



11/2023- 2023 SOAP Diversity & Inclusivity Modules, Society of Obstetric  
12/2023 Anesthesia and Perinatology  
5/2024 Advanced FATE Certificate, Stanford University

**Residency and Fellowship Training:**

1993 Clerkship, Anesthesia, Massachusetts General Hospital, Harvard Medical School, Boston

1993 Clinical clerkship, Medicine and Surgery, Letaba Community Hospital, South Africa

1994 Student Internship, Medicine, Obstetrics, Pediatrics and Surgery, Baragwanath Hospital, South Africa

1/1995- Internship, Obstetrics and Gynaecology, General Medicine, Surgery,  
12/1995 Groote Schuur Hospital, Cape Town, South Africa

2/1996- Senior House Officer Residency, Medicine, Oncology, Cardiology,  
8/1997 North Staffordshire Royal Infirmary, Stoke-on-Trent  
Royal Free Hospital / St Bartholomew's Hospital, London  
Northern General Hospital, Sheffield

8/1997- Senior House Officer Residency, Anaesthesia and Intensive Care,  
8/1998 Royal Surrey County Hospital, Guildford

8/1998- Senior House Officer Residency, Anaesthesia and Intensive Care, St  
2/1999 Peter's Hospital, Chertsey

2/1999- Senior House Officer Residency, Anaesthesia and Intensive Care,  
5/1999 Queen Square Hospital, London

5/1999- Senior House Officer Residency, Anaesthesia and Intensive Care,  
8/1999 Guy's and St Thomas' Hospital, London

9/1999- Specialist Registrar Residency, Anaesthesia and ICU, South West  
10/2000 School of Anaesthesia, UK, Royal Devon & Exeter Hospital, Exeter

11/2000- Specialist Registrar Residency, Anaesthesia and ICU, South West  
10/2001 School of Anaesthesia, UK, Derriford Hospital, Plymouth

10/2001- Obstetric Anesthesia Fellowship, Department of Anesthesia, Stanford  
9/2002 University, Stanford, CA

**Board Certification:**

2014- Diplomate, American Board of Anesthesiology, USA

**Licensure:**

10/2001- Californian Medical License

## **C. Employment**

### **Academic Appointments:**

10/2002- Clinical Instructor, Department of Anesthesiology, Perioperative and  
1/2004 Pain Medicine, Stanford University School of Medicine, Stanford, CA

2/2004- Assistant Professor, University Medical Line Department of  
12/2010 Anesthesiology, Perioperative and Pain Medicine, Stanford University  
School of Medicine

1/2011- Associate Professor, University Medical Line Department of  
12/2015 Anesthesiology, Perioperative and Pain Medicine, Stanford University  
School of Medicine

12/2015- Professor, University Medical Line Department of Anesthesiology,  
Perioperative and Pain Medicine, Stanford University School of  
Medicine

9/2023- Professor by Courtesy, Department of Obstetrics and Gynecology,  
Division of Maternal Fetal Medicine, and Obstetrics, Stanford University  
School of Medicine

7/2025- Honorary Associate Professor, Anaesthesia and Perioperative  
Medicine, University College London, London, UK

### **Other Appointments:**

3/2013- Chief, Division of Obstetric Anesthesiology and Maternal Health,  
Department of Anesthesiology, Perioperative and Pain Medicine,  
Stanford University School of Medicine

3/2022- Vice Chair, Faculty Development, Department of Anesthesiology,  
Perioperative and Pain Medicine, Stanford University School of  
Medicine

## **D. Teaching and Clinical Care**

### **Students / Trainees / Mentorship:**

#### Undergraduate Students

2004-2004, Amit Saxena, Undergraduate/Medical Student Research Elective, 2  
2006-2006 hours / week

2004-2004, 2005-2005	Surbi Sarna, Undergraduate/Medical Student Research Elective, 2 hours / week
2005-2005, 2009-2009	Phillip Wang, Undergraduate/Medical Student Research Elective, 2 hours / week
2007-2007	Christina Danial, Undergraduate/Medical Student Research Elective, 2 hours / week
2009-2009	Jocelyn Wong, Undergraduate/Medical Student Research Elective, 2 hours / week
2010-2010	Lei Tian, Undergraduate/Medical Student Research Elective, 2 hours / week
2013-2013	Luo Luo Zheng, Undergraduate/Medical Student Research Elective, 2 hours / week
2014-2014	Ashley Valentine, Undergraduate/Medical Student Research Elective, 2 hours / week
2015-2015	Merrick Tan, Undergraduate/Medical Student Research Elective, 2 hours / week
1/2025	Lauren Blake, Phillip Callihan, OB Anesthesia Postgraduate Fellowship, 5 hours / week
7/2025	James O'Carroll, Thesis Supervisor, University Colledge London, 1 hour / week
8/2025	Fatine Karkri, Kimberly Mendoza, OB Anesthesia Postgraduate Fellowship, 5 hours / week

#### Graduate Students

2002-2003	Sherri Rohlf, Marie Durbin, OB Anesthesia Postgraduate Fellowship, 5 hours / week
2003-2004	Cathy Brummel, Andrea Fuller, OB Anesthesia Postgraduate Fellowship, 5 hours / week
2004-2005	Leslie Andes, Alexander Butwick, OB Anesthesia Postgraduate Fellowship, 5 hours / week
2005-2006	Vince Campitelli, Laura Roland, OB Anesthesia Postgraduate Fellowship, 5 hours / week
2006-2006	Damian Horstman, Research Electives, 2 hours / week
2006-2006	Jonathan Tang, FAER Medical Student Anesthesia Research Fellow Program, 2 hours / week

2006-2007 Amy Evers, Sachin Mehta, OB Anesthesia Postgraduate Fellowship, 5 hours / week

2007-2007 Daniel Broderick, FAER Medical Student Anesthesia Research Fellow Program, 2 hours / week

2007-2007 Javier Lorenzo, Research Electives, 2 hours / week

2007-2008 Pedram Aleshi, Lee Coleman, Leinani Aiono-Le Tagaloa, OB Anesthesia Postgraduate Fellowship, 5 hours / week

2008-2009 Lindsey Atkinson, Scott Harter, Vicki Ting, OB Anesthesia Postgraduate Fellowship, 5 hours / week

2009-2009 Carolan Hass, FAER Medical Student Anesthesia Research Fellow Program, 2 hours / week

2009-2010 Phil Rubin, Gill Hilton, Sebastian Ruehlmann, OB Anesthesia Postgraduate Fellowship, 5 hours / week

2010-2011 Pervez Sultan, Cristina Gutierrez, OB Anesthesia Postgraduate Fellowship, 5 hours / week

2011-2011 Louise Wen, FAER Medical Student Anesthesia Research Fellow Program, 2 hours / week

2011-2011 Y Al-Tamimi, Thesis Examination, University of Western Australia, 2 hours / week

2011-2012 Farheen Mirza, Gill Hilton, OB Anesthesia Postgraduate Fellowship, 5 hours / week

2012-2012 Tomás Lazo, FAER Medical Student Anesthesia Research Fellow Program, 2 hours / week

2012-2013 Kulsum Akbar, OB Anesthesia Postgraduate Fellowship, 5 hours / week

2013-2014 Yuri Cho, Naola Austin, Adrienne Duffield, OB Anesthesia Postgraduate Fellowship, 5 hours / week

2013-2015 Kathleen Brookfield, MFM Postgraduate Fellowship, 5 hours / week

2014 Kevin Mangum, FAER Medical Student Anesthesia Research Fellow Program, 2 hours / week

2014 R Brownino, Thesis Examination, University of Western Australia, 2 hours / week

2014 Rachel Wang, Research Electives, 2 hours / week

2014-2015 Ryu Komatsu, Ben Cobb, Christine Piascik, OB Anesthesia Postgraduate Fellowship, 5 hours / week

2014-2016 Seden Akdagli, Research Electives, 5 hours / week

2015 Phi Ho, FAER Medical Student Anesthesia Research Fellow Program, 2 hours / week

2015-2016 Amy Judy, MFM Postgraduate Fellowship, 5 hours / week

2015-2016 Claire Miller, Research Electives, 2 hours / week

2015-2016 Katherine Seligman, Caitlin Sutton, Allison McDonald, OB Anesthesia Postgraduate Fellowship, 5 hours / week

