

## Curriculum Vitae

### **PERSONAL DATA**

Name: Harriet W. Hopf  
Birth Place: Madison, WI  
Citizenship: United States

### **EDUCATION**

<u>Years</u>	<u>Degree</u>	<u>Institution (Area of Study)</u>
1978 - 1982	B.A.	Yale University (Biology) New Haven, CT
1982 - 1986	M.D.	Dartmouth Medical School (Medicine) Hanover, NH
1986 - 1987	Intern	University of Minnesota (Surgery) Minneapolis, MN
1987 - 1988	Research Fellow	University of California, San Francisco (Surgery) San Francisco, CA
1989 - 1991	Resident	University of California, San Francisco (Anesthesiology) San Francisco, CA
1991 - 1992	Research Fellow	University of California, San Francisco (Anesthesiology) San Francisco, CA

### **BOARD CERTIFICATIONS**

04/23/1993 American Board of Anesthesiology (Anes), Certified - does not expire;  
Recertification 2009.  
2004 - 2014 American Board of Preventive Med (Undersea & Hyperbaric Med), Certified

### **LICENSES/CERTIFICATIONS**

1990 - 2011 State License (CA)  
1992 - 2003 ACLS Instructor (CA)  
1992 - 2003 Basic Life Support Instructor (CA)  
2003 - Present NOAA Diving Medical Officer  
2006 - 2020 Controlled Substance (UT) - Physician (MD)  
2006 - 2020 State License (UT) - Physician (MD)  
2006 - 2021 DEA Certificate (UT) - Physician (MD)

### **ACADEMIC HISTORY**

#### **Anesthesiology**

10/03/2006 Hire, Tenure Track-Clinician Scholar, Professor  
07/01/2009 Tenure

#### **School of Medicine**

7/1/2012-7/31/2016 Associate Dean for Academic Affairs

#### **University of Utah**

11/1/2016 - Senior Special Assistant in the Office for Faculty  
4/2/2018

4/2/2018 - Present Interim Associate Vice President for Faculty

### **Full Time Positions**

1992 Clinical Instructor, University of California, San Francisco, Department of Anesthesia, San Francisco, CA

1992 - 1999 Assistant Professor in Residence, University of California, San Francisco, Department of Anesthesia & Perioperative Care, San Francisco, CA

1996 - 1999 Assistant Professor in Residence, University of California, San Francisco, Department of Surgery, San Francisco, CA

1994 - 1995 Leave of Absence, Traveled around the world

1996 - 2006 Associate Director, UCSF Wound Healing Laboratory, San Francisco, CA

1998 - 2006 Faculty, UCSF / UC Berkeley Bioengineering Graduate Group, San Francisco, CA

1999 - 2005 Associate Professor in Residence, University of California, San Francisco, Departments of Anesthesia & Perioperative Care and Surgery, San Francisco, CA

2005 - 2006 Professor in Residence, University of California, San Francisco, Departments of Anesthesia & Perioperative Care and Surgery, San Francisco, CA

2006 - Present Professor, University of Utah, Department of Anesthesiology, Salt Lake City, UT

1992 - 2006 Attending Physician, Moffitt-Long Hospitals and San Francisco General Hospital: provision and supervision of anesthesia 1-2 days per week, including general OR, Labor and Delivery, Acute Pain, and PACU

2007 - Present Faculty, University of Utah, Center on Aging, Salt Lake City, UT

2008 - Present Adjunct Professor, University of Utah, Department of Bioengineering, Salt Lake City, UT

2006 – 2008 Attending Physician, University of Utah Hospitals: provision and supervision of anesthesia 1 day per week

2008 – Present Attending Physician, University of Utah Hospitals: provision and supervision of anesthesia 2 days per week

### **Part Time Positions**

1996 - 2006 Wound Consult Service, Moffitt-Long Hospitals, San Francisco, CA

1996 - 2001 Faculty, Moffitt-Long Hospitals, Wound Healing Clinic, San Francisco, CA

2000 - 2006 Hyperbaric Medicine Physician, Saint Francis Memorial Hospital, San Francisco, CA

2002 - 2006 Faculty, Saint Francis Memorial Hospital, Center for Wound Healing, San Francisco, CA

2005 - 2006 Medical Co-Director, Saint Francis Memorial Hospital Center for Wound Healing, San Francisco, CA

2006 - 2008 Medical Director, Wound Care Services, Intermountain Healthcare Urban Central Region, Salt Lake City, UT

### **Editorial Experience**

2009 - Present Editorial Board: Wound Repair and Regeneration

2011 – 2013 Editorial Board: Wound Healing Society Yearbook

2015 – Present Associate Editor: Anesthesiology

## **Reviewer Experience**

Reviewer for:

Anesthesia and Analgesia  
Archives of Surgery  
Anesthesiology  
Top 10% for quality, quantity, & timeliness, 2006-2013, 2015-2016  
Wound Repair and Regeneration  
Surgery  
Undersea and Hyperbaric Medicine  
Transfusion  
International Journal of Obstetric Anesthesia  
Archives of Internal Medicine  
Annals of Surgery  
Methods and Findings in Experimental and Clinical Pharmacology  
The Lancet  
Wound Healing Society Yearbook  
JAMA  
Critical Care Medicine  
Journal of Clinical Anesthesia  
BMC Anesthesiology  
British Journal of Anaesthesia  
British Medical Journal  
Burns  
International Wound Journal  
Journal of Investigative Dermatology  
Physical Medicine and Rehabilitation  
Chest  
Surgical Infections  
BMC Cancer  
Journal of Visualized Experiments  
Acta Physiologica  
American Journal of Infection Control  
Diabetes  
Cochrane Collaborative  
ACS Applied Materials & Interfaces  
Journal of Obstetrics and Gynecology  
The Journal of Teaching and Learning Resources  
(MedEdPortal.org)  
PLOS ONE

## **HONORS**

1978-1982	Yale Women's Basketball 4-year Varsity Letter Winner Most Improved Player (1979)
1979 -1980	Yale Women's Track 2-year Varsity Letter Winner Yale Women's High Jump Record - Indoor (1979) Yale Women's High Jump Record - Outdoor (1979)
1981 -1982	Yale Women's Softball 2-year Varsity Letter Winner

- 1999 UCSF Graduate Students Association Faculty Mentorship Award  
*The UCSF Graduate Students Association and the Graduate Division Alumni Association have given this award annually since 1999 to “recognize and show appreciation for faculty members who consistently provide exceptional support, both professionally and personally, to graduate students at UCSF”*
- 2004-2006 The Haile T. Debas Academy of Medical Educators  
*Members are selected by an external panel in recognition of outstanding accomplishment in medical student education.*
- 2007 Award for Significant Contribution to the Advancement of Hyperbaric Medicine, Winter Symposium on Hyperbaric Medicine and Wound Management
- 2008 -2009 Fellow, Executive Leadership in Academic Medicine Program, Drexel University College of Medicine
- 2011 - Present Foundation for Anesthesia Education and Research (FAER) Academy of Research Mentors in Anesthesiology
- 2012 Fellow of Undersea and Hyperbaric Medicine (FUHM)
- 2013 Foundation for Anesthesia Education and Research (FAER) Mentoring Excellence in Research Award  
*The award recognizes “sustained career commitment to mentoring and a significant positive impact on the careers of mentees”*
- 2013 YWCA Utah Outstanding Achievement Award in Medicine and Health  
*Given annually to women whose lives and achievements exemplify the YWCA’s mission: eliminating racism, empowering women, and promoting peace, justice, freedom, and dignity for all.*
- 2014 - Present University of Utah Academy of Health Sciences Educators  
*Fellows are senior educators who are recognized by students and faculty for their excellence in education*
- 2017 Linda K. Amos Award for Distinguished Service to Women, University of Utah  
*The award recognizes an individual staff or faculty member at the University of Utah who has selflessly given time and energy to improve the educational and/or working environment for women at the University*

## **ADMINISTRATIVE EXPERIENCE**

### **Administrative Duties**

- 1992 -2006 **University of California, San Francisco, Department of Anesthesia and Perioperative Care (Trainee Related)**  
 1992 - 1994 Resident Selection Committee  
 2000 - 2006 Resident Selection Committee  
 1993 - 2006 Resident Advisor  
 1996 - 2006 Resident Evaluation Committee  
 1997 - 2001 Moderator: Fellow's Conference  
 2001 - 2002 Faculty Co-Director, Anesthesia Interest Group  
 2005 - 2006 Resident Medical Student Teaching Award Selection Committee
- 1992 -2006 **University of California, San Francisco, Department of Anesthesia and Perioperative Care (Faculty Related)**  
 1997, 2001, 2003 Merit and Promotions Committee, Chair, 2003  
 2004 - 2006 Co-Director, Faculty Development Lecture Series  
 2005 - 2006 Chair, E1 (non-specialty call) Faculty Committee

1992 -2006      **University of California, San Francisco (Campus Wide)**  
1998 - 2001      Chair, Acute and Chronic Wound Care Practice Guideline Development Group, Office of Clinical Resource Management  
1999 - 2006      General Clinical Research Center Advisory Committee  
2000 - 2003      Doris Duker Medical Student Clinical Research Fellowship Advisory Committee  
2003 - 2005      Chancellor's Advisory Committee on the Status of Women Website Subcommittee, 2003-2004  
Faculty Subcommittee, 2004-2006  
2004 - 2006      The Haile T. Debas Academy of Medical Educators  
2004 - 2006      Perioperative Quality Improvement Advisory Committee  
2005-2006      Organizing Committee, Career Mentoring Workshop for Junior Faculty

1996 -1997      **San Francisco General Hospital**  
1996 - 1997      Pain Management Committee  
1996 - 1997      Director, Anesthesia Pain Service

2006 - Present      **University of Utah (School of Medicine)**  
2006 - 2009      University of Utah Center of Excellence in Women's Health  
Demonstration Project Leadership Committee  
2007-2012      School of Medicine Mentoring for "U" Workshop  
Chair, Organizing Committee  
2009 - 2012      Director, Women in Medicine and Science Program  
2009 - 2012      Director of Faculty Mentoring, Office of Faculty Administration  
2009 - 2013      Mission Based Management Advisory Committee  
*School of Medicine Budget Oversight Committee*  
2009 - Present      CME Advisory Committee  
2010      Clinical Faculty & Recruitment Task Force  
2010 - 2013      AMWA Faculty Advisor  
2012 – 2014      Chair, RPT Criteria Revisions Committee

2008 - Present      **University of Utah (Campus Wide)**  
2008 – 2011      Senator, Academic Senate  
2009 – 2013      Presidential Commission on the Status of Women  
2010 – 2012      Curriculum and Event Planning Committee  
2010 – 2013      Women's Week Planning Committee  
2011 – Present      Edie Kochenour Memorial Lecture Planning Committee  
2011 – 2012      Search Committee: Health Sciences Associate Vice President for Inclusion  
2011 – 2016      Athletics Advisory Council Member  
Gender and Equity Subcommittee 2011-2014,  
Chair, 2013-14  
Chair, 2014-2016  
2012 – 2016, 2018 - Present      Academic Senate, Ex Officio member  
2012 – 2016, 2018 - Present      AS Executive Committee, Ex Officio  
2012 – 2013      Ad Hoc Committee on Auxiliary Faculty  
2013 – 2015      Academic Policy Advisory Committee  
2013 – 2017      Ad Hoc Committee on Career-line Faculty  
2014 – 2016      Ad Hoc Committee on Tenured Faculty Review

2014 – Present	Academy of Health Sciences Educators 2014 – 2017 Research Committee 2017 – Present Mentoring Committee Chair, 2017-2018 2017 – 2018 Executive Committee
2014 – 2015	Ad Hoc Committee on Career-line Appeals Process
2015 – 2017	Women’s Basketball Committee
2015 – 2016	Athletic Sportsmanship Committee
2015 -2016	Search Committee: School of Dentistry Dean
2017	Chair, New Sport Working Group
2018 – Present	Ad Hoc committee on Centers, Institutes, and Bureaus
2018 - Present	Linda K. Amos Award Selection Committee
2018 – 2019	Ad Hoc Committee on Career-Line Eligibility to Serve as Senate President
2018 – 2019	Retention, Promotion, and Review(RPT) Policy Analysis Committee
2019 – Present	Academic Senate Special Committee on Career-Line Faculty Parental Leave Policy
2019 – Present	Academic Senate Special Committee on Student Input in the RPT Process
2009 – Present	<b>University of Utah Hospitals and Clinics</b>
2009 – 2015	Chair, Perioperative Infection Control Committee
2009 – Present	Hospital Infection Control Committee
2013 – 2015	Chair, Surgical Care Improvement Project Committee
2015 – Present	UUHSC Surgical Site Infection Collaborative
2015 – Present	Chair, Surgical Antibiotic Prophylaxis Oversight Committee
2006 - Present	<b>University of Utah (Department of Anesthesiology)</b>
2006-2009	Director of Translational Research
2006 - 2012	Research Committee
2007 - 2018	Resident Selection Committee
2007 - 2016	Resident Advisor
2008 - 2018	Director of Resident Research Training
2010 - 2015	Education Committee
2010 – 2012 & 2017 - Present	Faculty Development Series Committee
2011 – 2012	Staffing Task Force
2011 – 2012	CME Committee
2011 - 2018	Vice Chair for Faculty Development
2012 - 2013	Centricity Clinical Documentation and Compliance Committee
2012 – 2018	Research Council
2015 – 2018	Education Council
2016 – 2017	Chair, Task Force on Research Faculty Recruitment
2017 – 2018	Task Force on Research Faculty Compensation
2017 – 2018	Chair, Task Force on Salary Equity
2006 - 2008	<b>Intermountain Healthcare</b>
2006 - 2008	Wound and Skin Team
2006 - 2008	LDS Hospital Skin and Wound Action Team

