M, Scharlach R, Hauptmann B, Stankovic C, Pinnick H. Synthesis of 2-Acetylbicyclo[2.2.1]hept-2-ene. *The Journal of Organic Chemistry* 58(11):3188-3190, 1993

Contributed To:

Birren B, Hood L, Lai E. Pulsed field gel electrophoresis: studies of DNA migration made with programmable, autonomously-controlled electrode electrophoresis system. *Electrophoresis* 10(5-6):302-9, 1989

Clark S, Lai E, Birren B, Hood L. A novel instrument for separating large DNA molecules with pulsed homogenous electric fields. *Science* 241(4870):1203-5, 1988

Lai E, Concannon P, Hood L: Conserved organization of the human and murine T-cell receptor beta-gene families. *Nature* 331(6156):543-6, 1988

Wilson R, Lai E, Concannon P, Barth R, Hood L: Structure, organization and polymorphism of murine and human T-cell receptor alpha and beta chain gene families. *Immunological Reviews* 101:149-72, 1988

Honors and Awards

Mortar Board, Senior Undergraduate Honor Society, Bucknell University
cum laude graduate, Bucknell University
Departmental Honors in Chemistry, Bucknell University
Samuel Lewis Zeigler Prize, awarded to the student who best exemplifies the goals of a premedical education, Bucknell University
Sigma Xi, Scientific Research Honor Society
Phi Eta Sigma, National Academic Honor Society
Alpha Lambda Delta, National Academic Honor Society

Professional Skills/Interests

- IMRT, IGRT, 3D-Conformal radiotherapy
- Permanent seed and HDR brachytherapy
- Experience with Gamma Knife cranial radiosurgery
- Interest in Stereotactic Body radiosurgery
- Interest in early Phase II clinical trial design, primarily in radiation dose escalation, the use of radiation response modifiers, radioprotection, and novel chemoradiotherapy regimens.