2016 Adrain Chow, FAER Medical Student Anesthesia Research Fellow Program, 2 hours / week

2016 L du Toit, Thesis Examination, University of Cape Town, 2 hours / week

2016 S Chetty, Thesis Examination, University of the Witwatersrand, 2 hours / week

2016-2017 Amanda Yeaton-Massey, MFM Postgraduate Fellowship, 2 hours / week

2016-2017 Kelly Fedoruk, John Kowalczyk, Mary Yurashevich, OB Anesthesia Postgraduate Fellowship, 5 hours / week

2016-2018 Kazuo Ando, Research Electives, 5 hours / week

2017-2018 Jessie Ansari, Jalal Nanji, Paul Macias, OB Anesthesia Postgraduate Fellowship, 5 hours / week

2018 Brian Tse, Research Electives, 2 hours / week

2018-2019 Neil Kalariya, Amy Willett, Waseem Athar, OB Anesthesia Postgraduate Fellowship, 5 hours / week

2019-2020 Sapna Satyanarayan-Victor, Maria Sheikh, Cedar Fowler, OB Anesthesia Postgraduate Fellowship, 5 hours / week

1/2020-8/2021 Emily Stockert, Dan Hoang, Mary Im, Erin Loeliger, OB Anesthesia Postgraduate Fellowship, 5 hours / week

8/2021-12/2022 Liz Ozery, Alla Yarmosh, Leziga Obiyo, OB Anesthesia Postgraduate Fellowship, 5 hours / week

8/2022 Alix Baycraft, Nada Ismaiel, OB Anesthesia Postgraduate Fellowship, 5 hours / week

1/2023 Lydiesther Martinez, Daniel Conti, OB Anesthesia Postgraduate Fellowship, 5 hours / week

8/2023 Lynn Squires, Eva Martinez, OB Anesthesia Postgraduate Fellowship, 5 hours / week

1/2024 Maggie Smith, Claudia Sotillo, OB Anesthesia Postgraduate Fellowship, 5 hours / week

- 7/2024 Jordan Abrams, Chloe Stanwyck, OB Anesthesia Postgraduate Fellowship, 5 hours / week
- 7/2024 Nisha Panigrahy, FAER Medical Student Anesthesia Research Fellow Program, 2 hours / week

**Major Administrative Responsibilities or Committee Assignments:**

- 2010-2011 Incentives and Compensation Committee, Anesthesiology Department, Stanford
- 2011-2012 Clinical Commitment Committee, Anesthesiology Department, Stanford
- 2011-2014 Technology Assessment Committee, Stanford Hospital and Clinics
- 2012-2014 Education Committee, Anesthesiology Department, Stanford
- 2012-2018 Departmental Faculty Senator, Stanford University School of Medicine
- 2013-2013 Development and Mentoring Workgroup, Anesthesiology Department, Stanford
- 2013-2013 Future of Anesthesiology Workgroup, Anesthesiology Department, Stanford
- 2013-2020 Committee on Quality, Efficiency and Patient Satisfaction (QEP), Anesthesiology Department, Stanford
- 2013-2020 Professional Practice Evaluation Committee (PPEC), Obstetrics and Gynecology Department, Stanford
- 2013-5/2022 Appointments and Promotions Committee, Anesthesiology Department, Stanford
- 2013- Governance Committee, Anesthesiology Department, Stanford
- 2013- Johnson Center Executive Committee, Lucile Packard Children's Hospital
- 2018-2019 Chair, Pediatric Anesthesia Chief Search Committee, Anesthesiology Department, Stanford
- 2018-2019 Member, Adult Cardiothoracic Anesthesia Chief Search Committee, Stanford University
- 1/2019- Faculty Practice Organization (FPO) Clinical Chiefs Committee, Lucile Packard Children's Hospital Stanford
- 8/2019- Anesthesia Mentorship Program (AMP) Mentor/Sponsor, Anesthesiology Department, Stanford
- 7/2020
- 9/2019 Faculty Practice Organization (FPO) Ops and Quality Committee, Lucile Packard Children's Hospital Stanford

8/2020-7/2021, 8/2022-7/2023, 8/2022-7/2023, 8/2023-1/2021- Anesthesia Mentorship Program (AMP) Mentor/Sponsor, Anesthesiology Department, Stanford

1/2021- Johnson Center Operations Committee, Lucile Packard Children's Hospital Stanford

5/2021-8/2022 Chair, Cardiothoracic Anesthesia Chief Search Committee, Anesthesiology Department, Stanford

6/2022- Faculty Mentoring Champion, Office of Academic Affairs, Stanford University

7/2022- Stanford Enhanced Early Development (SEED) Program Founder/Co-director, Anesthesiology Department, Stanford

10/2022- Stanford Children's Opioid Crisis Taskforce, Lucile Packard Children's Hospital Stanford

7/2023- Regional Anesthesiology Division, Associate Research Director, Anesthesiology Department, Stanford

7/2023- Reproductive Endocrinology and Infertility Faculty Search Committee, Department of Obstetrics and Gynecology, Stanford

9/2023- Leadership Education in Anesthesia Program (LEAP): Founder/Co-director, Anesthesiology Department, Stanford

1/2024- Pain Clinical Scientist Search Committee, Co-Chair, Anesthesiology Department, Stanford

4/2024- P2P (Professor-to-Professor) Program: Founder/Co-director, Anesthesiology Department, Stanford, Anesthesiology Department, Stanford

5/2024- Regional Anesthesiology Division, OB liaison, Anesthesiology Department, Stanford

6/2024 Pain Faculty Researcher Search Committee, Co-Chair, Anesthesiology Department, Stanford

6/2024- Regional Anesthesia Chair Search Committee, Member, Anesthesiology Department, Stanford

1992-1994 Medical school graduation magazine - Editor-in-chief, University of Witwatersrand, South Africa

1992-1994 Medical school newsletter, the Haemorrhoid - Founder and editor, University of Witwatersrand, South Africa

1992-1994	The official university medical journal, the Leech - Editorial committee, University of Witwatersrand, South Africa
2000-2001	Specialist Training Committee Trainee Representative., Royal College of Anaesthetists, UK
2000-2001	Trainee Linkman, Association of Anaesthetists, UK
2005-2006	Scientific Program Committee (Transatlantic SOAP-OAA Symposium), Society for Obstetric Anesthesia and Perinatology (SOAP)
2005-2007	Medical Student Research Fellowship Mentor, Foundation for Anesthesia Education and Research (FAER)
2005-2007	Obstetric anesthesiology fellowship training ACGME accreditation committee, Society for Obstetric Anesthesia and Perinatology (SOAP)
2006-2008	Mentorship Initiative Mentor, International Anesthesia Research Society (IARS)
2006-2011	Membership Committee Member, Society for Obstetric Anesthesia and Perinatology (SOAP)
2007-2009	Obstetric Anesthesia Practice Parameter Consultant, American Society of Anesthesiologists (ASA)
2007-5/2021	Research Committee Member, Society for Obstetric Anesthesia and Perinatology (SOAP)
2007-	Elected Faculty, Association of University Anesthesiologists (AUA)
2008-2013	ABA Alternative Pathway Program Enrollment, American Board of Anesthesiology
2008-2016	Evaluation Board Faculty Member and Reviewer, Obstetrical Anesthesia and Pain Management Section, Faculty of 1000 Medicine
2009-2010	Obstetric Anesthesia Research Subcommittee, American Society of Anesthesiologists (ASA)
2011-2012	Annual Meeting Planning Committee, Society for Obstetric Anesthesia and Perinatology (SOAP)
2011-2012	District 4 Alternate Delegate, California Society of Anesthesiologists (CSA)
2011-2013	Obstetric Anesthesia Simulation Development, American Society of Anesthesiologists (ASA)
2011-2014	Director-at large (Board member position), Society for Obstetric Anesthesia and Perinatology (SOAP)
2011-2019	Sol Shnider Annual Meeting Planning Committee, Society for Obstetric Anesthesia and Perinatology (SOAP)