## **Professional Organization & Scientific Activities**

1998 - Present	<b>Wound Healing Society (Committees)</b>
1998-2008	Government Relations Committee
2000-2009	Education Committee Chair, 2001-2004
2004-2008	Scientific Liaison Committee Chair, 2004-2008
2005-7, 2011-14	Nominations Committee Chair, 2012-2013
2010 - Present	Website / Communication Committee
1996-98, 2001-2014	Program Committee
2016-2019	Chair, 2003-2004, 2017-18
2009-2013	Finance Committee Chair, 2010-2011
1998-2001	Chair, WOCN and WHS Consensus Panel for Wound Care of Arterial Ischemic Ulcers
2005-2009	Chair, Committee to Develop Guidelines for the Diagnosis & Treatment of Arterial Ischemic Ulcers
2012 – 2014	Arterial Ulcers Guidelines Revision Committee
2001 - Present	<b>Wound Healing Society (Elected Officer)</b>
2001 – 2004	Board of Directors
2006 - 2010	Secretary
2009 - 2010	Vice President
2010 - 2011	President Elect
2011 - 2012	President
2012 - 2013	Past President
2015 – 2018	Board of Directors
2001 - Present	<b>Undersea and Hyperbaric Medical Society</b>
2004 - 2007	Board of Directors
2001 - 2017	Hyperbaric Oxygen Therapy Committee
2002 - 2013	Publications Committee Chair, 2004 - 2011
2003 - 2007	Wound Care Liaison Committee
2003 - 2006	Federal and Regulatory Affairs Task Force
2005 - 2006	Website Committee
2012 – Present	Fellow in UHM Selection Committee
2003 – 2005	American Health Quality Association, California Surgical Site Infection Prevention Collaborative, Expert Panel
2006 - 2007	Co-Chair, American Health Quality Association, California Surgical Care Improvement Program Collaborative
2010 – Present	<b>American Society of Anesthesiologists (ASA)</b>
2010 – 2015	Infection Control Committee
2011 – Present	Equipment and Facilities Subcommittee on Environmental Sustainability
2018 – Present	Ad Hoc Committee on Women in Anesthesia
2018	Ad Hoc Committee on Social Media
2010 - 2013	<b>ELAM Alumnae Advisory Board</b> Co-Chair Community Building Committee Program Committee

- 2012 – Present **AAMC Group on Faculty Affairs**  
 2012 – 2013 Program Planning and Professional Development Sub-Committee  
 2013 – 2018 Professional Development Sub-Committee Chair, 2015-16  
 2013 – 2018 Communications Sub-Committee  
 2014 – 2018 Steering Committee  
 2014 – 2015 Co-Chair, GFA Toolkit Publication Task Force
- 2013 – Present **Foundation for Anesthesia Education and Research**  
 2011 – Present Academy of Research Mentors  
 2013 – Present Board of Directors Chair-Elect, 2018 - 2019  
 2013 – 2016 Research in Education Study Section  
 2016 – Present Programs Committee  
 2017 Chair, Medical Student Anesthesia Research Fellowship Sub-Committee
- 2015 – Present **Women in Anesthesiology**  
 2015 – 2018 Board of Advisors  
 2019 – Present Board of Directors
- 2016 – 2018 **Executive Leadership in Academic Medicine Program**  
 Learning Community Advisor

#### **Grant Review Committee/Study Section**

- 1997 -2007, 2010-15, 2018 Member, National Institute of General Medical Sciences, Special Emphasis Panels for the Review of Research Training Grant Applications  
 Chair, 2005  
 Site Visit Chair, 2012-2014
- 1997 - Present Outside Consultant/Reviewer, National Institutes of Health  
 2000 - 2003, 2005 - 2006 Member, National Institute of General Medical Sciences, Special Emphasis Panels for the Review of Research Center Grant Applications  
 2001 - 2004 Member, Veterans Administration, VA Medical Research Program, Review of Grant Applications
- 2002 - 2004, 2010 - Present Member, National Institute of General Medical Sciences, Special Emphasis Panels for the Review of Postdoctoral Loan Repayment Applications  
 2002 Member, U.S. Navy, Office of Naval Review, Review of Grant Applications  
 2003 - 2006 Member, University of California San Francisco, Departmental Scientific Review Committee for CAR and CHR proposals
- 2004, 2013 Outside reviewer, NIH Musculoskeletal Rehabilitation Sciences (MRS) Study Section
- 2005, 2009 2013 Member, National Institutes of Health, NCI Special Review Panel  
 Reviewer, KY Science & Engineering Foundation R&D Excellence Awards

#### **Symposium/Meeting Chair/Coordinator**

- 2001 -2003 Wound Healing Society Educational Symposium Director  
 2003 -2004 2017 - 2018 Co-Chair, Wound Healing Society Annual Meeting Program Committee
- 2007 - 2013 Co-Chair, University of Utah, Department of Anesthesiology Annual Postgraduate Course in Anesthesiology



2008, 2010 Chair, Organizing Committee for Undersea and Hyperbaric Medical Society Annual Meeting Pre-course: Wound Healing Workshop  
 2010 - 2011 Dartmouth Medical School: 50 Years of at DMS Opening Celebration, Planning Committee  
 2011 - 2012 Dartmouth Women in Medicine and Science Conference: Pioneers, Leaders, Innovators, Planning Committee  
 2008 – 2014 Hyperbaric Medicine & Wound Care Winter Symposium Planning Committee  
 2017 - 2018 Advisory Board and Planning Committee, Workshop on Environmental Sustainability in Clinical Care

**PROFESSIONAL COMMUNITY ACTIVITIES**

1993 Lecturer, Lowell High School, Lowell High School Red Cross Club, San Francisco, CA. Lecture " Why Do We Have Pain?"  
 1994 Physician Lecturer, Christchurch Hospital, Tissue Oxygen ICU Seminar, Christchurch, New Zealand  
 1994 Mentor, Oakland High School, Mentor for Senior Projects  
 1994 Physician Lecturer, Sanglah Hospital, "Blood and Body Fluid Precautions as Practiced at UCSF/SFGH", Denpasar, Bali, Indonesia  
 1996 Physician Lecturer, Augustine Medical, Inc., "Non-Healing Lower Extremity Ulcers", Eden Prairie, MN  
 1997 Mentor, Oakland High School, Mentor for Senior Projects  
 1997 -1999 Mentor, San Mateo County Regional Occupational Program  
 1998 -2000 Member, Sechrist Industries, Clinical Services Advisory Panel  
 1999 Mentor, Oakland High School, Mentor for Senior Projects  
 2000 -2002 External Consultant & Reviewer, United States Department of Health and Human Services, Healthcare Financing Administration, Review of indications for hyperbaric oxygen therapy.  
 2003 -2004 Member, Blue Cross Blue Shield, U.S Agency for Health Care Research and Quality Expert Panel, Evidence-Based Practice Center Technical Expert Panel for Wound Healing Evidence Report  
 2014 YWCA Utah Outstanding Achievement Award Selection Committee

**UNIVERSITY COMMUNITY ACTIVITIES**

**University Level**

2006 - 2009 Faculty Mentor, University of Utah Alumni Mentor Program, School of Medicine  
 2006 - Present Faculty Mentor for Premedical Student Shadowing  
 2017 - Present Crimson Club Utes With Wings Advisory Board, University of Utah

**SERVICE AT PREVIOUS INSTITUTIONS**

1997 -2006 Faculty Mentor, University of California, San Francisco, Women in Life Sciences Mentoring Program  
 1998 -2002 Member, University of California, San Francisco, School of Medicine Family Network Program  
 1999 -2006 Faculty Mentor, University of California, San Francisco, Women Medical Students Association Mentoring Program  
 2000 -2004 Member, University of California, San Francisco, " Scar Wars", Take Our Daughters to Work Day. Program for 10-13 year olds.

## **CURRENT MEMBERSHIPS IN PROFESSIONAL SOCIETIES**

American Society of Anesthesiologists  
International Anesthesia Research Society  
Wound Healing Society  
International Society on Oxygen Transport to Tissue  
Undersea & Hyperbaric Medical Society  
Association of University Anesthesiologists  
American Medical Association  
Utah Medical Association  
Utah Society of Anesthesiologists  
AAMC Group on Women in Medicine and Science  
AAMC Group on Faculty Affairs  
AAMC Group on Diversity and Inclusion  
Women in Anesthesiology  
Society for Advancement of Chicanos & Native Americans in Science (SACNAS)  
World Professional Association for Transgender Health (WPATH)

## **FUNDING**

### **Past Grants**

01/01/89 - 12/31/94      **A Study of Wound Healing and Wound Infection (GM P50 27345)**  
NIH National Institute of General Medical Sciences (NIGMS)  
Role: Co-Investigator

01/01/95 - 12/31/05      **A Study of Wound Healing, Infection and Inflammation (GM RCG P50 GM27345-24)**  
Center PI: Thomas K. Hunt, MD;      Annual Direct Costs: \$906,642  
Center Associate Director: Harriet W. Hopf, MD  
**Project 4 PI: Harriet W. Hopf, MD**      Annual Direct Costs \$110,890  
**Oxygen in the Clinical Management of Wounds**  
NIH National Institute of General Medical Sciences (NIGMS)  
Role: Associate Director; Project 4 Principal Investigator

07/04 – 7/06      **Comprehensive Anesthesia Research Training (5T32 GM08258)**  
Role: Faculty Mentor

01/01/96 - 12/31/05      **Tissue Oxygen During Anemia and Red Blood Cell Transfusion (SCOR P50HL54476)**  
Direct Costs: \$1,264,507      Total Costs: \$1,264,507  
NIH National Heart, Lung and Blood Institute (NHLBI)  
Role: Co-Investigator

07/01/92 - 10/01/06      **Academic Training in Trauma and Burns (5T32 GM08258)**  
Role: Faculty Mentor (1992-2006); Executive Committee (1996-2006)

07/01/98 - 06/30/00      **The Effect of Supplemental Fluid on Tissue Oxygenation in Patients with Pressure Ulcers: A Pilot Study**  
Direct Costs: \$15,127      Total Costs: \$15,127  
National Institute of Nursing Research  
Role: Co-Investigator

- 07/01/00 - 09/07/01      **Mentored Medical Student Clinical Research Grant (1 R25 RR015409)**  
 National Institutes of Health (NIH)  
 Role: Principal Investigator
- 07/01/00 - 06/30/04      **Human Neurophysiology of Nicotine Analgesia: Sex Differences**  
 Direct Costs: \$199,938    Total Costs: \$199,938  
 University of California  
 Role: Co-Investigator
- 02/15/03 - 11/30/07      **The Placebo effects in distant healing (DH) of wounds (R21 AT001437)**  
 NIH National Center for Complementary and Alternative Medicine (NCCAM)  
 Role: Co-Investigator
- 07/01/03 - 06/30/07      **The Effect of Supplemental Fluid on Tissue Oxygenation in Patients with Pressure Ulcers**  
 TDirect Costs: \$204,000    Total Costs: \$204,000  
 National Institute of Nursing Research  
 Role: Co-Investigator
- 01/01/06 - 12/31/08      **A Comparison of Tissue Oxygen Levels in Multiple Organs During Isovolemic Hemodilution with Right and Left-shifted Hemoglobin Based Blood Substitutes**  
 Foundation for Anesthesia Education and Research (FAER)  
 Role: Mentor
- 04/01/05 - 03/30/07      **Acupuncture and surgical site complications in patients undergoing CABG**  
 Direct Costs: \$115,000    Total Costs: \$115,000  
 Samueli Institute for Information Biology  
 Role: Principal Investigator
- 05/01/07 - 12/31/08      **Does Cleansing Increase Perfusion and Oxygen in Venous Insufficiency Ulcers?**  
 The Specific Aim of this proposal is to perform a randomized, controlled trial to determine whether cleansing with a body temperature (BT) hypotonic solution increases wound oxygen, perfusion, and temperature in venous insufficiency leg ulcers as compared to BT and room temperature (RT) sterile isotonic solution.  
 Deseret Foundation  
 Role: Principal Investigator
- 05/09 – 11/09      **FAER Medical Student Anesthesia Research Fellowship**  
 Direct Costs: \$5,000    Total Costs: \$5,000  
 Foundation for Anesthesia Education and Research (FAER)  
 Role: Principal Investigator
- 05/09 – 11/10      **Non-Invasive management of Chronic Venous Insufficiency**  
 NIH SBIR 1 R43 HL092673  
 Role: Clinical Site Principal Investigator

05/10 - 11/10 **FAER Medical Student Anesthesia Research Fellowship**  
 Direct Costs: \$4,000 Total Costs: \$4,000  
 Foundation for Anesthesia Education and Research (FAER)  
 Role: Principal Investigator

06/11 - 11/11 **FAER Medical Student Anesthesia Research Fellowship**  
 Direct Costs: \$4,200 Total Costs: \$4,200  
 Foundation for Anesthesia Education and Research (FAER)  
 Role: Principal Investigator

06/12 - 11/12 **FAER Medical Student Anesthesia Research Fellowship**  
 Direct Costs: \$4,200 Total Costs: \$4,200  
 Foundation for Anesthesia Education and Research (FAER)  
 Role: Principal Investigator