2012-2013, 2013-2014	Obstetric Anesthesia Educational Track Subcommittee, American Society of Anesthesiologists (ASA)
2012-2013	Webcast Taskforce Member, Society for Obstetric Anesthesia and Perinatology (SOAP)
2012-2014	CPR Pregnancy Consensus Statement Taskforce, Chair, Society for Obstetric Anesthesia and Perinatology (SOAP)
2012-2015, 2015-2017, 2018-2020	District 4 Delegate, California Society of Anesthesiologists (CSA)
2013-2015	Cardiac Arrest in Pregnancy Scientific Statement Writing Group, American Heart Association (AHA)
2013-2015	Regional Anesthesia ACGME Fellowship Exploratory Committee, American Society of Regional Anesthesia and Pain Medicine (ASRA)
2013-2019	Bylaws Committee, Society for Obstetric Anesthesia and Perinatology (SOAP)
2013-	Educational Programs Division Committee, California Society of Anesthesiologists (CSA)
2014-2015	2nd VP (SOAP president succession position), Society for Obstetric Anesthesia and Perinatology (SOAP)
2014-2015	Anesthesia and Breastfeeding Consensus Statement Committee, Society for Obstetric Anesthesia and Perinatology (SOAP)
2014-2019	Executive board committee, Society for Obstetric Anesthesia and Perinatology (SOAP)
2015-2016	1st VP, Society for Obstetric Anesthesia and Perinatology (SOAP)
2015-2017	East Coast Meeting Planning Committee, Society for Obstetric Anesthesia and Perinatology (SOAP)
2015-2017	Fall Meeting Program Chair, California Society of Anesthesiologists (CSA)
2016-2017	1st World Congress of Anesthesia for Obstetrics Planning Committee, World Congress of Anesthesia
2016-2017	President-Elect, Society for Obstetric Anesthesia and Perinatology (SOAP)
2016-2017	Task Force to Support Vaginal Birth and Reduce Primary Cesareans: Advisory Group, California Maternal Quality Care Collaborative (CMQCC)
2016-2018	SOAP Venous Thromboembolism Prophylaxis Consensus Statement Committee, Society for Obstetric Anesthesia and Perinatology (SOAP)

2016-2019	SOAP Intrathecal Morphine Respiratory Depression Consensus Statement Committee, Chair, Society for Obstetric Anesthesia and Perinatology (SOAP)
2017-2018	SOAP President, Society for Obstetric Anesthesia and Perinatology (SOAP)
2017-2018	Sub-Specialty Committee, American Society of Anesthesiologists (ASA)
2017-6/2023	SOAP Centers of Excellence Committee, Chair, Society for Obstetric Anesthesia and Perinatology (SOAP)
2018-2019	Committee on Specialty Societies member, American Society of Anesthesiologists (ASA)
2018-2019	External Review Group: WHO recommendations for Uterotonics for the prevention of postpartum haemorrhage, World Health Organization (WHO)
2018-2019	Immediate-Past President, Society for Obstetric Anesthesia and Perinatology (SOAP)
2018-	Committee on Obstetric Anesthesia, American Society of Anesthesiologists (ASA)
2018-	Past President Committee, Society for Obstetric Anesthesia and Perinatology (SOAP)
2019-2020	WHO Technical Consultation: Treatment of pre-eclampsia and eclampsia, World Health Organization (WHO)
2019-5/2021	International Outreach Committee, Society for Obstetric Anesthesia and Perinatology (SOAP)
2019-5/2021	SOAP Enhanced Recovery after Cesarean Delivery (ERAC) Committee Member, Society for Obstetric Anesthesia and Perinatology (SOAP)
2019-10/2023	Obstetric Anesthesia Education Committee, Vice Chair, American Society of Anesthesiologists (ASA)
2020-3/2022	Innovations EPD Subcommittee Member, California Society of Anesthesiologists (CSA)
2020-3/2022	Pain Medicine Committee Member, California Society of Anesthesiologists (CSA)
2020-4/2022	Annual Meeting Oversight Committee Member, California Society of Anesthesiologists (CSA)
2020-6/2023	Intersociety Steering Committee Member, Society for Obstetric Anesthesia and Perinatology (SOAP)

- 2020-12/2023 SOAP/ASRA/SMFM Peri-delivery Pain Management in Women with Opioid Use Disorder Taskforce, Society for Obstetric Anesthesia and Perinatology (SOAP)
- 2020- Committee on Professional and Public Communication Member, California Society of Anesthesiologists (CSA)
- 2020- Multicenter Research Network Subcommittee Member, Society for Obstetric Anesthesia and Perinatology (SOAP)
- 2020- Voluntary Review of Quality of Care program reviewer, American College of Obstetricians and Gynecologists (ACOG)
- 1/2020-12/2021 Technical Advisor: WHO Recommendations for Prevention and Treatment of Postpartum Hemorrhage, World Health Organization (WHO)
- 12/2020-1/2023 INTEGRATE-pain Delphi Reviewer, INTEGRATE-Pain Consortium. National Institutes of Health. <https://integrate-pain-domain-meeting.com/>
- 1/2021-6/2022 Minimum Care Standards for Anesthesiology Services Adhoc Committee, Society for Obstetric Anesthesia and Perinatology (SOAP)
- 1/2021- ASA Premier Inc's Maternal/Infant Advisory Panel, Premier Inc.
- 3/2021-5/2025 District 3 Delegate, California Society of Anesthesiologists (CSA)
- 1/2022-10/2022 ASA Committee on Obstetric Anesthesia: Statement on Quality Metrics Taskforce, American Society of Anesthesiologists (ASA)
- 9/2022- NRSFit (neuraxial) Clinical Advisory Board, Global Enteral Device Supplier Association (GEDSA)
- 9/2022- SOAP Mentoring Academy Mentor, Society for Obstetric Anesthesia and Perinatology (SOAP)
- 11/2022- SOAP Outreach California State Obstetric Anesthesiologist Representative, Society for Obstetric Anesthesia and Perinatology (SOAP)
- 1/2023- Alliance for Innovation on Maternal Health (AIM) Severe Maternal Morbidity (SMM) Review Form Committee, American College of Obstetricians and Gynecologists (ACOG)
- 2/2023- External Advisor: Steering Committee of the WHO REACH trial, World Health Organization (WHO)
- 5/2023- Recovery after childbirth SIG: Chair, Society for Obstetric Anesthesia and Perinatology (SOAP)
- 7/2023- SOAP Capital Campaign Committee: Member, Society for Obstetric Anesthesia and Perinatology (SOAP)

- 7/2023- SOAP Center of Excellence Committee: Member, Society for Obstetric Anesthesia and Perinatology (SOAP)
- 8/2023- SOAP SPEAKS! Reviewer Task Force, Society for Obstetric Anesthesia and Perinatology (SOAP)
- 2/2024- WHO Guideline Development Group: Prevention, detection and treatment of postpartum haemorrhage (PPH), World Health Organization (WHO)
- 4/2024- WHO Steering Committee: Reappraisal of WHO Postpartum Haemorrhage Definition, World Health Organization (WHO)
- 7/2024- Mentoring Academy Committee, Member, Society for Obstetric Anesthesia and Perinatology (SOAP)
- 7/2024- Research Network Committee, Member, Society for Obstetric Anesthesia and Perinatology (SOAP)
- 6/2025 CSA Global Health Committee, California Society of Anesthesiologists (CSA)

## **E. Public and Professional Service**

### **Professional Societies:**

- 1997-2002 Member, Association of Anaesthetists of Great Britain and Ireland
- 1999-2004 Member, Obstetric Anaesthetists Association of Great Britain
- 2000- Member, Fellow of the Royal College of Anaesthetists
- 2002- Member, American Society of Anesthesiologists
- 2002- Member, California Society of Anesthesiologists
- 2002- Member, Society for Obstetric Anesthesia and Perinatology
- 2005 Member, International Anesthesia Research Society
- 2005- Member, American Society of Regional Anesthesia and Pain Medicine
- 2007- Member, Association of University Anesthesiologists
- 2014- Member, American Board of Anesthesiologists
- 2017- Member, European Society of Anesthesiology

### **Ad Hoc Reviewer:**

- 2010 Acta Anaesthesiologica Belgica
- 2010 AGOG MFM

2010 American Journal of Obstetrics and Gynecology  
2010 American Journal of Perinatology  
2005 Anesthesia and Analgesia  
2005 Anesthesiology  
2015 Anesthesiology Research and Practice  
2015 Annals of Surgery  
2015 BMJ Quality & Safety  
2010 British Journal of Anaesthesia  
2015 British Medical Bulletin  
2015 British Medical Journal (BMJ)  
2015 Canadian Journal of Anesthesia  
2015 Case Reports in Anesthesiology  
2015 Cochrane Pregnancy and Childbirth  
2015, 2015 Current Medical Research & Opinion  
2015 Dove Medical Press  
2015 Drug Safety  
2015 European Journal of Anaesthesiology  
2015 European Journal of Pain  
2015 First Consult  
2005 International Journal of Obstetric Anesthesia  
2015 Journal of Anesthesiology and Clinical Science  
2010 Journal of Clinical Anesthesia  
2010 Journal of Research in Medical Sciences  
2015 Lancet  
2015 Medicina  
2015 Minerva Anestesiologica  
2010 Obstetrics and Gynecology  
2010 PLOS ONE

**Editorial Positions:**

2011-2014	Editorial Board, ISRN Anesthesiology
2011-	Editorial Board, Journal of Pain and Relief
2011-	Editorial Board, Open Journal of Anesthesiology
1/2011- 12/2021	Editorial Board, International Journal of Obstetric Anesthesia
2012-2016	Editorial Board, Journal of Anesthesiology and Clinical Science
2012-2017	Editorial Board, Case Reports in Anesthesiology
2012-2017	Editorial Board, The Open Anesthesiology Journal
2015-	Sub-Editor and Editorial Board, Southern African Journal of Anaesthesia and Analgesia
2019-	Editorial Board, Special Edition Editor, Best Practice & Research Clinical Anaesthesiology
8/2021- 5/2022	Guest Editor: OB Anesthesia Edition, Best Practice & Research Clinical Anaesthesiology

#### **F. Post-Degree Honors and Awards**

1988	Full academic colors, Greenside High School, South Africa
1989-1991	Distinctions (honors) in: Hematology, Pharmacology, Forensic Medicine, Anatomy, Physiology and Community Medicine., University of Witwatersrand, South Africa
1992-1994	Distinctions (honors) in: Medicine, Obstetrics, Gynecology, Orthopedics, Pediatrics, University of Witwatersrand, South Africa
1994	Noristan Prize: The most distinguished student in the final year of Obstetrics study, University of Witwatersrand, South Africa
1994	Smith & Nephew Prize: Highest graduating mark in Orthopedics, University of Witwatersrand, South Africa
2003	Gertie Marx Symp. 3rd place (Presenting Author), Society for Obstetric Anesthesia and Perinatology
5/2003, 8/2007	Attending of the Month Award, Stanford University Hospital
2004	Gertie Marx Symp.: 2nd place (Co-Author), Society for Obstetric Anesthesia and Perinatology
2006	Best abstract of Meeting (Senior Author), Obstetric Anaesthetists Association of Great Britain

2006, 2014	Gertie Marx Symp.: 1st place (Senior Author), Society for Obstetric Anesthesia and Perinatology
5/2006	Attending of the Year Award, Stanford University Anesthesiology Department
9/2006	Best Protocol, SPCTRM Intensive Clinical Research Course, Stanford University
2007	Gertie Marx Symp.: 3rd place (Senior Author), Society for Obstetric Anesthesia and Perinatology
2009, 2015	Gertie Marx Symp.: 2nd place (Senior Author), Society for Obstetric Anesthesia and Perinatology
2010, 2015	Best Paper Finalist (Presenting Author), Society for Obstetric Anesthesia and Perinatology
2011	Best Paper Finalist (Senior Author), Society for Obstetric Anesthesia and Perinatology
2012	Best Paper in Obstetric Anesthesia Award (Senior Author), Canadian Anesthesiologists' Society
2012	Gertie Marx Symp.: 3rd place (Co-Author), Society for Obstetric Anesthesia and Perinatology
2012	Oral Finalist (Senior Author), Obstetric Anaesthetists Association of Great Britain
2012	Teacher of the Year <10 years, Society for Obstetric Anesthesia and Perinatology
2012	Transthoracic Echo Curriculum for Obstetric Anesthesia, Stanford University Teaching Scholar Award
2012, 2014, 2016	Won Best Paper of Meeting (Presenting Author), Society for Obstetric Anesthesia and Perinatology
2014	Best Clinical Abstract (Presenting Author), Stanford University Anesthesiology Department
2014	Best Paper Finalist (Presenting Author), Obstetric Anaesthetists Association of Great Britain
2014	Cornerstone Society Rising Star, Lucile Packard Foundation for Children's Health
5/2014	Plenary Bruce Scott lectureship, Obstetric Anaesthetists Association (OAA)
9/2014	Robert Abraham Endowed Lecture, Johns Hopkins University
2015	Best Clinical Abstract (Co-Author), Stanford University Anesthesiology Department

2016, 2017 Gertie Marx Symp. Finalist (Co-Author), Society for Obstetric Anesthesia and Perinatology

2016 Poster Best in Category: Analgesia (Co-Author), Obstetric Anaesthetists Association of Great Britain

2016 Zuspan Award (Presenting Author), Society for Obstetric Anesthesia and Perinatology

2017 Best Paper of Meeting (2nd place, Senior Author), Society for Obstetric Anesthesia and Perinatology

2017 Best Paper Oral Presentation (Co-Author), American Society of Anesthesiology Annual Meeting

4/2017 Honorary Sheila Cohen Lectureship, Stanford

2018 Best Paper Finalist (Co-Author), Obstetric Anaesthetists Association of Great Britain

2018 Best Paper of Meeting Finalist (Co-Author), Society for Obstetric Anesthesia and Perinatology

3/2018 Duffy Lectureship, UT Southwestern

2019 Center of Excellence Designation, Society for Obstetric Anesthesia and Perinatology

2019 Gertie Marx Symp. Finalist (Senior Author), Society for Obstetric Anesthesia and Perinatology

2019 Zuspan award: 2nd place (Co-Author), Society for Obstetric Anesthesia and Perinatology

2019 Zuspan award: 3rd place (Senior Author), Society for Obstetric Anesthesia and Perinatology

2020 Best Basic Science Study Finalist (Co-Author), Society for Obstetric Anesthesia and Perinatology

2020 Best Clinical Study: 2nd place (Senior Author), Society for Obstetric Anesthesia and Perinatology

2020, 5/2022, 5/2025 Gertie Marx Symp. Winner (Co-Investigator), Society for Obstetric Anesthesia and Perinatology

2020 Oral presentation (Senior Author), Society for Maternal Fetal Medicine Annual Meeting

2020 Society for Obstetric Anesthesia and Perinatology, Obstetrics Professional Practice Evaluation Committee OB Anesthesia Exceptional Clinical Care

5/2021, 5/2023, 5/2025	Best Paper finalist (Co-Author), Society for Obstetric Anesthesia and Perinatology
5/2021	Best Paper finalist: (Senior Author), Society for Obstetric Anesthesia and Perinatology
5/2021	Teacher of the Year >10 years, Society for Obstetric Anesthesia and Perinatology
6/2021	Ellis N. Cohen Achievement Award, Department of Anesthesiology, Stanford
6/2021	Fellow of the American Society of Anesthesiologists (FASA), American Society of Anesthesiologists
6/2021	Harry & Mitzie Cohen Lectureship, Northwestern Memorial Hospital
5/2023	Distinguished Service Award, Lucile Packard Children's Hospital Stanford
5/2023	Zuspan award, Society for Obstetric Anesthesia and Perinatology
1/2024	Oration Award, GARC 2024, Ganga Hospital, Coimbatore, India
5/2024	Distinguished Service Award (DSA) 2024, Society for Obstetric Anesthesia and Perinatology