06/13 - 11/13 **FAER Medical Student Anesthesia Research Fellowship**  
 Direct Costs: \$4,200 Total Costs: \$4,200  
 Foundation for Anesthesia Education and Research (FAER)  
 Role: Principal Investigator

05/14 - 11/15 **FAER Medical Student Anesthesia Research Fellowship**  
 Direct Costs: \$3,200 Total Costs: \$3,200  
 Foundation for Anesthesia Education and Research (FAER)  
 Role: Principal Investigator

05/16 - 11/16 **FAER Medical Student Anesthesia Research Fellowship**  
 Direct Costs: \$5,200 Total Costs: \$5,200  
 Foundation for Anesthesia Education and Research (FAER)  
 Role: Student Education Faculty Member

05/17 - 11/17 **FAER Medical Student Anesthesia Research Fellowship**  
 Direct Costs: \$5,200 Total Costs: \$5,200  
 Foundation for Anesthesia Education and Research (FAER)  
 Role: Student Education Faculty Member

05/18 - 11/18 **FAER Medical Student Anesthesia Research Fellowship**  
 Direct Costs: \$5,200 Total Costs: \$5,200  
 Foundation for Anesthesia Education and Research (FAER)  
 Role: Student Education Faculty Member

**Past Contracts**

05/01/08 - 12/31/08 **An open label extension study (to study DK143WS) evaluating the safety and long-term safety follow-up of Biatain Ibu in painful chronic venous leg ulcers**  
 Coloplast A/S, Humlebaek, Denmark  
 Role: Principal Investigator

05/01/08 - 12/31/08 **A randomised, controlled and double-blind clinical investigation on the effectiveness and Safety of a foam dressing Biatain Ibu non-adhesive vs. Biatain non-adhesive, in painful chronic venous leg ulcers.**  
 Coloplast A/S, Humlebaek, Denmark  
 Role: Principal Investigator

- 07/01/05 - **Topical Oxygen and Split Thickness Skin Graft Donor Site Healing**  
 06/01/06 Direct Costs: \$65,583 Total Costs: \$65,583  
 OxyBand Technologies Inc.  
 Role: Principal Investigator
- 01/01/96 - **Effect of a Radiant-Heat Bandage on Wound Healing Variables**  
 12/31/97 Augustine Medical Inc.  
 Role: Principal Investigator
- 01/01/94 - **The Effect of a Sequential Alternating Pressure Mattress on Tissue  
 Oxygenation in Volunteers and Patients with Full-Thickness Pressure  
 Ulcers**  
 12/31/96 Pegasus Research Foundation  
 Role: Principal Investigator

### **TEACHING RESPONSIBILITIES / ASSIGNMENTS**

Most of my teaching involves small groups of residents and / or students: 1 or 2 during clinical teaching and 6-10 for small group lectures and seminars, although I also give lectures for larger groups of 20 or more. My philosophy is to promote active learning in a comfortable, non-judgmental environment. My goal is to push students to be aware of the full range of their capabilities and knowledge, and to build on what they already know. One student described my style as "pimping without the stress."

### **Courses Directed**

- 1999 -2006 Director, Wound Clinic elective rotation for Family Practice and Internal  
 Medicine Residents from UCSF and St. Mary's Hospital residency programs
- 2008 – 2018 Director, Anesthesia Resident Research Rotation

### **Clinical Teaching**

#### **UCSF**

- 1992 -2006 Anesthesia 110 Clinical Clerkship in Anesthesia
- 1992 -2006 Clinical Anesthesia: Taught anesthetic management (one on one with  
 Anesthesia residents) 1.5 days per week, including general anesthesia cases  
 of all types, and with 1 day per month in the Post Anesthesia Care Unit  
 teaching postoperative management and 2 days per month in Labor and  
 Delivery teaching Obstetrical Anesthesia
- 1992 -2006 Anesthesia 111 Advanced Cardiac Life Support

#### **U of Utah**

- 2006 - Present Department of Anesthesiology Medical Student Clerkship
- 2006 – Present Department of Anesthesiology Clinical Resident Teaching
- 2008 - 2018 Department of Anesthesiology Resident Teaching Elective
- 2013 - 2018 Department of Anesthesiology Anesthesia Assistant Rotation

## Small Group Teaching

### UCSF

#### Medical Students

Physiology	100	Discussion Section	1993-94, 1996-97, 1999-2001
Surgery Core Clerkship	110	Perioperative Evaluation and Postoperative Complications 2-hour seminar given 9 times a year	1999-2006
Anesthesia Core Clerkship	110	Sedation Evidence Based Medicine 1 hour lectures given 4-6 times a year	2004-2006

#### Educational Lectures

1991 -2000	Instructor: Fiberoptic Airway Management Workshop
1992	Tissue Oxygen and Wound Healing Surgery Resident's Conference, VA Hospital, Palo Alto, CA
1993 -1999	Graduate Program in Physical Therapy UCSF/SFSU Wound Healing: Lecture to 1st Year Students
1994 -1995	Wound Healing Surgery Clerkship conference, USUHS, Bethesda, MD
1999 -2006	Obstetrics & Gynecology, Family Practice, Internal Medicine, Primary Care Residents: Basics of Wound Care
2000 -2006	<b>Anesthesia Residents</b> Epidurals and the Progress of Labor (monthly) Complications of Neuraxial Blockade (monthly) Anesthetic Management and Wound Outcomes Anemia
2001 -2003	<b>Surgery Residents</b> Basics of Pain Management
2002 -2006	<b>Anesthesia Residents</b> Malignant Hyperthermia / Thermoregulation Diving and Hyperbaric Medicine
2005	Antibiotic Prophylaxis and the Anesthesiologist UCSF Department of Anesthesia and Perioperative Care Faculty Development Series, San Francisco, CA
2005	The Educator's Portfolio UCSF Department of Anesthesia and Perioperative Care Faculty Development Series, San Francisco, CA

#### University of Utah Department of Anesthesiology Resident Lectures:

Anemia (CA-1, CA-3, and Medical Students)	2006
Epidurals and Labor Outcomes (CA-3)	2006
Hyperbaric Medicine (CA-3)	2007
Anemia (CA-3)	2007 - 2016
Allergy and Immunity / Surgical Site Infection Prevention (CA-1)	2011 – 2015
Infection Control (CA-1)	2013 - Present

### **LDS Hospital Wound Care Services Lectures**

Basics of Wound Care	2006
Wound Debridement	2006
Wound Dressings	2006
Wound Care Protocols	2006
Diagnosis and Treatment of Wound Infections	2007
Pain Management	2007

### **Intermountain Medical Center Hyperbaric Oxygen Training Course**

Transcutaneous Oximetry	2008 - Present
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### **University of Utah Department of Anesthesiology Biomedical Technology in Anesthesia and Critical Care Course** (for Bioengineering upper level and graduate students)

Warming devices, oxygen delivery, & infection prevention	2011-13, 2016, 2018
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### **University of Utah School of Medicine Lectures:**

Wound Management: Beyond Wet to Dry Transition to Internship Course	2014 - Present
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### **University of Utah**

UC 1020 (Intro to Pre-Med) lecture	2014 – Present
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### **University of Utah Office of Academic Affairs and Faculty Development**

Understanding Faculty Review and Advancement	2012 - 2016
Writing an Effective Self-Assessment	2013 – 2016
Preparing for the Faculty Review and Advancement Process	2013 – 2016
<i>Met annually with faculty members from each of the 22 SOM departments who were scheduled for faculty review and advancement (retention, promotion, and tenure) actions</i>	
Understanding the New Faculty Review and Advancement Policies	2014
<i>Presentation for each of the SOM departments on the new faculty review and advancement policies</i>	

### **University of Utah Department of Anesthesiology Faculty Development Series**

Providing Constructive Feedback to Residents	2017
Career Development & Strategies For Getting Promoted	2018
Tuning the Mentoring Soundboard: Providing Constructive Feedback in Complex Situations	2019

### **Mentoring**

#### **Faculty Mentor**

1999-Present	Ludwig Lin, MD. Private Practice, Anesthesia and Critical Care, San Francisco, CA
2005-Present	Mark D. Rollins, MD, PhD. Professor of Anesthesiology and Director of Obstetric Anesthesia University of Utah, Salt Lake City, UT.
2007-Present	Mark Harris, MD. Associate Professor (Clinical) and Program Director, University of Utah Department of Anesthesiology, Salt Lake City, UT

2007-Present	Elizabeth Thackeray, MD. Associate Professor (Clinical), University of Utah Department of Anesthesiology, Salt Lake City, UT
2009-Present	Jodi Sherman, MD, LMT. Associate Clinical Professor and Director of Sustainability, Yale University School of Medicine Department of Anesthesiology, New Haven, CT
2011-Present	Deborah Axelrod, MD. Associate Professor (Clinical), University of Utah Department of Anesthesiology, Salt Lake City, UT.
2014 - 2015	Charlie Hicks-Little, PhD. Adjunct Associate Professor, Department of Exercise and Sports Science, College of Health, University of Utah. Academy of Health Sciences Educators Mentoring Program.
2015 - Present	Natalie Silverton, MD. Assistant Professor (Clinical) University of Utah Department of Anesthesiology, Salt Lake City, UT.
2015 – Present	Ami Stuart, PhD, Research Manager, University of Utah Department of Anesthesiology, Salt Lake City, UT
2016 -2017	Teresa L. Such-Neibar, D.O. Associate Professor (Clinical), University of Utah Department of Pediatrics, Salt Lake City, UT
2016 – Present	Emily Hagn, MD, Assistant Professor (Clinical) University of Utah Department of Anesthesiology, Salt Lake City, UT.
2018 - Present	Lauren Knecht, MD, Assistant Professor (Clinical) University of Utah Department of Anesthesiology, Salt Lake City, UT.
2018 – Present	Smitha Warrior, MD, Assistant Professor (Clinical) University of Utah Department of Anesthesiology, Salt Lake City, UT.

#### **Research Fellow Mentor**

1991 - 1992	Clark Sheffield, M.D. General Surgeon, private practice, American Fork Hospital, American Fork, UT
1992 - 1994	Dan Allen, M.D. Plastic Surgeon, private practice, Castro Valley, CA
1992 - 1994	David Zabel, M.D. Plastic Surgeon, private practice, Christiana Care Wound Care Center, Wilmington, DE.
1994 - 1998	Christine Doyle, M.D. Anesthesiologist, private practice, O'Connor Hospital, San Jose, CA; President, Coast Anesthesia Medical Group
1994 - 1996	Mark Suski, M.D. Plastic surgeon, private practice, Thousand Oaks, CA
1995 - 1997	Adam Angeles, M.D. Plastic surgeon, private practice, Bend, OR
1996 - 1998	John Feng, M.D. Medical Director of Bariatric Surgery Services at Sequoia Hospital, Redwood City, CA.
1996 - 1998	Jeff Gibson, M.D. Plastic surgeon, private practice, Miami, FL.
1997	Venkatesh Balasubramanian, M.D., PhD. University of Queensland, Australia, Anesthesia and Critical Care Medicine
1997 - 1999	Geoffrey Manley, M.D., PhD. Professor in Residence, Department of Neurosurgery, UCSF, San Francisco, CA
1998 - 1999	Nancy Szaflarski, RN, PhD, FCCM. Program Director, Clinical Effectiveness Innovation, Stanford Hospitals and Clinics, Palo Alto, CA
1998 - 2001	Nancy Puzziferi, M.D. Assistant Professor of Surgery, UT Southwestern Medical Center, Dallas, TX
1998 - 1999	Ludwig Lin, M.D. Private Practice, Anesthesia and Critical Care, San Francisco, CA
2000 - 2002	Lisa Humphrey Collins, M.D. Private practice anesthesia, San Pablo, CA
2001	Noah Rosen, M.D. Vascular surgeon, private practice, Boston, MA
2002 - 2006	Rummana Aslam, MBBS. Attending Physician, Spaulding Rehab-Cape Cod (MGH), East Sandwich, MA



2003 - 2006 Jodi Sherman, MD, LMT. Associate Clinical Professor and Director of Sustainability, Yale University School of Medicine Department of Anesthesiology, New Haven, CT

2003 - 2005 Danagra Ikossi, MD. Minimally invasive surgeon, private practice, CA

2004 - 2005 Mark Rollins, M.D., PhD. Professor Anesthesiology and Director of Obstetric Anesthesia Research, University of Utah.

2004 - 2006 Eri Fukaya, M.D. Clinical Assistant Professor of Surgery and Medicine, Stanford University

2005 - 2006 Christian Ueno, M.D. Assistant Professor of Plastic Surgery, University of West Virginia.

2005 - 2006 Dag Shapshak, M.D. Associate Professor of Emergency Medicine, University of Alabama, Birmingham, AL

2007 - 2008 Vanessa Hadley, MD. Private practice anesthesia.

2006-2007 Cristina Sullivan, MD. Private practice anesthesia.

2009 Emily Hagn, MD. Assistant Professor (Clinical), University of Utah

2010-2017 Tyler Call, MD. Assistant Professor (Clinical), University of Utah, Ramp Grant Recipient

2013 James Lee, MD, Assistant Professor (Clinical), Department of Anesthesiology, University of Utah

2014 – 2016 Eric Coon, MD. Assistant Professor (Clinical) of Pediatrics, University of Utah. Academy of Health Sciences Educators Mentoring Program.

2014 – 2015 Sapna Kaul, PhD. Assistant Professor, Preventive Medicine & Community Health, University of Texas Medical Branch, Galveston, TX. Academy of Health Sciences Educators Mentoring Program.