## **G. Other Study and Research Opportunities**

### **Past:**

1/2004	Funder: Indigo Orb, Inc. Title: AutoDetect Syringe: An investigational spring-loaded "loss-or resistance" epidural syringe. Role: PI
1/2004	Funder: Dynatherm Medical, Inc. Title: Effect of a New Handwarming Device (Vitalheat) on Maternal Temperature during Regional Anesthesia for Cesarean Delivery. Role: Co-Investigator (PI: Brock-Utne, John)
1/2004	Funder: LPCH Patient Innovations Award Title: Grant Obstetric-Anesthesia Simulator: Training in Obstetric Crisis Management Role: Co-Investigator (PI: Lipman, Steve)
1/2004	Funder: Pfizer Pharmaceuticals and Department of Anesthesiology, Stanford Title: Valdecoxib For Postoperative Pain Management After Cesarean

- Section: A randomized, double-blinded, placebo-controlled study.  
Role: PI
- 1/2005 Funder: Iris Litt Grant  
Title: Coagulation effects of a crystalloid compared to a colloid preload prior to Cesarean delivery under regional anesthesia  
Role: PI
- 1/2005 Funder: Endo Pharmaceuticals  
Title: DepoDur for Postoperative Pain Management after Cesarean  
Section: A randomized, double-blinded, active-controlled study.  
Role: PI
- 1/2006-12/2008 Funder: NIH K12 award (BIRCWH scholarship mentored research training grant)  
Title: Acute and Chronic Persistent Pain Following Cesarean Delivery: The role of cytokines  
Mentors: M Angst and D Clark  
Role: PI
- 1/2007 Funder: I Flow  
Title: Incisional Wound and Systemic Cytokines, Nerve Growth Factor, Prostaglandin E2 and Substance P Release Following Cesarean Delivery  
Role: PI
- 1/2008-12/2010 Funder: The Institute for Immunity, Transplantation and Infection, Stanford  
Title: A Systems Biology Approach for Discovery of Biomarkers for Inflammatory Pain  
Role: Co-Investigator (PI: Angst, Martin)
- 1/2009 Funder: Epimed International, Inc.  
Title: Continuous intrathecal cesarean anesthesia  
Role: PI
- 1/2009-12/2011 Funder: EKR Therapeutics  
Title: A Study to Evaluate the Effects of Epidural Lidocaine Administration on the Pharmacokinetic and Pharmacodynamic Profiles of Extended-Release Epidural Morphine (DepoDur) in Patients Undergoing Cesarean Delivery  
Role: PI
- 1/2011-12/2012 Funder: Department of Anesthesiology, Stanford University  
Title: Continuous Femoral Nerve Block for the Management of Fracture Neck of Femur  
Role: Co-Investigator (PI: Peltz, David)
- 1/2011-12/2013 Funder: Pacira Pharmaceuticals  
Title: Continuous Vs. Single-shot Local Anesthetic Wound and Nerve

Administration

Role: PI

- 1/2011-12/2013 Funder: Australian and New Zealand College of Anaesthetists (ANZCA)  
Title: Methylnaltrexone to prevent intrathecal morphine-induced pruritus after caesarean delivery: Multicenter MEAN ITCH Trial  
Role: Co-Investigator (PI: Paech, Mike)
- 1/2012-12/2015 Funder: Child Health Research Institute (CHRI) Harman Faculty  
Scholar Award  
Title: Pharmacokinetic and Pharmacodynamic Modeling of Magnesium Sulfate In the Mother and Exposed Neonate  
Role: PI
- 1/2012-12/2018 Funder: R01 HD070795-01A1  
Title: Preventing the Neonatal Narcotic Abstinence Syndrome  
Role: Co-Investigator (PI: Drover, Peltz)
- 1/2013-12/2014 Funder: Child Health Research Institute (CHRI) Innovations in Patient Care Award  
Title: Sepsis Surveillance in Obstetric Patients  
Role: Co-Investigator (PI: Abir, Gill)
- 1/2013-12/2015 Funder: National Institutes of Health (NIH) Clinical Loan Repayment Program (LRP) Award  
National Institute of Child Health and Human Development (NICHD)  
Title: Pharmacokinetics, Pharmacodynamics and Placental Transfer of Magnesium Sulfate in Pregnant Women  
Role: Senior Investigator/Mentor (PI: Brookfield, Kathleen)
- 1/2015-12/2017 Funder: WHO and Merck Pharmaceuticals  
Title: A Study to Identify an Alternative Dosing Regimen of MgSO<sub>4</sub> for the Treatment of Pre-Eclampsia using Pharmacokinetic/Pharmacodynamic Modeling and Simulation  
Role: PI
- 1/2015-12/2017 Funder: Covidien Ltd.  
Title: Respiratory depression in women undergoing cesarean delivery with neuraxial opioids  
Role: PI
- 1/2015-12/2017 Funder: UCLH Hospital Charity Fund  
Title: Transthoracic echocardiography performed by obstetric anaesthetists on outcomes following postpartum haemorrhage  
Role: Co-Investigator (PI: Sultan, Pervez)
- 1/2016-12/2018 Funder: Rivanna  
Title: Neuraxial Ultrasound Device Evaluation On Laboring Women  
Role: PI

1/2016-12/2018 Funder: NIH Grant 1R41HD088137-01  
Title: Non-Invasive, Highly Specific Detection of Oxytocin in Biological Fluids  
Role: Co-Investigator (PI: Avni Argun, Giner Inc.)

1/2016-12/2018 Funder: Gauss Surgical  
Title: Study Assessing Blood Loss Measurement During Cesarean Delivery with Triton Device  
Role: Co-Investigator (PI: Butwick, Alexander)

1/2017-12/2018 Funder: SOAP Young Investigator Award  
Title: Evaluation of the Effects of Intravenous Ketorolac on Platelet Function Post-Cesarean  
Role: Mentor and Co-investigator (PI: Kowalczyk, John)

1/2017-12/2019 Funder: Pacira Pharmaceuticals  
Title: Safety and Efficacy of EXPAREL Versus Bupivacaine: Transversus Abdominis Plane (TAP) Blocks in Subjects Undergoing Elective Cesarean Section  
Role: Co-PI (Co-PI: Horn, Jean-Louis)

1/2018-12/2019 Funder: OAA Small Research Grant  
Title: Prediction of prolonged length of stay after delivery using an Obstetric Quality of Recovery scoring tool (ObsQoR-11): a multi-centre study  
Role: Co-Investigator (PI: Sultan, Pervez)

1/2019-12/2020 Funder: Pacira Pharmaceuticals  
Title: EXPAREL Transversus Abdominis Plane (TAP) Blocks Versus Intrathecal Morphine For Cesarean Section Choice Study  
Role: Co-PI (Co-PI: Horn, Jean-Louis)

1/2019-12/2020 Funder: OAA grant  
Title: National Obstetric Anaesthesia Health Audit Research and patient-centred outcomes project (NOAH's ARC): Regional Anaesthesia for Caesarean Section  
Role: Co-Investigator (PI: Sultan, Pervez)

1/2019-12/2020 Funder: CereVu Medical  
Title: ROPA System for labor pain detection and analgesic technique comparison  
Role: PI

1/2020-12/2021 Funder: SOAP/Kybele International Outreach Grant  
Title: Prevalence of cardiac dysfunction and its association with brain natriuretic peptide in eclamptic women  
Role: Mentor and Co-investigator (PI: Ortner, Clemens)

1/2020-1/2023 Funder: Maternal & Child Health Research Institute (MCHRI) Harman Scholar