2016 – 2017 Rebecca Desso, MD, Assistant Professor (Clinical), University of Utah Department of Anesthesiology, Salt Lake City, UT.

2018 – Present Landon Woolf, MD, Anesthesia Resident, University of Utah.

2018 – Present Jacob Pollard, MD, Anesthesia Resident, University of Utah

### **Resident Advisor**

2000 - 2002 Theresa Sloma, MD. Private practice anesthesia, San Diego, CA.

2001 - 2004 Jeremy Nussbaumer, MD. Private practice anesthesia, Denver, CO.

2001 - 2004 Mark Rollins, MD, PhD. Professor of Anesthesiology and Director of Obstetric Anesthesia Research, University of Utah, Salt Lake City, UT

2002 - 2005 Lisa Humphrey Collins, MD. Private practice anesthesia, San Pablo, CA

2003 - 2006 Susan Wetstone, MD. Private practice anesthesia, Bellevue, WA

2003 - 2006 Amy Hansen, MD. Private practice, Fairbanks Memorial Hospital Pain Treatment Center, Fairbanks, AK

2004 - 2007 Gerard Dang, MD. Private practice anesthesia, Walnut Creek, CA

2004 - 2007 Rebecca Krisman, MD, MPH. Private practice anesthesia, Walnut Creek, CA

2007 - 2010 Diane Gordon, MD. Assistant Professor, Cincinnati Children's Hospital, University of Cincinnati Department of Anesthesiology

2008 - 2011 Dawn Baker, MD. Adjunct Assistant Professor, Department of Anesthesiology, University of Utah, Salt Lake City, UT

2011-2014 Cynthia Newberry, MD. Assistant Professor (Clinical), Department of Anesthesiology, University of Utah, Salt Lake City, UT

2013 – 2016 Sarah McConville, MD. Assistant Professor (Clinical), Department of Anesthesiology, University of Utah, Salt Lake City, UT

**PhD Mentor**

- 1990 - 1994 Judith M. West RN, DNS. University of California San Francisco, School of Nursing, Department of Physiological Nursing, San Francisco, CA. Retired. Previously Research Coordinator, Wound Healing Laboratory, UCSF, San Francisco, CA
- 1991 - 1994 Nancy Szaflarski, RN, PhD, CCNP, FCCM. UCSF School of Nursing, San Francisco, CA. Qualifying Exam Committee 1992, Dissertation Committee 1992-1994. Program Director, Clinical Effectiveness Innovation, Stanford Hospitals and Clinics, Palo Alto, CA
- 1996 - 1999 Mark Rollins, MD, PhD. UCSF/UCB Bioengineering, San Francisco, CA. Qualifying Exam Committee, 1997, Chair, Dissertation Committee, 1997-1999. Professor of Anesthesiology and Director of Obstetric Anesthesia, University of Utah, Salt Lake City, UT
- 1997 - 2002 Leslie Kenna, PhD. UCSF Department of Biopharmaceutical Sciences, San Francisco, CA. University of California San Francisco, Women in Life Sciences Mentoring Program. FDA Scientist.
- 2003 - 2005 Vivian Wong, RN, PhD. UCSF School of Nursing, Department of Physiological Nursing, San Francisco, CA. Qualifying Exam Committee 2003-2004, Dissertation committee 2004-2005. Associate Professor, San Jose State University College of Nursing, San Jose, CA
- 2005 Azucena Rodriguez, PhD. Qualifying Exam Committee 2005. Argonne National Laboratory, University of California, Berkeley
- 2007 - 2010 Russell Condie, BS. Co-mentor, Dissertation Committee.

**Medical Student Research Mentor**

- 1992 - 1993 Dax Swanson, MD. Private practice, Family Medicine, Quincy, CA.
- 1993 Ludwig Lin, MD. Private Practice, Anesthesia and Critical Care, San Francisco, CA
- 1996 - 1998 John Feng, MD. Medical Director of Bariatric Surgery Services, Sequoia Hospital, Redwood City, CA.
- 1997 - 1999 Ahmad Sheikh, MD. Cardiothoracic Surgeon, private practice, CA
- 1998 Miles Conrad, MD. Associate Clinical Professor of Radiology, UCSF, San Francisco, CA
- 1999 - 2003 Melinda Bass Burnett, University of California San Francisco. Women Medical Students Association Mentoring Program. Department of Neurology, Mayo Clinic, Rochester, MN
- 2000 - 2001 Rebecca Krisman, MD. Private practice anesthesia, Walnut Creek, CA
- 2000 - 2004 Lisa Tibor, MD. Orthopedic surgeon, Kaiser Permanente Bay Area
- 2002 - 2005 Danton Char, MD. Assistant Professor, Department of Anesthesia, Stanford School of Medicine, Palo Alto, CA
- 2004 Paul Afrooz, MD. Plastic surgery resident, University of Pittsburgh,
- 2006 Joseph Tonna, MD. Assistant Professor (Clinical) Department of Surgery, University of Utah, Salt Lake City, UT
- 2007 - 2008 Nate Kofford, MD. Private practice, Park City, UT
- 2007 - 2011 Natalie Mackintosh, MD. Private practice anesthesia, Austin, TX
- 2009 - 2012 Matt Gertsch, MD. Private practice anesthesia, UT (FAER MSARF)
- 2008 - 2012 Elise Mecham, MD. Plastic Surgery Resident, University of Texas Medical Branch, Galveston, TX
- 2009 - 2012 James Lee, MD. Cardiac Anesthesia Fellow, Massachusetts General Hospital

2010	Morgan Brgoch, MD. Plastic Surgery Resident, Penn State, Hershey, PA (FAER MSARF)
2010 - 2012	Nikki Super, MD Surgery Resident, Georgia Regents University, Augusta, GA
2011 - 2013	Brian Ebert, DO. Resident in Anesthesia, Mayo Clinic, Rochester, MN (FAER MSARF)
2012 - 2015	Steven Vanhoy, MD, Resident in Anesthesia, University of Washington (FAER MSARF)
2011 – 2014	Derek Bradley, MD. Anesthesia Resident, San Antonio Uniformed Services Health Education Consortium, San Antonio, TX.
2014 - 2015	Kandice Olson, Medical Student, University of Utah (FAER MSARF)
2016	Maziar Nourian, Medical Student, University of Utah (FAER MSARF)
2016	Ravi Patel, Medical Student, University of Utah (FAER MSARF)
2016 - Present	Khaled Zaza, Medical Student, King Faisal Hospital, Saudi Arabia

### **Medical Student Advisor**

2010 - 2011	Natalie Mackintosh, Private practice anesthesia, Austin, TX
2011 -2012	Sandhya Ravichandran, Private practice anesthesia, Walnut Creek, CA
2017 - 2018	Rebecca Morris, Anesthesia Resident, Stanford, Palo Alto, CA
2014 – 2018	Michele Bamgartner, medical student, University of Utah

### **Masters Student Mentor**

1999 - 2000	Katrin Johanesson, MS. Industry, Sweden.
2013 - 2013	Leigh Snell, BSN, RN, WOCN; Acute Care Nurse Practitioner Program. Thesis advisor; Wound, Ostomy, and Continence Nurse at Ogden Regional Medical Center, Ogden, UT
2019 – Present	Richard Gurgel, MD. Master of Science in Clinical Investigation dissertation committee. Associate Professor of Surgery, University of Utah

### **High School**

2004	Anna Beavis, MD. Assistant Professor, Department of Obstetrics and Gynecology, Johns Hopkins, Baltimore, MD
2006	Rachel Licht, PhD. Associate, Exponent Consulting, Menlo Park, CA.

### **PEER-REVIEWED JOURNAL ARTICLES**

(\*Trainee Author)

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<https://www.ncbi.nlm.nih.gov/labs/bibliography/1VavbS7V4H25O/bibliography/public/>

1. **Hopf HW**, Jensen JA, Hunt TK. (1988). Calculation of Subcutaneous Tissue Blood Flow. *Surgical Forum*, (39), 33-36.
2. Jensen JA, Goodson WH, **Hopf HW**, Hunt TK. (1991). Cigarette smoking decreases tissue oxygen. *Arch Surg*, 126(9), 1131-4. [Cited by 484]
3. Jonsson K, Jensen JA, Goodson WH 3rd, Scheuenstuhl H, West J, **Hopf HW**, Hunt TK. (1991). Tissue oxygenation, anemia, and perfusion in relation to wound healing in surgical patients. *Ann Surg*, 214(5), 605-13. [Cited by 444]
4. **Hopf HW**, Hunt TK. (1992). Does- and if so, to what extent- normovolemic dilutional anemia influence post-operative wound healing? *Chirurgische Gastroenterologie* 8:148-150.

5. **Hopf HW**. (1993). New Pharmacologic Approaches to Postoperative Pain Control. *Audio-Digest Anesthesiology*, 35(9).
6. **Hopf HW**, Hunt TK. (1994). Comparison of Clark electrode and optode for measurement of tissue oxygen tension. *Adv Exp Med Biol*, 345, 841-7.
7. Byl NN, McKenzie AL, West JM, Whitney JD, Hunt TK, **Hopf HW**, Scheuenstuhl H. (1994). Pulsed microamperage stimulation: a controlled study of healing of surgically induced wounds in Yucatan pigs. *Phys Ther*, 74(3), 201-13; discussion 213-8.
8. **Hopf HW**, Weitz S. (1994). Postoperative pain management. *Arch Surg*, 129(2), 128-32. [Cited by 94]
9. Zabel DD\*, **Hopf HW**, Hunt TK. (1995). Transmural gut oxygen gradients in shocked rats resuscitated with heparan. *Arch Surg*, 130(1), 59-63.
10. Kurz A, Sessler DI, Lenhardt R, for the Study of Wound Infection and Temperature Group [**Hopf HW**, et al.] (1996). Perioperative normothermia to reduce the incidence of wound infection and duration of hospitalization. *N Engl J Med*, 334(19), 1209-1215. [Cited by 2581]
11. Drucker W, Pearce F, Glass-Heidenreich L, **Hopf H**, Powell C, Ochsner MG, Frankel H, Murray D, Nelson M, Champion H, Rozycki G, Silva J, Malcolm D, DeNobile J, Harviel D, Rich N, Hunt TK. (1996). Subcutaneous tissue oxygen pressure: a reliable index of peripheral perfusion in humans after injury. *J Trauma*, 40(3 Suppl), S116-22.
12. Zabel DD\*, **Hopf HW**, Hunt TK. (1996). The role of nitric oxide in subcutaneous and transmural gut tissue oxygenation. *Shock*, 5(5), 341-3.
13. Sheffield CW\*, Sessler DI, **Hopf HW**, Schroeder M, Moayeri A, Hunt TK, West JM. (1996). Centrally and locally mediated thermoregulatory responses alter subcutaneous oxygen tension. *Wound Repair Regen*, 4(3), 339-45. [Cited by 121]
14. Knudson MM, Bermudez KM\*, Doyle CA\*, Mackersie RC, **Hopf HW**, Morabito D. (1997). Use of tissue oxygen tension measurements during resuscitation from hemorrhagic shock. *J Trauma*, 42(4), 608-14; discussion 614-6.
15. Allen DB\*, Maguire JJ, Mahdavian M, Wicke C\*, Marcocci L, Scheuenstuhl H, Chang M\*, Le AX\*, **Hopf HW**, Hunt TK. (1997). Wound hypoxia and acidosis limit neutrophil bacterial killing mechanisms. *Arch Surg*, 132(9), 991-6. [Cited by 475]
16. **Hopf HW**, Hunt TK, West JM, Blomquist P, Goodson WH 3rd, Jensen JA, Jonsson K, Paty PB, Rabkin JM, Upton RA, von Smitten K, Whitney JD. (1997). Wound tissue oxygen tension predicts the risk of wound infection in surgical patients. *Arch Surg*, 132(9), 997-1004; discussion 1005. [Cited by 676]
17. Hunt TK, **Hopf HW**. (1997). Wound healing and wound infection. What surgeons and anesthesiologists can do. *Surg Clin North Am*, 77(3), 587-606. [Cited by 264]
18. Sheikh AY\*, Gibson JJ\*, Rollins M\*, **Hopf HW**, Hunt TK. (1998). Increased Oxygen Tension and Wound Fluid VEGF Levels. *Surgical Forum*, (69), 607-610.
19. Ikeda T\*, Tayefeh F, Sessler DI, Kurz A, Plattner O, Petschnigg B, **Hopf HW**, West J. (1998). Local radiant heating increases subcutaneous oxygen tension. *Am J Surg*, 175(1), 33-7. [Cited by 72]
20. Manley GT\*, Pitts LH, Morabito D, Doyle CA, Gibson J, Gimbel M, **Hopf HW**, Knudson MM. (1999). Brain tissue oxygenation during hemorrhagic shock, resuscitation, and alterations in ventilation. *J Trauma*, 46(2), 261-7. [Cited by 76]
21. Lenhardt R\*, **Hopf HW**, Marker E, Akca O, Kurz A, Scheuenstuhl H, Sessler DI. (2000). Perioperative collagen deposition in elderly and young men and women. *Arch Surg*, 135(1), 71-4.
22. Hunt TK, **Hopf H**, Hussain Z. (2000). Physiology of wound healing. *Adv Skin Wound Care*, 13(2 Suppl), 6-11. [Cited by 283]