- Title: Development and validation of a new global outpatient postpartum quality of recovery patient-reported outcome measure.  
Role: Co-Investigator (PI: Sultan, Pervez)
- 5/2020-5/2022 Funder: SOAP Young Investigator Grants  
Title: Calcium Chloride for Prevention of Uterine Atony during Intrapartum Cesarean Delivery  
Role: Mentor and Co-investigator (PI: Ansari, Jessie)
- 1/2021-1/2023 Funder: AMOSO Innovation Fund, Canada  
Title: Quality of Recovery Scores in Parturients with Obesity: A Prospective Observational Study  
Role: Co-Investigator (PI: Sebbag, Ilana)
- 1/2021-1/2023 Funder: Maternal and Child Health Research Institute (MCHRI) Clinician Educator Grant  
Title: Standardized uterine tone assessments to predict hemorrhage during Cesarean Delivery  
Role: Co-Investigator (PI: Ansari, Jessie)
- 2/2022-2/2024 Funder: Foundation for Anesthesia Education and Research (FAER) MRTG  
Title: Calcium Chloride for the Prevention of Blood Loss During Intrapartum Cesarean Delivery: A Single Center Randomized Controlled Trial  
Role: Co-investigator/mentor (PI: Ansari, Jessie)
- 5/2022-5/2023 Funder: Society for Obstetric Anesthesia and Perinatology  
Title: SOAP/Kybele International Outreach Grant  
Role: Mentor (PI: Moris Baluku)

**Present/Pending:**

- 1/2020- Funder: National Institutes of Health  
Title: K12 Women's Reproductive Health Research at Stanford (WRHRS) Program  
Role: Faculty Mentor (PI: Subak, Leslie)
- 1/2022- Title: Evaluation of Objective Pain Measurement Device: CereVu  
Role: PI
- 6/2023- Funder: Stanford Maternal and Child Health Research Institute (MCHRI)  
Title: Adverse Childhood Experiences and Pain After Cesarean Section  
Role: Co-Investigator (PI: Danielle Panelli)
- 12/2023- Funder: Maternal and Child Health Research Institute (MCHRI), Stanford

Title: Leveraging immune system dynamics to predict medical induction of labor outcomes  
Role: Co-Investigator (PI: Kazuo Ando)

## H. Service as Grant Reviewer

2007-	Annual Scientific Meeting Abstract Reviewer, Society for Obstetric Anesthesia and Perinatology
2009-2010	Annual Scientific Meeting Abstract Reviewer, American Society of Anesthesiologists
2011, 2014	Masters in Research Thesis Review, University of Western Australia
2016	Masters in Research Thesis Review, University of Cape Town, South Africa
2016	Masters in Research Thesis Review, University of the Witwatersrand, South Africa
1/2021	Study protocol review, World Health Organization (WHO)

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### Peer-Reviewed Articles: (275 Total)

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2. **Carvalho B,** Quiney NF. 'Near-miss' hyperkalaemic cardiac arrest associated with rapid blood transfusion. *Anaesthesia.* 1999 Nov;54(11):1094-1096. PMID: 10540099
3. **Carvalho B,** Smith M. Viagra: are anaesthetists rising to the challenge?. *Anaesthesia.* 2001 Jan;56(1):91-93. PMID: 11167459
4. **Carvalho B,** Benton JI, Vickery PJ, Sneyd JR, Davies PRF, Langton JA. Long term functional recovery following day-case laparoscopic sterilization: inhalational versus TIVA maintenance. *Ambulatory Surgery* 2002; 10(1):45-51.
5. Feldman M, James U, **Carvalho B,** M Underwood. Single session hypnotherapy for smoking cessation. A cost-effective alternative? *European Journal of General Practice* 2002; 8(6):75-6.
6. **Carvalho B,** Sanders D. The output of two sevoflurane vaporizers in the presence of helium. *Br J Anaesth.* 2002 May;88(5):711-713. PMID: 12067011

7. **Carvalho B**, Ridler BM, Thompson JF, Telford RJ. Myocardial ischaemia precipitated by acute normovolaemic haemodilution. *Transfus Med.* 2003 Jun;13(3):165-168. PMID: 12791085
8. **Carvalho B**, Mirikitani EJ, Lyell D, Evans DA, Druzin M, Riley ET. Neonatal chest wall rigidity following the use of remifentanyl for Cesarean Delivery in a Patient with Autoimmune Hepatitis and Thrombocytopenia. *Int J Obstet Anesth.* 2004 Jan;13(1):53-56. PMID: 15321443
9. **Carvalho B**, Coghill J. Obstetric anaesthesia workload and time of day. *Int J Obstet Anesth.* 2004 Apr;13(2):126-128. PMID: 15321423
10. **Carvalho B**, Riley E, Cohen SE, Gambling D, Palmer C, Huffnagle HJ, Polley L, Muir H, Segal S, Lihou C, Manvelian G, DepoDur Study Group. Single-dose, sustained-release epidural morphine in the management of postoperative pain after elective cesarean delivery: results of a multicenter randomized controlled study. *Anesth Analg.* 2005 Apr;100(4):1150-1158. PMID: 15781537, <https://doi.org/10.1213/01.ANE.0000149544.58230.FF>
11. **Carvalho B**, Cohen SE, Giarrusso K, Durbin M, Riley ET, Lipman S. "Ultra-light" patient-controlled epidural analgesia during labor: effects of varying regimens on analgesia and physician workload. *Int J Obstet Anesth.* 2005 Jul;14(3):223-229. PMID: 15935646
12. **Carvalho B**, Durbin M, Drover DR, Cohen SE, Ginosar Y, Riley ET. The ED50 and ED95 of intrathecal isobaric bupivacaine with opioids for cesarean delivery. *Anesthesiology.* 2005 Sep;103(3):606-612. PMID: 16129987
13. **Carvalho B**, Cohen SE, Lipman SS, Fuller A, Mathusamy AD, Macario A. Patient preferences for anesthesia outcomes associated with cesarean delivery. *Anesth Analg.* 2005 Oct;101(4):1182-1187. PMID: 16192541, <https://doi.org/10.1213/01.ane.0000167774.36833.99>
14. Fuller AJ, **Carvalho B**, Brummel C, Riley ET. Epidural anesthesia for elective cesarean delivery with intraoperative arterial occlusion balloon catheter placement. *Anesth Analg.* 2006 Feb;102(2):585-587. PMID: 16428566
15. **Carvalho B**, Wang P, Cohen SE. A survey of labor patient-controlled epidural anesthesia practice in California hospitals. *Int J Obstet Anesth.* 2006 Jul;15(3):217-222. PMID: 16798447
16. **Carvalho B**, Chu L, Fuller A, Cohen SE, Riley ET. Valdecoxib for postoperative pain management after cesarean delivery: A randomized, double-blind, placebo-controlled study. *Anesth Analg.* 2006 Sep;103(3):664-670. PMID: 16931678
17. **Carvalho B**, Angst MS, Fuller AJ, Lin E, Mathusamy AD, Riley ET. Experimental heat pain for detecting pregnancy-induced analgesia in humans. *Anesth Analg.* 2006 Nov;103(5):1283-1287. PMID: 17056970

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19. **Carvalho B**, Fuller A, Brummel C, Cohen SE. Local infiltration of epinephrine-containing lidocaine with bicarbonate reduces superficial bleeding and pain during labor epidural catheter insertion: a randomized trial. *Int J Obstet Anesth*. 2007 Apr;16(2):116-121. PMID: 17276670
20. Butwick AJ, **Carvalho B**. Neuraxial anesthesia for cesarean delivery in a parturient with type 1 von Willebrand disease and scoliosis. *J Clin Anesth*. 2007 May;19(3):230-233. PMID: 17531735
21. **Carvalho B**, Roland LM, Chu LF, Campitelli VA 3rd, Riley ET. Single-dose, extended-release epidural morphine (DepoDur) compared to conventional epidural morphine for post-cesarean pain. *Anesth Analg*. 2007 Jul;105(1):176-183. PMID: 17578973
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25. Cohen SE, Andes LC, **Carvalho B**. Assessment of Knowledge Regarding Cardiopulmonary Resuscitation of Pregnant Women. *Int J Obstet Anesth*. 2008 Jan;17(1):20-25. PMID: 18162200
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- 2008 Sep 30;139(1):15-27. PMID: 18396374,  
<https://doi.org/10.1016/j.pain.2008.02.028>
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44. Abir G, **Carvalho B**. Anesthesia for Non-delivery Obstetric Procedures UpToDate Review July 2021 <https://www.uptodate.com/contents/anesthesia-for-nondelivery-obstetric-procedures>
45. **Carvalho B**, Zakowski M. Obtaining Excellence in Obstetric Anesthesia. CSA Bulletin July 2021 <https://csahq.org/news/blog/detail/csa-online-first/2021/07/26/obtaining-excellence-in-obstetric-anesthesia>
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47. Padilla C, Abir G, Zakowski M, **Carvalho B**. How AI Could Help Doctors Reduce Maternal Mortality. Harvard Business Review 2021 <https://hbr.org/2021/08/how-ai-could-help-doctors-reduce-maternal-mortality?>
48. Sultan P, **Carvalho B**. Evidence-based guidance for use of intrathecal morphine as an alternative to diamorphine for Caesarean delivery analgesia. Br J Anaesth. 2021 Oct;127(4):501-505. PMID: 34362559. <https://doi.org/10.1016/j.bja.2021.06.023>. Epub 2021 Aug 03
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50. SOAP/ACOG Minimum Care Standards for Anesthesiology Services by Level of Maternal Care: White Paper
51. Statement on Quality Metrics: American Society of Anesthesiologists (ASA) Committee on Obstetric Anesthesia <https://www.asahq.org/standards-and-guidelines/statement-on-quality-metrics>
52. Sutton C, **Carvalho B**. Post-cesarean delivery analgesia UpToDate Review January 2023 <https://www.uptodate.com/contents/post-cesarean-delivery-analgesia/>
53. WHO recommendations on the assessment of postpartum blood loss and use of a treatment bundle for postpartum haemorrhage. External Review Group (ERG) Member <https://www.who.int/publications/i/item/9789240085398>
54. Habib AS, Gadsden J, **Carvalho B**. Liposomal Bupivacaine for Abdominal Fascial Plane Blocks: No Evidence or Lack of Relevant Evidence?. Anesthesiology. 2024 May 1;140(5):871-873. PMID: 38592357. <https://doi.org/10.1097/ALN.0000000000004933>
55. Dyer RA, **Carvalho B**, Blockman M, Pfister C. Adrenaline or noradrenaline for spinal hypotension during caesarean section – beware; the cure may be worse than the disease. South Afr J Anaesth Analg. 2024;30(4):100-102

56. AIM Revised SMM Review form. <https://saferbirth.org/aim-resources/implementation-resources/>

**Digital Publications: (1 Total)**

1. California Society of Anesthesiologists (CSA) Podcast Vital Times: SOAP Centers of Excellence Designation

**J. Invited Presentations and Workshops (433 Total)**

**Local presentations: (61 Total)**

***Grand Rounds: (10 Total)***

1. 7/2011 Prevention and Management of High Spinal Block for Cesarean Delivery  
Grand Rounds Presentation, Stanford University, Stanford
2. 1/2013 Strategies to optimize cesarean analgesia  
Stanford University Obstetric Department Grand Rounds
3. 11/2016 Cesarean Delivery Pain Management: Past, Present and Future  
Grands Rounds, Stanford University
4. 4/2017 Point of Care Neuraxial and Gastric Ultrasound for the Anesthesiologist  
Annual Honorary Sheila Cohen Lectureship, Anesthesia Grand Rounds, Stanford
5. 6/2017 Cesarean Delivery Pain Management: Opioid-sparing Strategies  
Obstetric Grands Rounds, Stanford University
6. 12/2018 Labor Analgesia Management  
Grand Rounds: Department of Obstetrics and Gynecology, Stanford University
7. 9/2019 Changing Opioid Prescription Patterns After Vaginal and Cesarean Delivery  
Grand Rounds Obstetrics and MFM, Stanford University
8. 6/2020 Patient-Selected and Personalized Postoperative Pain Management  
Grand Rounds (Virtual), Stanford University, Department of Anesthesiology

9. 2/2024 Optimizing and Personalizing Post Cesarean Deliver Pain Management  
Department of Obstetrics and Gynecology, Stanford
10. 7/2024 Faculty Leadership Development Resources & Opportunities  
Department of Anesthesiology, Perioperative and Pain Medicine, Stanford

**Speaker: (41 Total)**

1. 6/2004 Obstetric Anesthesia Refresher Lecture  
Stanford University Resident's Refresher Course, Stanford
2. 6/2007 Obstetric Anesthesia Hot Topics  
Stanford University Resident's Refresher Course, Stanford
3. 8/2007 Pain Management for Labor and Delivery in the 21st Century  
Womens' Health Medical Forum, Stanford University
4. 6/2010 Obstetric Anesthesia Key Points  
Stanford University Resident's Refresher Course, Stanford
5. 6/2012 Key Obstetric Anesthesia Topics for the Boards  
Stanford University Resident's Refresher Course, Stanford
6. 2013 Labor analgesia: Why we do what we do  
OB Resident Lecture Series 2013: Program Coordinator and Speaker
7. 6/2013 Key Obstetric Anesthesia Topics for the Boards  
Stanford University Resident's Refresher Course, Stanford
8. 6/2014 Key Obstetric Anesthesia Topics for the Boards  
Stanford University Resident's Refresher Course, Stanford
9. 6/2015 Key Obstetric Anesthesia Topics for the Boards  
Stanford University Resident's Refresher Course, Stanford,
10. 4/2016 Pregnancy, Birth, and Infancy: Anesthesia Provider Role  
OBGYN 282: Medical Students lecture series, Stanford University
11. 4/2017 Key Obstetric Anesthesia Topics for the Boards  
Stanford University Resident's Refresher Course, Stanford
12. 5/2017 Pregnancy, Birth, and Infancy: Anesthesia Provider Role  
OBGYN 282: Medical Students lecture series, Stanford University
13. 7/2017-8/2017 Cesarean Delivery Pain Management  
Nursing Professional Development, Stanford University

14. 7/2017-8/2017 Postpartum Hemorrhage Recognition and Management  
Nursing Professional Development, Stanford University
15. 4/2019 Key Obstetric Anesthesia Topics for the Boards  
Stanford University Resident's OSCE and Refresher Course,  
Stanford
16. 7/2020 Labor Analgesia Management  
Department of Obstetrics and Gynecology (Virtual), Stanford  
University
17. 10/2020 Postpartum Hemorrhage Review  
Stanford University MSD Faculty covering OB Anesthesia
18. 4/2021 Key Obstetric Anesthesia Topics for the Boards  
Stanford University Resident's Refresher Course, Stanford,
19. 6/2021 Speaker and moderator: How to present masterfully  
Anesthesia Mentorship Program (AMP) Lecture series,  
Stanford
20. 9/2021 Central Neuraxial and Peripheral Nerve Anatomy  
Regional Anesthesia Fellowship Lecture Series, Stanford
21. 4/2022 Key Obstetric Anesthesia Topics for the Boards  
Stanford University Resident's Refresher Course, Stanford
22. 6/2022 Key Obstetric Anesthesia Topics for the Boards  
Stanford University Resident's OSCE and Refresher Course,  
Stanford
23. 6/2022 Welcome and Faculty Development Opportunities  
Stanford Enhanced Early Development (SEED) Orientation  
Program, Stanford
24. 7/2022 Epidurals and Labor Pain Management  
Obstetric Anesthesia Lecture Series, Stanford
25. 8/2022 Faculty Development Opportunities  
Resident and Fellow Recruitment Program, Stanford
26. 9/2022 How to be a great mentor  
AMP Lecture Series, Stanford
27. 10/2022 Central Neuraxial and Peripheral Nerve Anatomy  
Regional Anesthesia Fellowship Lecture Series, Stanford
28. 2/2023 Epidural Labor Analgesia Refresher for MSD Faculty covering  
OB Anesthesia  
Department of Anesthesiology, Perioperative and Pain  
Medicine, Stanford