23. Greif R, Akça O, Horn EP, Kurz A, Sessler DI [**Hopf HW**, et al.] (2000). Supplemental Perioperative Oxygen To Reduce the Incidence of Surgical Wound Infection. *N Engl J Med*, (342), 161-7. [Cited by 1061]
24. Weiskopf RB, Kramer JH, Viele M, Neumann M, Feiner JR, Watson JJ, **Hopf HW**, Toy P. (2000). Acute severe isovolemic anemia impairs cognitive function and memory in humans. *Anesthesiology*, 92(6), 1646-52. [Cited by 261]
25. Plattner O, Akca O, Herbst F, Arkilic CF, Fugger R, Barlan M, Kurz A, **Hopf H**, Werba A, Sessler DI. (2000). The influence of 2 surgical bandage systems on wound tissue oxygen tension. *Arch Surg*, 135(7), 818-22.
26. Leung JM, Weiskopf RB, Feiner J, **Hopf HW**, Kelley S, Viele M, Lieberman J, Watson J, Noorani M, Pastor D, Yeap H, Ho R, Toy P. (2000). Electrocardiographic ST-segment changes during acute, severe isovolemic hemodilution in humans. *Anesthesiology*, 93(4), 1004-10. [Cited by 155]
27. Sheikh AY\*, Gibson JJ\*, Rollins MD\*, **Hopf HW**, Hussain Z, Hunt TK. (2000). Effect of hyperoxia on vascular endothelial growth factor levels in a wound model. *Arch Surg*, 135(11), 1293-7. [Cited by 294]
28. **Hopf HW**, Viele M, Watson JJ, Feiner J, Weiskopf R, Hunt TK, Noorani M, Yeap H, Ho R, Toy P. (2000). Subcutaneous perfusion and oxygen during acute severe isovolemic hemodilution in healthy volunteers. *Arch Surg*, 135(12), 1443-9.
29. **Hopf HW**, Humphrey LM\*, Puzifferri N\*, West JM, Attinger CE, Hunt TK. (2001). Adjuncts to preparing wounds for closure: hyperbaric oxygen, growth factors, skin substitutes, negative pressure wound therapy (vacuum-assisted closure). *Foot Ankle Clin*, 6(4), 661-82. [Cited by 90]
30. Hunt TK, **Hopf H**. (2002). Quantification and stratification: wound research in the future. *International Journal of Lower Extremity Wounds*, 1(1), 68-71.
31. Weiskopf RB, Feiner J, **Hopf HW**, Viele MK, Watson JJ, Kramer JH, Ho R, Toy P. (2002). Oxygen reverses deficits of cognitive function and memory and increased heart rate induced by acute severe isovolemic anemia. *Anesthesiology*, 96(4), 871-7. [Cited by 169]
32. Helbich TH, Roberts TP, Rollins MD\*, Shames DM, Turetschek K, **Hopf HW**, Muhler M, Hunt TK, Brasch RC. (2002). Noninvasive assessment of wound-healing angiogenesis with contrast-enhanced MRI. *Acad Radiol*, 9 Suppl 1, S145-7.
33. Rollins MD\*, Conrad MB\*, Hunt TK, **Hopf HW**. (2003). Accuracy of a polarographic electrode at high oxygen concentrations. *Adv Exp Med Biol*, 510, 169-73.
34. Barbul A, **Hopf HW**. (2003). Healing Responses in Critical Illness. *Crit Care Med*, 31:493-589.
35. **Hopf HW**, Hunt TK, Scheuenstuhl H, West JM, Humphrey LM, Rollins MD. (2003). Methods of measuring oxygen in wounds. *Methods Mol Med*, 78, 389-416.
36. Weiskopf RB, Feiner J, **Hopf H**, Viele MK, Watson JJ, Lieberman J, Kelley S, Toy P. (2003). Heart rate increases linearly in response to acute isovolemic anemia. *Transfusion*, 43(2), 235-40. [Cited by 80]
37. Stotts NA, **Hopf HW**. (2003). The link between tissue oxygen and hydration in nursing home residents with pressure ulcers: preliminary data. *J Wound Ostomy Continence Nurs*, 30(4), 184-90.
38. Weiskopf RB, Aminoff MJ, **Hopf HW**, Feiner J, Viele MK, Watson JJ, Ho R, Songster C, Toy P. (2003). Acute isovolemic anemia does not impair peripheral or central nerve conduction. *Anesthesiology*, 99(3), 546-51.
39. **Hopf HW**. (2003). Development of subcutaneous wound oxygen measurement in humans: contributions of Thomas K Hunt, MD. *Wound Repair Regen*, 11:424-30.

40. **Hopf HW.** (2003). Molecular diagnostics of injury and repair responses in critical illness: what is the future of "monitoring" in the intensive care unit? *Crit Care Med*, 31(8 Suppl), S518-23.
41. Lin LH\*, **Hopf HW.** (2003). Paradigm of the injury-repair continuum during critical illness. *Crit Care Med*, 31(8 Suppl), S493-5.
42. **Hopf HW,** Hunt TK, Scheuenstuhl H, West JM, Humphrey LM, Rollins MD. (2004). Measuring oxygen in wounds. *Methods Enzymol*, 381, 539-64.
43. Swartz HM, Khan N, Buckey J, Comi R, Gould L, Grinberg O, Hartford A, **Hopf H,** Hou H, Hug E, Iwasaki A, Lesniewski P, Salikhov I, Walczak T. (2004). Clinical applications of EPR: overview and perspectives. *NMR Biomed*, 17(5), 335-51. [Cited by 132]
44. Weiskopf RB, Toy P, **Hopf HW,** Feiner J, Finlay HE, Takahashi M, Bostrom A, Songster C, Aminoff MJ. (2005). Acute isovolemic anemia impairs central processing as determined by P300 latency. *Clin Neurophysiol*, 116(5), 1028-32.
45. Sheikh AY\*, Rollins MD\*, **Hopf HW,** Hunt TK. (2005). Hyperoxia improves microvascular perfusion in a murine wound model. *Wound Repair Regen*, 13(3), 303-8.
46. Feldmeier JJ, **Hopf HW,** Warriner RA, Fife CE, Gesell L, Bennett M. (2005). UHMS position statement: topical oxygen for chronic wounds. *Undersea Hyperb Med*, 32(3), 157-68.
47. Stotts NA, **Hopf HW.** (2005). Facilitating positive outcomes in older adults with wounds. *Nurs Clin North Am*, 40(2), 267-79.
48. **Hopf HW,** Gibson JJ\*, Angeles AP\*, Constant JS\*, Feng JJ\*, Rollins MD\*, Zamirul Hussain M, Hunt TK. (2005). Hyperoxia and angiogenesis. *Wound Repair Regen*, 13(6), 558-64. [Cited by 175]
49. Weiskopf RB, Feiner J, **Hopf H,** Lieberman J, Finlay H, Quah C, Kramer JH, Bostrom A, Toy P. (2006). Fresh blood and aged stored blood are equally efficacious in immediately reversing anemia-induced brain oxygenation deficits in humans. *Anesthesiology*, (104), 911-20. [Cited by 153]
50. Rosen NA\*, **Hopf HW,** Hunt TK. (2006). Perflubron Emulsion Increases Subcutaneous Tissue Oxygen Tension in Rats. *Wound Repair Regen*, 14(1), 55-60.
51. Ueno C\*, Hunt TK, **Hopf HW.** (2006). Using Physiology to Improve Surgical Wound Outcomes. *Plast Reconstr Surg* 117:59S-71S. [Cited by 96]
52. Rollins MD\*, Gibson JJ\*, Hunt TK, **Hopf HW.** (2006). Wound oxygen levels during hyperbaric oxygen treatment in healing wounds. *Undersea Hyperb Med*, 33(1), 17-25.
53. **Hopf HW,** Ueno C\*, Aslam R\*, Burnand K, Fife C, Grant L, Holloway A, Iafrazi MD, Mani R, Misare B, Rosen N, Shapshak D, Benjamin Slade J Jr, West J, Barbul A. (2006). Guidelines for the treatment of arterial insufficiency ulcers. *Wound Repair Regen*, 14(6), 693-710. [Cited by 130]
54. Wong VK\*, Stotts NA, **Hopf HW,** Froelicher ES, Dowling GA. (2007). How heel oxygenation changes under pressure. *Wound Repair Regen*, 15(6), 786-94.
55. Fukaya E\*, **Hopf HW.** (2007). HBO and gas embolism. *Neurol Res*, 29(2), 142-5.
56. **Hopf HW,** Rollins MD. (2007). Wounds: an overview of the role of oxygen. *Antioxid Redox Signal*, 9(8), 1183-92. [Cited by 120]
57. Lu C, Rollins M, Hou H, Swartz HM, **Hopf H,** Miclau T, Marcucio RS. (2008). Tibial fracture decreases oxygen levels at the site of injury. *Iowa Orthop J*, 28, 14-21.
58. **Hopf HW,** Ueno C\*, Aslam R\*, Dardik A, Fife C, Grant L, Holloway A, Iafrazi MD, Misare B, Rosen N, Shapshak D, Slade JB Jr, West J, Barbul A. (2008). Guidelines for the prevention of lower extremity arterial ulcers. *Wound Repair Regen*, 16(2), 175-88.
59. **Hopf HW,** Holm J. (2008). Hyperoxia and infection. *Best Pract Res Clin Anaesthesiol*, 22(3), 553-69.
60. Walsh C, Scaife C, **Hopf H.** (2009). Prevention and management of surgical site infections in morbidly obese women. *Obstet Gynecol*, 113(2 Pt 1), 411-5.

61. Fife CE, Smart DR, Sheffield PJ, **Hopf HW**, Hawkins G, Clarke D. Transcutaneous oximetry in clinical practice: consensus statements from an expert panel based on evidence. *Undersea Hyperb Med*. 2009 Jan-Feb;36(1):43-53. [Cited by 126]
62. Gimbel ML\*, Rollins MD\*, Fukaya E\*, **Hopf HW**. Monitoring partial and full venous outflow compromise in a rabbit skin flap model. *Plast Reconstr Surg*. 2009 Sep;124(3):796-803.
63. Stotts NA, Hopf HW, Kayser-Jones J, Chertow GM, Cooper BA, Wu HS. Increased fluid intake does not augment capacity to lay down new collagen in nursing home residents at risk for pressure ulcers: a randomized, controlled clinical trial. *Wound Repair Regen*. 2009 Nov-Dec;17(6):780-8.
64. Liu S, Shah SJ, Wilmes LJ, Feiner J, Kodibagkar VD, Wendland MF, Mason RP, Hylton N, **Hopf HW**, Rollins MD. Quantitative tissue oxygen measurement in multiple organs using (19) F MRI in a rat model. *Magn Reson Med*. 2011 Dec;66(6):1722-30.
65. Feiner JR, Finlay-Morreale HE, Toy P, Lieberman JA, Viele MK, **Hopf HW**, Weiskopf RB. High Oxygen Partial Pressure Decreases Anemia-induced Heart Rate Increase Equivalent to Transfusion. *Anesthesiology*. 2011 Sep;115(3):492-498.
66. Mecham EM\*, **Hopf HW**. A Proposal to Minimize Work Area Contamination during Induction. *Anesthesiology*. 2011 Mar;116(3):712.
67. Wong VK\*, Stotts NA, **Hopf HW**, Dowling GA, Froelicher ES. Changes in heel skin temperature under pressure in hip surgery patients. *Adv Skin Wound Care*. 2011 Dec;24(12):562-70.
68. Mackintosh M\*, Gertsch MC\*, **Hopf HW**, Pace, NL, White J, Morris R\*, Morrissey C\*, Wilding V\*, Herway S\*. High Intraoperative Inspired Oxygen Does Not Increase Postoperative Supplemental Oxygen Requirements. *Anesthesiology*, 2012 Aug;117(2):271-279.
69. Schlitz M, **Hopf HW**, Eskenazi L, Vieten C, Radin D. Distant healing of surgical wounds: an exploratory study. *Explore (NY)*. 2012 Jul;8(4):223-30.
70. Lee JP\*, **Hopf HW**, Cannon-Albright L. Empiric evidence for a genetic contribution to predisposition to surgical site infection. *Wound Rep Regen* 2013 Mar;21(2):211-5.
71. Warriner RA 3rd, **Hopf HW**. The effect of hyperbaric oxygen in the enhancement of healing in selected problem wounds. *Undersea Hyperb Med*. 2012 Sep-Oct;39(5):923-35
72. Gordillo GM, Bernatchez SF, Diegelmann R, Di Pietro LA, Eriksson E, Hinz B, **Hopf HW**, Kirsner R, Liu P, Parnell LK, Sandusky GE, Sen CK, Tomic-Canic M, Volk SW, Baird A. Preclinical Models of Wound Healing: Is Man the Model? Proceedings of the Wound Healing Society Symposium. *Adv Wound Care* 2013 Feb;2(1):1-4.
73. Redshaw JD, Mobley EM, Hopf HW, Lowrance WT, Myers JB, Brant WO. Improved compliance with prophylactic antibiotic guidelines in urologic prosthetic surgery using a simple protocol: Should antimicrobial prophylaxis be administered exclusively in the operating room?. *J Integr Nephrol Androl* 2014; 1:14-19.
74. Federman DG, Ladiiznski B, Dardik A, Kelly M, Shapshak D, Ueno CM, Mostow EN, Richmond NA, **Hopf HW**. Wound Healing Society 2014 update on guidelines for arterial ulcers. *Wound Repair Regen*. 2016 24:127-35. doi: 10.1111/wrr.12395. PMID: 26663663
75. Akca O, Ball L, Belda FJ, Biro P, Cortegiani A, Eden A, Ferrando C, Gattinoni L, Goldik Z, Gregoretto C, Hachenberg T, Hedenstierna G, **Hopf HW**, Hunt TK, Pelosi P, Qadan M, Sessler DI, Soro M, Senturk M. WHO Needs High FiO2? *Turk J Anaesthesiol Reanim*. 2017; 45:181-192. doi: 10.5152/TJAR.2017.250701.
76. Jayathilake C, Maini PK, **Hopf HW**, McElwain S, Byrne HM, Flegg MB, Flegg JA. A mathematical model of the use of supplemental oxygen to combat surgical site infection. *Journal of Theoretical Biology* 2019; 466:11-23. doi: 10.1016/j.jtbi.2019.01.021. PMID: 30659823.

## **BOOK CHAPTERS**

1. Hunt TK, Halliday BJ, **Hopf HW**, Scheuenstuhl H, West JM. (1991). Measurement and control of tissue oxygen tension in surgical patients. In Gutierrez G, Vincent JL (Eds.), *Update in Intensive Care and Emergency Medicine 12: Tissue Oxygen Utilization* (pp. 337-349). Berlin: Springer-Verlag.
2. **Hopf HW**, Hunt TK. (1992). The role of oxygen in wound repair and wound infection. In Esterhai JL, Gristina AG, Poss R (Eds.), *Musculoskeletal Infection* (pp. 329-339). Park Ridge, IL: American Academy of Orthopaedic Surgeons.
3. **Hopf HW**, Hunt TK. (1992). Wound repair and nutrition. In Esterhai JL, Gristina AG, Poss R (Eds.), *Musculoskeletal Infection* (pp. 341-353). Park Ridge, IL: American Academy of Orthopaedic Surgeons.
4. Byl N, **Hopf HW**. (1995). The use of oxygen in wound healing. In McCulloch J (Ed.), *Wound Healing: Alternatives in Management* ((2), pp. 365-404).
5. Hunt TK, **Hopf HW**. (1996). Nutrition in wound healing. In Fischer J (Ed.), *Nutrition and metabolism in the surgical patient, 2nd edition* (pp. 423-441). Little Brown & Co.
6. **Hopf HW**, Mueller R\*, Hunt TK. (1997). Wound Healing. In Cooper G, Dudley H, Gann D, Little R, Maynard RL (Eds.), *Scientific Foundations of Trauma* (pp. 530-550). Oxford: Butterworth-Heinemann.
7. **Hopf HW**. (2000). Role of warming and oxygen tensions in wounds. In Ryan TJ, Cherry GW, Harding KG (Eds.), *Warming and wound healing. International Congress and Symposium Series 257*. London: The Royal Society of Medicine Press Limited.
8. **Hopf HW**, Hunt TK, Scheuenstuhl H, West JM, Humphrey L\*, Rollins MD\*. (2002). Methods of Measuring Oxygen In Wounds. In DiPietro LA, Burns AL (Eds.), *Wound Healing: Methods and Protocols* (pp. 389-416). New Jersey: Humana Press.
9. Rosen N\*, **Hopf HW**, Hunt TK. (2005). Wound Healing and Oxygen. In Falabella A, Kirsner RS (Eds.), *Wound Healing*.
10. Krasner DL, Shapshak D\*, **Hopf HW**. (2006) Managing Wound Pain. In: Bryant RA, Nix DP, eds. *Acute and Chronic Wounds: Current Management Concepts, Third Edition*. St. Louis: Mosby Elsevier.
11. **Hopf HW**, Kelly M\*, Shapshak D\*. (2008). Oxygen and the Basic Mechanisms of Wound Healing. In Neuman TS and Thom SR (Ed.), *Physiology and Medicine of Hyperbaric Oxygen Therapy* (pp. 203-228). Philadelphia: Saunders Elsevier.
12. **Hopf HW**, Chapman CR, Cochran A, Dorrough MB, Dull RO. (2009). Inflammation, Wound Healing, and Infection. In Barash P, Cullen B, Stoelting R, Cahalan M, Stock C. (Eds.), *Clinical Anesthesia* (6). Lippincott Williams & Wilkins.
13. **Hopf HW**, Shapshak, D, Junkins S. (2010) Managing Wound Pain. In: Bryant RA, Nix DP, eds. *Acute and Chronic Wounds: Current Management Concepts, Fourth Edition*. St. Louis: Mosby Elsevier. [AJN 2011 Book of the Year, Medical-Surgical Nursing category].
14. **Hopf HW**, Chapman CR, Cochran A, Dorrough MB, Dull RO. (2012) Inflammation, Wound Healing, and Infection. In Barash P, Cullen B, Stoelting R, Cahalan M, Stock C. (Eds.), *Clinical Anesthesia* (7). Lippincott Williams & Wilkins.
15. **Hopf HW**. (2013) Where and How Does the Anesthetic Process Help or Hurt Patients Independent of Producing Anesthesia? In Eger, Saidman, and Westhorpe (Eds), *Complete History of Anesthesia*. Springer Science and Business Media New York.
16. **Hopf HW**, Shapshak, D, Junkins S, O'Neill D. (2015) Managing Wound Pain. In: Bryant RA, Nix DP, eds. *Acute and Chronic Wounds: Current Management Concepts, Fifth Edition*. St. Louis: Mosby Elsevier.
17. **Hopf HW**, Cochran A, Ueno C, Morrissey C. (2017) Inflammation, Wound Healing, and Infection. In Barash P, Cullen B, Stoelting R, Cahalan M, Stock C. (Eds.), *Clinical Anesthesia* (8). Lippincott Williams & Wilkins.



18. Zaza KJ\*, **Hopf HW**. (2019) Thermoregulation: Normal Physiology, Anesthetic Effects, and Perioperative Considerations. In: Hemmings HC, Egan TD. (Eds), *Pharmacology and Physiology for Anesthesia*, 2<sup>nd</sup> ed. Elsevier.
19. Zaza KJ\*, **Hopf HW**. (2019) Infection, Antimicrobial Drugs, & Anesthesia. In: Hemmings HC, Egan TD (Eds), *Pharmacology & Physiology for Anesthesia*, 2nd ed. Elsevier.
20. **Hopf HW**. (2019) Ethics in Anesthesiology Practice. In: Marcucci C, Cohen NA, Metro DG, Kirsch JR (Eds), *Avoiding Common Anesthesia Errors*, 2<sup>nd</sup> ed. Lippincott Williams & Wilkins.
21. **Hopf HW**, Ibinson, JW, Metro DG. (2019) Hand Hygiene! History, Human Factors, and Helping Your Patients. In: Marcucci C, Cohen NA, Metro DG, Kirsch JR (Eds), *Avoiding Common Anesthesia Errors*, 2<sup>nd</sup> ed. Lippincott Williams & Wilkins.

## **EDITORIALS**

1. **Hopf HW**. (2007). Is it time to retire high-concentration nitrous oxide? *Anesthesiology*, 107(2), 200-1.
2. **Hopf HW**, Rollins MD (2009). Reducing perioperative infection is as simple as washing your hands. *Anesthesiology*, 110(5), 959-60.
3. Hunt TK, **Hopf HW**. High inspired oxygen fraction and surgical site infection. *JAMA*. 2009 Oct 14;302(14):1588-9.
4. Fife CE, **Hopf H**. Discussion. Hyperbaric oxygen: its mechanisms and efficacy. *Plast Reconstr Surg*. 2011 Jan;127 Suppl 1:142S-143S.
5. **Hopf HW**, Hunt TK. Adrian Barbul, MD: 2012 Recipient of the Wound Healing Society's Lifetime Achievement Award. *Wound Repair Regen*. 2012 Sep-Oct;20(5):617.
6. **Hopf HW**, Gordillo, G. Intraoperative Management and Pressure Ulcers: Not Where the Problem Lies? *Crit Care Med*, 2014 Jan;42(1):199-200.
7. **Hopf HW**. Bacterial Reservoirs in the Operating Room. *Anesth Analg* (2015) 120(4):700-2.
8. **Hopf, HW**. Perioperative Temperature Management: Time for a New Standard of Care? *Anesthesiology* (2015) 122(2):229-30. [Altmetric 69]
9. **Hopf, HW**. Preventing Opioid-Induced Postoperative Hypoxemia: No Simple Answer? *Anesth Analg* (2016) 123:1356-1358
10. Leslie K, **Hopf HW**, Houston P, O'Sullivan E. Women, Minorities and Leadership in Anesthesiology: Take the pledge. *Anesth Analg* (2017) 124:1394-1396. [Altmetric 58]
11. Sherman JD, **Hopf HW**, Balancing Infection Control and Environmental Protection as a Matter of Patient Safety: The Case of Laryngoscope Handles. *Anesth Analg* (2018), 127:576-579.
12. **Hopf HW**, Morrissey C. Perioperative Fluid Management: Turning Art to Science. *Anesthesiology* (2019), in press.

## **LETTERS**

1. **Hopf HW**, Sessler DI. (September 1994). Routine Postoperative Oxygen Supplementation [Letter to the editor]. *Anesth Analg*, 79(3), 615-616.
2. **Hopf HW**. (2002). God Only Knows When This Controversy Will End [Letter to the editor]. *ASA Newsletter*, 66(8), 36.
3. **Hopf HW**, Hunt TK, Rosen N. (2004). Supplemental oxygen and risk of surgical site infection [Letter to the editor]. *JAMA*, 291(16), 1956.
4. Hunt TK, **Hopf HW**. Selection of bundle component. *Arch Surg*. 2011 Oct;146(10):1220-1
5. In reply. Gertsch MC, Mackintosh N, **Hopf HW**. *Anesthesiology*. 2013 Mar;118(3):756-7.
6. Linden R, Ledez K, **Hopf H**, Fife C. Topical oxygen therapy is not hyperbaric therapy and the two treatments should not be confused. *Int Wound J*. 2014; 11(2):230-1.

7. Barbul A, **Hopf HW**, Sherman J, Hunt TK. Need for outcomes data in pain studies. J Am Coll Surg. (2015) 220(3):374.

#### **VIDEO/FILM/CD/WEB/RESOURCES**

1. **Hopf HW**. New Pharmacologic Approaches to Postoperative Pain Control. Audio-Digest Anesthesiology 35(9), 1993.
2. Feiner J, **Hopf HW**. (2003). Anemia [Web]. NY: The Manual of Anesthesia Practice. Available: PocketMedicine.com.
3. **Hopf HW**. (2006). Optimizing Wound Healing. Audio-Digest Obstetrics/Gynecology [Audio].
4. **Hopf HW**. (October 28, 2013). Fighting Infection in the OR. The Scope: University of Utah Health Sciences Radio. <http://healthcare.utah.edu/the-scope/search.php?text=hopf>
5. **Hopf HW**. (January 7, 2014). Chronic Pain – What is it and What Can Be Done About It? An Interview with Jill Sindt, MD. The Scope: University of Utah Health Sciences Radio. [http://healthcare.utah.edu/the-scope/shows.php?shows=0\\_suujmcco](http://healthcare.utah.edu/the-scope/shows.php?shows=0_suujmcco)
6. **Hopf HW**. (January 24, 2014). Cancer Pain Treatment: An interview with Jill Sindt, MD. The Scope: University of Utah Health Sciences Radio. [http://healthcare.utah.edu/the-scope/shows.php?shows=0\\_nwjyyj15](http://healthcare.utah.edu/the-scope/shows.php?shows=0_nwjyyj15)
7. **Hopf HW**. (June 5, 2014). Understanding More than the Patient's Illness: An interview with Gretchen Case, MA, PhD. The Scope: University of Utah Health Sciences Radio. [http://healthcare.utah.edu/the-scope/shows.php?shows=0\\_2wuosa2w](http://healthcare.utah.edu/the-scope/shows.php?shows=0_2wuosa2w)
8. **Hopf HW**. Patient Pre-warming to Prevent Perioperative Hypothermia CME/CE program. <http://www.medscape.org/viewarticle/841283>
9. **Hopf HW**. (2016): Interview on FanUp initiative, KSL radio. <https://audioboom.com/boos/5031414-welcome-to-rice-eccles-stadium-this-weekend-will-be-a-whole-new-fan-up-experience-at-the-utah-byu-game>
10. **Hopf HW**, Liu H. (2017) Resources and Tips to Leverage the Impact of your Faculty Affairs Office on Twitter <https://www.aamc.org/download/482540/data/resources-tips-faculty-affairs-office-twitter.pdf>

#### **NEWSLETTERS**

1. **Hopf HW**. (2011) Why I Give My Time and Money to FAER. 75(10):56-57.
2. **Hopf HW**, Diegelmann, B. (2012) Blast from the Past. Wound Healing Society Newsletter, 3(2):9.
3. **Hopf HW**. (2013) Blast from the Past: 1997 Annual Meeting. Wound Healing Society Newsletter, 4(3):16, 2013.
4. **Hopf HW**. (2014) Mentorship and Sponsorship: Helping Define and Navigate a Successful Career. ASA Newsletter 78(1):60-62.
5. **Hopf HW**. (2014) Blast from the Past: 1998 Annual Meeting. Wound Healing Society Newsletter, 5(1):5, 2014.
6. **Hopf HW**. (2015) Blast from the Past: 1999 Annual Meeting. Wound Healing Society Newsletter, 6(1):6, 2015.
7. Warrier S, **Hopf HW**. (2018) Reusable vs. Disposable equipment: Procurement Considerations. ASA Monitor 82:22-24.

#### **PENDING PUBLICATIONS**

1. Axelrod DA, Bradley D\*, **Hopf HW**, Choudhary KJH, Adamson, KA, Baird PW, McKenna Q, Stuart AR, Cahalan C. Transition from Desflurane to Isoflurane Use: Impact on Cost, Greenhouse Gas Production, and Wake-Up Time. Under revision for Anesthesiology.

2. **Hopf HW** and Stark LA (co-first authors), Byington CL, Hobson-Rohrer WL, Lee VS, and the University of Utah School of Medicine RPT Statements Revision Committee. Defining Fundamental and Variable Components of Faculty Professional Activity for Appointment, Review, and Advancement at a School of Medicine. Under revision for Academic Medicine.
3. Farrell TW, Case G, Cantarini S, Holsti M, **Hopf HW**, Iwasa J, Keefe K. Tuning the Mentoring Soundboard: Considerations for Providing Feedback. Submitted to Academic Medicine.

## **PRESENTATIONS**

### **Keynote/Plenary Lectures**

#### **International**

- |      |                                                                                                                                                                                         |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1999 | "Provisional Guidelines for Chronic Wound Care: Arterial Ischemic Ulcers". Joint Annual Meeting, Wound Healing Society and Wound, Ostomy, and Continence Nurses Society Minneapolis, MN |
| 1999 | "Critical Illness and The Healing Wound". Society of Critical Care Medicine 28th Educational & Scientific Symposium San Francisco, CA                                                   |
| 2000 | "Practical Guidelines for Arterial Ulcer Care". Wound Healing Society and Wound, Ostomy, and Continence Nurses Society Annual Meeting Toronto, Ontario, Canada                          |
| 2002 | "Point-Counterpoint: HBO does not contribute to clinical wound healing (con)". Wound Healing Society Annual Meeting, Baltimore, MD                                                      |
| 2002 | "Oxygen, Infection, and Wound Healing". Wound Healing, Oxygen and Emerging Therapeutics, Columbus, OH                                                                                   |
| 2003 | "Measuring Oxygen in Human Wounds". Scientific Symposium Honoring Thomas K. Hunt, MD San Francisco, CA                                                                                  |
| 2004 | "The Potential Value of in vivo EPR for Measurements in Anesthesia". International Workshop on in vivo EPR, Dartmouth Medical School, Hanover, NH                                       |
| 2005 | "Measurement of Organ Tissue Oxygen Levels During Hyperoxia Using Electron Spin Resonance". Electron Paramagnetic Resonance. Columbus, OH                                               |
| 2005 | "Molecular Diagnosis of Injury and Repair Responses in Critical Illness". Society of Critical Care Medicine Annual Meeting, Phoenix, AZ                                                 |
| 2006 | "Hyperbaric Medicine: an Overview." Wound Healing Society Annual Meeting, Phoenix, AZ                                                                                                   |
| 2006 | "Arterial Insufficiency Ulcers Guidelines." Wound Healing Society Annual Meeting, Phoenix, AZ                                                                                           |
| 2012 | "Do You Want a Mentor or A Sponsor? And What's the Difference Anyway?" Meet the Mentors Workshop, WHS Annual Meeting, Atlanta, GA                                                       |

#### **National**

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|------|---------------------------------------------------------------------------------------------------------------------------------|
| 1994 | "New Pharmacologic Agents in the Treatment of Postoperative Pain". The Changing Practice of Anesthesia, UCSF, San Francisco, CA |
| 1994 | "Ketorolac for Postoperative Pain Relief". The Changing Practice of Anesthesia, UCSF, San Francisco, CA                         |
| 1996 | "Oxygen and Wound Healing". Winter Symposium on Baromedicine, Snowbird, UT                                                      |
| 1997 | "Oxygen and Infection". Dow Hickam Pharmaceuticals Fellowship Award Symposium, Berkeley, CA                                     |
| 1998 | "Principles of Wound Healing". Society for Cardiovascular & Interventional Radiology Annual Meeting, San Francisco, CA          |

- 1999 "Practical Pain Management In Patients With Wounds". Symposium On Advanced Wound Care Management Anaheim, CA
- 1999 "What the Practitioner Can Do To Improve Wound Outcomes". Changing Practice of Anesthesia, UCSF UCSF, San Francisco, CA
- 2000 "Hyperbaric Oxygen and Wound Healing". Pacific Coast Chapter UHMS Annual Scientific Meeting San Francisco, CA
- 2001 Oxygen and Wound Healing Symposium on Advanced Wound Care Las Vegas, NV
- 2002 "Overcoming Obstacles to Oxygen Delivery in Wounds". Symposium on Advanced Wound Care Baltimore, MD
- 2003 "Wound Healing and Oxygen". American Academy of Dermatology Annual Meeting, San Francisco, CA
- 2003 "Wound Healing and Oxygen". Symposium on Advanced Wound Care, Las Vegas, NV
- 2004 "Wound Healing: Can We Help?". Epidural Analgesia and Maternal Temperature Obstetrical Anesthesia 2004, San Francisco, CA
- 2004 "New Approaches to Difficult Wound Healing Challenges: Heat and Oxygen". American Society of Plastic Surgeons, Philadelphia, PA
- 2004 "Soft Tissue Radionecrosis II: Bladder, Rectum, Colon Chronic Refractory Osteomyelitis". Hyperbaric Medicine 2004, Columbia, SC
- 2005 "Optimizing Wound Healing". Antepartum and Intrapartum Management 2005, San Francisco, CA
- 2005 "Wound Healing and Oxygen Iatrogenic Gas Embolism: Diagnosis and Treatment" Winter Symposium on Hyperbaric Medicine and Wound Management Breckenridge, CO
- 2005 "Oxygen and Wound Healing Panel. Wound Healing: What Works and What Doesn't" American College of Surgeons Annual Meeting San Francisco, CA
- 2006 "Update on Oxygen and Wound Healing". Wound Care in the 21st Century: Genomics and Wound Healing Winter Symposium on Hyperbaric Medicine and Wound Management Copper Mountain, CO
- 2006 "Introduction to Arterial Ulcers Guidelines". Wound Healing Society Guidelines Consensus Conference NIH, Bethesda, MD
- 2006 "Is There Value in Sea Level Oxygen?". Symposium on Advanced Wound Care, San Antonio, TX
- 2006 "Wound Care Advances for the Coming Decade." Hyperbaric Medicine 2006, Columbia, SC
- 2006 "Comprehensive Wound Healing Center." Hyperbaric Medicine 2006, Columbia, SC
- 2010 "Advances in Hyperbaric Medicine: Wound Healing Mechanisms." Hyperbaric Medicine 2010, Columbia, SC
- 2011 "Managing Mentoring Relationships." 50 Years of Women at Dartmouth Medical School: Stories of Yesterday, Conversations on our Future. Dartmouth Medical School, Hanover, NH
- 2014 "Personalized Medicine: What Does the HBO/WC Practitioner Need to Know?" Winter Symposium on Hyperbaric Medicine, Breckenridge, CO.
- 2014 "Common Mechanisms for the Effectiveness of Hyperbaric Oxygen." Winter Symposium on Hyperbaric Medicine, Breckenridge, CO.
- 2014 "Clinical Cases." Winter Symposium on Hyperbaric Medicine, Breckenridge, CO.

- 2014 "Optimizing Pain in Chronic Wounds." Winter Symposium on Hyperbaric Medicine, Breckenridge, CO.
- 2016 "Wound Management: Beyond Wet to Dry." Winter Symposium on Hyperbaric Medicine, Snowbird, UT.

Local/Regional

- 1996 "Treatment of Hypoxic Non-Healing Lower Extremity Ulcers". Undersea and Hyperbaric Medical Society, Pacific Chapter Annual Meeting, San Francisco, CA
- 2000 "It's Not What You Think: Anesthesia Influence on Surgical Outcomes". 14th Annual Kaiser Permanente Anesthesia Symposium, San Francisco, CA
- 2001 "Obstacles to Wound Repair". Basics of Wound Care Symposium, Wound Healing Society Annual Meeting, Albuquerque, NM
- 2002 "Venous Insufficiency Ulcers and Cellulitis". UCSF Department of Nursing Annual Skin and Wound Class, San Francisco, CA
- 2002 "Pain Management: The Basics of Wound Care Symposium". Wound Healing Society Annual Meeting, Baltimore, MD
- 2003 "Tissue Perfusion and Oxygenation". California Surgical Site Infection Prevention Collaborative, Sacramento, CA
- 2003 "Adjuncts in Wound Care: Creating the Proper Environment". Basics of Wound Care Symposium, WHS Annual Meeting, Seattle, WA
- 2003 "Tissue Perfusion, Oxygenation, and Surgical Site Infection". Orange County Association for Professionals in Infection Control, Santa Ana, CA
- 2003 "Engaging the Hospital's Anesthesiologists in Decreasing Surgical Site Infections". California Surgical Site Infection Prevention Collaborative, Sacramento, CA
- 2003 "Optimizing Tissue Perfusion and Oxygenation: Nuts and Bolts". California Surgical Site Infection Prevention Collaborative, Sacramento, CA
- 2004 "Report of SIP Guidelines Work Group Optimizing Tissue Perfusion and Oxygenation." California Surgical Site Infection Prevention Collaborative, Sacramento, CA
- 2004 "Tissue Perfusion". Lumetra Fast Track to Quality Workshop, Pasadena, CA
- 2004 "The Prevention of Surgical Site Infections and Ventilator Associated Pneumonia". Surgical Care Improvement Collaborative Learning Session 1, Newport Beach, CA
- 2004 "SIP Collaborative Experience". Lumetra Hospital Advisory Group, San Francisco, CA
- 2011 "Mentoring Workshop" Dartmouth Medical School: 50 Years of Women at DMS Opening Celebration, Hanover, NH
- 2012 "Mentors and Sponsors: How to Find Them and Keep Them." North Carolina State ADVANCE Statewide Conference: Advancing Strategic Partnerships: Women and Minorities in STEM, Raleigh, NC (also conference co-organizer)
- 2014 "Education: A Pathway for Career Advancement." Academy of Health Sciences Educators Education Symposium, University of Utah
- 2014 "Staying on the Faculty Track: Navigating Career and Life in Academia." College of Nursing, University of Utah, Salt Lake City, UT

**Meeting Presentations (Not Published Abstracts and Not Unpublished Posters)**

International

- 1997 "Discussant: Local Anesthesia/Pain Session". International Anesthesia Research Society Annual Meeting, San Francisco, CA
- 2011 "Use of a Newsletter to Facilitate Communication and Increase Participation and Sense of Belonging in WiMS." Hopf HW, Allie JL, DeMar K. GWIMS Poster Session, Association of American Medical Colleges Annual Meeting, Denver, CO
- 2012 "Re-Thinking the Structure of Tenure: A Case Analysis of the Adoption of a Part-Time Tenure Policy" Allie JL, Hopf HW, Olson S. GWIMS Poster Session, Association of American Medical Colleges Annual Meeting, San Francisco, CA
- 2012 "Using a Liberating Structure to Identify Avenues to Inclusion." Rao SN\*, Ahmad S\*, Kratochvil H\*, Woodbury K\*, Hopf HW. GWIMS Poster Session, Association of American Medical Colleges Annual Meeting, San Francisco, CA
- 2014 Hopf HW, Byington CL. Engaging School of Medicine Faculty in the Revision of Promotion and Tenure Criteria. Poster Session, Association of American Medical Colleges Annual Meeting, Chicago, IL
- 2014 Akimseu P, Hopf H, Cundey J, Garvin J, Mauger J, Peacock P. Poster Session, Streamlining the SOM Appointment Process. Group on Faculty Affairs Annual Professional Development Conference, Boston, MA

**Invited / Visiting Professor Presentations**

International

- 1998 "Tissue Healing & Immune Enhancement: Researching the Health Actions of Advanced Meditation." Tibet House New York and Beth Israel Healthcare Systems Institute of Neurology & Neurosurgery, New York, NY
- 1999 "The Role of Warming and Oxygen Tension In Wounds". A Symposium on Thermoregulation In Wound Care, St. Anne's College and Green College, University of Oxford England, United Kingdom
- 2001 "Is There a Role for Local Warming in the Treatment of Arterial Insufficiency Ulcers?" Symposium on Wound Healing and Thermoregulation Freiburg, Germany
- 2010 "Pharmaceutical Waste and Anesthesia." American Society of Anesthesiologists Annual Meeting, San Diego, CA
- 2011 "Pharmaceutical Waste and Anesthesia- Management Strategies." American Society of Anesthesiologists Annual Meeting, Chicago, IL
- 2012 "Green Practice And Infection Control: Is Green Patient Safety A Reality?" American Society of Anesthesiologists Annual Meeting, Washington, DC.
- 2012 "Personalized Medicine: What Does That Mean for Wound Healing?" World Union of Wound Healing Societies Meeting, Yokohama, Japan
- 2012 "Surgical Site Infection Prevention: What is the Evidence?" European Tissue Repair Society Annual Meeting, Athens, Greece
- 2013 "Prefilled Syringes - Are They Worth It?" American Society of Anesthesiologists Annual Meeting, San Diego, CA.
- 2013 "Intravenous Anesthetics, Anesthetic Pharmacology: Planning for Recycling and Reuse." American Society of Anesthesiologists Annual Meeting, Washington, DC.

- 2014 "Effective Preparation and Contamination Minimization." American Society of Anesthesiologists Annual Meeting, New Orleans, LA.
- 2015 Ebola, MRSA, and Prions, Oh My! Equipment, Supplies and Trash. American Society of Anesthesiologists Annual Meeting, San Diego, CA.
- 2017 "Anesthesia and Wound Healing." Symposium on Advanced Wound Care, San Diego, CA.
- 2017 Anesthesiology Education Research: How to Design, Support, and Publish Your Educational Research Projects. FAER Research and Education Mentors Academy Panel, American Society of Anesthesiologists Annual Meeting, Boston, MA.
- 2017 MRSA, and Prions, and Trash, Oh, My! Equipment, Supplies and Infection Control. American Society of Anesthesiologists Annual Meeting, Boston, MA.
- 2018 Balancing Sustainability and Infection Control. Workshop on Environmental Sustainability in Clinical Care, New Haven, CT.

National

- 1992 "Mechanisms of Wound Repair". Workshop on Musculoskeletal Infection, Dallas, TX
- 1992 "The Effect of Perioperative Clonidine on Wound Healing". Transdermal Clonidine: A Forum for Current Findings, Laguna Niguel, CA
- 1998 "Wound Healing and Oxygen". Wound Management & Hyperbaric Therapy Conference  
Western Medical Center, Santa Ana, CA
- 1998 "Wound Management and Hyperbaric Therapy". University of Pennsylvania Medical Center and School of Medicine Philadelphia, PA
- 1998 "General Principles of Wound Care". University of Pennsylvania Medical Center and School of Medicine Philadelphia, PA
- 1998 "Assessment and Treatment of Wound Hypoxia". University of Pennsylvania Medical Center and School of Medicine Philadelphia, PA
- 1998 "Chronic Wounds". University of Pennsylvania Medical Center and School of Medicine Philadelphia, PA
- 1998 "Normal Wound Healing". University of Pennsylvania Medical Center and School of Medicine Philadelphia, PA
- 1998 "The Role of Oxygen in Wound Healing". University of Pennsylvania Medical Center and School of Medicine Philadelphia, PA
- 2011 Organization of Student Representatives Breakout: Creating a Career in Academic Medicine. Panelist. Association of American Medical Colleges Annual Meeting, Denver, CO
- 2011 "Best Practices for Treatment and Prevention of Arterial Ulcers." Hyperbaric Technicians & Nurses Association (HTNA) Conference, Sydney, Australia
- 2011 "Wound Healing and Oxygen." Hyperbaric Technicians & Nurses Association (HTNA) Conference, Sydney, Australia
- 2012 Sakai T, Hopf HW, Metro DG, Emerick TD. "How to Improve Resident Scholarly Activity in Your Department" Workshop at the Society for Education in Anesthesia 27th Annual Meeting, Milwaukee, WI
- 2012 "Common Mechanisms for the Effectiveness of Hyperbaric Oxygen." 4<sup>th</sup> Annual T2C Wound Care Conference, Columbus, OH.
- 2013 Sakai T, Hopf HW, Beaman, S, Emerick TD. "How to Improve Resident Scholarly Activity in Your Department" Workshop at the Society for Education in Anesthesia 28th Annual Meeting, Salt Lake City, Utah

- 2013 "Empiric Evidence for a Genetic Contribution to Predisposition to Surgical Site Infection." Collaborative Research Forum, Phoenix, AZ.
- 2014 "Have Faculty Tracks Gone Off the Tracks?" Group on Faculty Affairs Professional Development Conference, Boston, MA.
- 2014 "Compensation and Tenure: Flexibility in a Traditional Environment." Panel. Association of American Medical Colleges Annual Meeting, Chicago, IL.
- 2015 "SCIP: Don't Throw Out the Baby With the Bathwater." University of Utah 60th Annual Update in Anesthesiology, Park City, UT.
- 2015 "Pollution vs. Infection Prevention: How Much Trash Do We Need?" CleanMed 2015, Portland, OR.
- 2016 "Perioperative Temperature Management: Time for a New Standard of Care?" University of Utah 60th Annual Update in Anesthesiology, Park City, UT.
- 2017 "Environmental Impact of Anesthesia." University of Utah 61st Annual Update in Anesthesiology, Park City, UT.
- 2017 "The Wound Microenvironment: Acute versus Chronic." Wound, Ostomy and Continence Nurses Society Annual Conference, Salt Lake City, UT
- 2017 "Diversity in Leadership: Leaning Together." Women in Anesthesiology Annual Conference Keynote Address. Boston, MA

Local/Regional

- 1992 "Wound Healing and Oxygen". Podiatry Department, Stanford University, Palo Alto, CA
- 1992 "A Young Woman Doctor's Perspective on a Medical Career". Women and Science, Wake Forest University, Winston-Salem, NC
- 1997 "Tissue Oxygenation as a Measure of Resuscitation in Trauma Patients". Selected Topics in Intensive Respiratory Care, SFGH, San Francisco, CA
- 1998 "Wound Healing and Oxygen". Comprehensive Wound Healing Center Open House, Mercy Wellness Center, Philadelphia, PA
- 2000 Visiting Professor, Department of Anesthesia, Washington University St. Louis, MO
- 2001 "Hyperbaric Oxygen and Wound Healing". Symposium on Wound Care and Hyperbaric Oxygen, London, England
- 2002 "Measurement of Tissue Oxygen in vivo". Conference on Right-shifted Red Cells, Maxcyte, Inc., Gaithersburg, MD
- 2002 "The Use of Warm-Up in Wound Care: Creating a Proper Environment". San Francisco-San Mateo County Podiatric Medical Society
- 2002 "New Advances in Wound Care: Creating the Proper Environment". Wound Care 2002: Advances and Technology, Stanford Center for Education, Palo Alto, CA
- 2004 "Wound Management: Preventing Complications and Optimizing Healing". Department of Obstetrics and Gynecology Santa Clara Valley Medical Center, Santa Clara, CA
- 2004 "Current Concepts in Wound Healing". UCSF Department of Physical Therapy Doctoral Colloquium, San Francisco, CA
- 2005 "Wound Care: The Basics and a Little Bit More". Saint Francis Memorial Hospital Women Physicians Group, San Francisco, CA
- 2007 "Who Gets What Out of Mentoring?" Mentoring for U Workshop, University of Utah, Salt Lake City, UT



- 2007-2017 Annual Lecture: "Mentoring." Master of Science in Clinical Investigation program, University of Utah, Salt Lake City, UT
- 2009 "Setting the Women in Medicine and Science Agenda." WiMS Tools for Success Seminar Series, University of Utah, Salt Lake City, UT
- 2010 "Mentoring." American Medical Women's Association seminar, University of Utah, Salt Lake City, UT
- 2010 "Leadership Skills: Where Do I Go From Here?" Transition to Practice Series, Department of Psychiatry, University of Utah, Salt Lake City, UT
- 2010 "Promotion and Mentoring: What Can the Office of Faculty Administration Do For You?" Faculty Meeting, Department of Psychiatry, University of Utah, Salt Lake City, UT
- 2010 "Aspire." University of Utah Pre-Medical Conference, Salt Lake City, UT
- 2010 "PowerPoint Presentations." Department of Pediatrics Fellows Conference, University of Utah, Salt Lake City, UT
- 2010 "Changing the Face of Medicine: Across Generations, Across Disciplines." Panel Moderator. Eccles Health Sciences Library Changing Faces of Medicine National Library of Medicine Exhibit.
- 2012 "Mentors and Sponsors: How to Find Them and Keep Them." Department of Pediatrics Career Day, University of Utah, Salt Lake City, UT
- 2013 "PowerPoint Presentations." Department of Pediatrics Fellows Conference, University of Utah, Salt Lake City, UT
- 2013 Creative Solutions: Shaping a Woman's Place in the World, Honors College Panel, University of Utah, Salt Lake City, UT
- 2013 Panel for Premedical Students, Westminster College Honors Program, Salt Lake City Utah
- 2014 "PowerPoint Presentations." Department of Pediatrics Fellows Conference, University of Utah, Salt Lake City, UT
- 2014 "Understanding the New Faculty Review and Advancement Criteria." Department of Pediatrics Fellows Conference, University of Utah, Salt Lake City, UT
- 2015 "Understanding the New Faculty Review and Advancement Criteria." Department of Pediatrics Fellows Conference, University of Utah, Salt Lake City, UT
- 2015 "Creating an Effective Presentation." Department of Pediatrics Fellows Conference, University of Utah, Salt Lake City, UT
- 2016 "Understanding the New Faculty Review and Advancement Criteria." Department of Pediatrics Fellows Conference, University of Utah, Salt Lake City, UT
- 2016 "Creating an Effective Presentation." Department of Pediatrics Fellows Conference, University of Utah, Salt Lake City, UT
- 2017 "Creating an Effective Presentation." Department of Pediatrics Fellows Conference, University of Utah, Salt Lake City, UT
- 2018 "Creating an Effective Presentation." Department of Pediatrics Fellows Conference, University of Utah, Salt Lake City, UT
- 2018 "Developing Your Mentoring Team." Department of Pediatrics Fellows Conference, University of Utah, Salt Lake City, UT

Visiting Professor

2000 Washington University, Department of Anesthesia, St. Louis, MO

2004	Dartmouth Medical School, Department of Anesthesia, Lebanon, NH
2006	University of Pennsylvania, Department of Anesthesia, Philadelphia, PA
2009	Stony Brook University, Department of Anesthesia, Stony Brook, NY
2011	NYU School of Medicine, Department of Anesthesia, New York, NY
2012	Hackensack University Medical Center, Department of Surgery, Hackensack, NJ
2013	Yale University, Department of Anesthesia, New Haven, CT
2014	Boston University, Departments of Anesthesia and Surgery, Boston, MA
2016	University of New Mexico, Department of Anesthesiology, Albuquerque, NM

#### Grand Rounds Presentations

1994	Anesthesia and Wound Healing Resident Lecture, Royal Melbourne Hospital, Melbourne, Australia
1994	Wound Healing and Nutrition Department of Pediatric Gastroenterology Hepatology and Nutrition UCSF, San Francisco, CA
1994	Wound Healing and Tissue Oxygenation Grand Rounds, Mills Hospital, San Mateo, CA
1996	Wound Healing and Oxygen SFGH Surgery/Anesthesia Research Conference, San Francisco, CA
1997	Diabetic Foot Ulcers: New Approaches to Treatment Grand Rounds, Akron General Hospital, Akron, OH
1997	Hyperbaric Oxygen in the Treatment of the Traumatic Wound; Pain Management in the Trauma Patient. Trauma, The Challenge. Washoe Medical Center Reno, NV
1997	Tissue Oxygenation as a Measure of Resuscitation in Trauma Patients SFGH Anesthesia/Surgery Trauma Dinner, San Francisco, CA
1997	Treatment of Non-Healing Wounds Neurosciences Grand Rounds Santa Clara Valley Medical Center, San Jose, CA
1998	Chronic Wounds Grand Rounds, University of California, Davis-East Bay, Department of Surgery, Oakland, CA
1998	Pressure Ulcers St. Helena Hospital Community Hospital Outreach Program, UCSF Clinical Conference Deer Park, CA
2001	Current Concepts in Pain Management Grand Rounds, UCSF-East Bay Department of Surgery Oakland, CA
2001	Wound Healing and Oxygen UCSF Department of Surgery Grand Rounds, San Francisco, CA
2002	Can Anesthetic Technique Promote Wound Healing? Grand Rounds, Department of Anesthesia Hospital for Special Surgery, New York, NY
2003	Oxygen and Wound Healing Grand Rounds, UCSF Department of Obstetrics, Gynecology and Reproductive Sciences, San Francisco, CA
2004	Body Heat UCSF Department of Surgery Grand Rounds, San Francisco, CA
2004	Management of Wound Infections Grand Rounds, UCSF Department of Obstetrics, Gynecology, and Reproductive Services, San Francisco, CA
2005	"Wound Management: Preventing Complications and Optimizing Healing". Department of Obstetrics and Gynecology, El Camino Hospital, Mountain View, CA
2005	Basic Wound Care: Creating the Proper Environment Grand Rounds, St. Mary's Medical Center San Francisco, CA
2005	Best Practices in Surgical Site Infection Prevention Grand Rounds, Dominican Hospital Santa Cruz, CA

- 2005 Best Practices in Surgical Site Infection Prevention Grand Rounds,  
Watsonville Community Hospital Watsonville, CA
- 2016 "Career Development" Plastic Surgery Grand Rounds, University of Utah

**Outreach Presentations**

- 1994 Mercy Hospital. Epidural Analgesia Nursing Seminar, Auckland, New Zealand
- 1995 Mercy Hospital. Assessment and Treatment of Postoperative Pain Nursing  
Seminar, Auckland, New Zealand

**OTHER SCHOLARLY ACTIVITY**

**Other Scholarly Activities: Courses**

- 1991 Statistics Course  
Department of Anesthesia, University of California San Francisco
- 1991 Training in Clinical Research  
Department of Epidemiology and Biostatistics, University of California San  
Francisco.
- 2000 Primary Training in Hyperbaric Medicine (40 hrs)  
National Baromedical Services, Palmetto Richland Memorial Hospital,  
Columbia, SC
- 2003 NOAA/UHMS/USRF Physicians Training in Diving Medicine Course (80 hrs)  
National Oceanic and Atmospheric Administration Dive Center, Seattle, WA
- 2008 - 2009 Executive Leadership in Academic Medicine Fellowship, Drexel University,  
Philadelphia, PA
- 2011-2012 APEL Scholar (Academy of Pediatric Education and Leadership); Department  
of Pediatrics, University of Utah, Salt Lake City, UT