29. 3/2023 Epidurals and Labor Pain Management: CA 1 Lecture  
Department of Anesthesiology, Perioperative and Pain  
Medicine, Stanford
30. 4/2023 Key Obstetric Anesthesia Topics for the Boards  
Stanford University Resident's Refresher Course, Stanford
31. 5/2023 Annual Review Workshop  
AMP Lecture Series, Stanford
32. 7/2023 Postpartum (cesarean and vaginal delivery) pain management  
Department of Obstetrics and Gynecology, Stanford
33. 10/2023 Faculty development and career opportunities at Stanford  
Department of Anesthesiology, Perioperative and Pain  
Medicine, Stanford
34. 2/2024 Obstetric Pain Management: SAME Podcast  
Stanford School of Medicine
35. 3/2024 Epidurals and Labor Pain Management: Resident Lecture  
Series  
Department of Anesthesiology, Perioperative and Pain  
Medicine, Stanford
36. 4/2024 Key Obstetric Anesthesia Topics for the Boards  
Stanford University Resident's Refresher Course, Stanford
37. 6/2024 Neuraxial techniques and optimal local  
anesthetics/opioid/adjunct selection  
Department of Anesthesiology, Perioperative and Pain  
Medicine, Stanford
38. 2/2025 Cesarean Anesthesia and Analgesia: Fellow Lecture Series  
Department of Anesthesiology, Perioperative and Pain  
Medicine, Stanford
39. 3/2025 Epidural and Labor Pain Management: CA 1 Education Day  
Department of Anesthesiology, Perioperative and Pain  
Medicine, Stanford
40. 4/2025 Faculty Development Resources & Opportunities: SEED  
Lecture Series  
Department of Anesthesiology, Perioperative and Pain  
Medicine, Stanford
41. 9/2025 Postpartum (cesarean and vaginal delivery) pain management  
Department of Obstetrics and Gynecology, Stanford

***Moderator: (2 Total)***

1. 1/2022- Regional Anesthesia Fellow Journal Club  
Department of Anesthesiology, Perioperative and Pain  
Medicine, Stanford
2. 10/2023- OB Anesthesia Fellow Journal Club  
Department of Anesthesiology, Perioperative and Pain  
Medicine, Stanford

***Workshop: (8 Total)***

1. 10/2004 Regional Anesthesia Workshop  
Stanford University Resident's Regional Anesthesia Workshop,  
Stanford
2. 10/2005 Regional Anesthesia Workshop  
Stanford University Resident's Regional Anesthesia Workshop,  
Stanford
3. 10/2007 Regional Anesthesia Workshop  
Stanford University Resident's Regional Anesthesia Workshop,  
Stanford
4. 9/2008 Regional Anesthesia Workshop  
Stanford University Resident's Regional Anesthesia Workshop,  
Stanford
5. 10/2009 Regional Anesthesia Workshop  
Stanford University Resident's Regional Anesthesia Workshop,  
Stanford
6. 11/2011 Regional Anesthesia Workshop  
Stanford University CME Regional Anesthesia Workshop,  
Stanford
7. 3/2013 Regional Anesthesia Workshop  
Stanford University Resident's Regional Anesthesia Workshop,  
Stanford
8. 4/2017 Neuraxial Ultrasound  
Stanford University Resident's Regional Anesthesia Workshop,  
Stanford

**Regional presentations: (8 Total)**

***Grand Rounds: (6 Total)***

1. 3/2006 Grand Rounds: Non-obstetric surgery during pregnancy  
Santa Teresa Hospital, San Jose, California

2. 11/2006 Grand Rounds: Advances in Labor and Cesarean Analgesia  
Santa Teresa Hospital, San Jose, California
3. 3/2009 Pain Management for Labor and Delivery in the 21st Century  
St. Rose Hospital Grand Rounds, Hayward, California
4. 5/2009 Optimizing Labor and Cesarean Analgesia  
UC Davis, California
5. 2/2014 Grand Rounds: Optimizing Labor Analgesia  
Highland Hospital, California
6. 2/2024 Post Cesarean Deliver Analgesia: Optimizing and  
Personalizing the Management  
Santa Clara Valley Medical Center

***Speaker: (2 Total)***

1. 7/2012 Defining a “Successful” Academic Career and Achieving It:  
Starting a Research Career  
Faculty Development Retreat, VA Palo Alto Health Care  
System, Palo Alto
2. 2/2024 SOAP Centers of Excellence for Anesthesia Care of Obstetric  
Patients  
MPOG Obstetric Anesthesia

**National presentations: (192 Total)**

***Visiting Professorship: (13 Total)***

1. 3/2009 Grand Rounds: Optimising Post Cesarean Section Analgesia  
University of California San Diego (UCSD)
2. 4/2009 Grand Rounds: Optimising Postoperative Pain Management  
University of Washington Medical Center, Seattle
3. 12/2009 Past, present and future of Cesarean Delivery Pain  
Managment  
Beth Israel Deaconess Medical Center, Boston
4. 3/2010 Respiratory Depression after Neuraxial Opioids in the Obstetric  
Setting  
University of New Mexico, Albuquerque
5. 1/2011 Grand Rounds: Optimizing Post-Cesarean Delivery Pain  
University of British Columbia, Vancouver, Canada
6. 9/2014 Post-Cesarean Delivery Pain Management: Past, Present and  
Future

- Robert Abraham Endowed Annual Lecture and Visiting Professor, Johns Hopkins University
7. 11/2014 Cesarean Delivery Pain Management: Past, Present and Future: Grand Rounds  
University of Virginia (UVA)
  8. 9/2016 Grand Rounds: Cesarean Delivery Pain Management: Past, Present and Future  
Duke University
  9. 6/2017 Postoperative Pain Management: Past, Present and Future  
Massachusetts General Hospital
  10. 3/2018 Duffy Lecture: Perioperative Pain Management: Past, Present and Future  
UT Southwestern, Texas
  11. 4/2018 Surgical Pain Management: Past, Present and Future  
Wake Forest University
  12. 1/2020 Personalized Cesarean Delivery Pain Management: Visiting Professor  
SUNY Downstate Medical Center
  13. 3/2020 Personalized Postoperative Pain Management: Visiting Professor and Speaker  
Washington University, St Louis

**Grand Rounds: (5 Total)**

1. 6/2019 Neuraxial Techniques to Optimize Labor Analgesia  
Virtual Grand Rounds Webinar SOAP and Open Anesthesia
2. 1/2021 Evidence-based Strategies to Optimize Post-Cesarean Delivery Analgesia  
UPMC Grand Rounds, University of Pittsburgh
3. 6/2021 Personalizing Postoperative Pain Management  
13th Annual Dr. Harry and Mitzie P. Cohen Lectureship in Obstetrics and Anesthesiology Department of Anesthesiology, Northwestern Memorial Hospital, Chicago
4. 9/2023 Standardized cesarean delivery analgesic protocols in an era of personalize patient-centered care  
UTMB, Galveston
5. 9/2023 Standardized enhanced recovery after cesarean delivery protocols in an era of personalize patient-centered care: Ezzat Abouleish Endowed Lectureship  
University of Texas Health Science Center, Memorial Hermann Hospital, Houston

**Speaker: (142 Total)**

1. 2/2002 New Options: Management of Post Cesarean Pain  
Texas Anesthesia Conference for Obstetrics (TACO) Meeting,  
Houston, Texas
2. 2/2002 Systemic Opioids: Is There a Place for Remifentanil PCA in  
Current Obstetric Practice?  
Texas Anesthesia Conference for Obstetrics (TACO) Meeting,  
Houston, Texas
3. 2/2002 Ultra-low PCEA for Labor Analgesia  
Texas Anesthesia Conference for Obstetrics (TACO) Meeting,  
Houston, Texas
4. 2/2004 Spinal Cocktails for Cesarean Section: Which Drugs and How  
Much?  
Texas Anesthesia Conference for Obstetrics (TACO) Meeting,  
Houston, Texas
5. 3/2004 Post Cesarean Section Analgesia: Breastfeeding  
Considerations  
The Sol Shnider Obstetric Anesthesia Meeting, San Francisco
6. 3/2004 Spinal Cocktails for Cesarean Section: Which Drugs and How  
Much?  
Sol Shnider Obstetric Anesthesia Meeting, San Francisco
7. 5/2004 "Breakfast with the Experts" Case Discussion  
Society for Obstetric Anesthesia and Perinatology (SOAP)  
Annual Scientific Meeting, Florida
8. 3/2005 Long-acting neuraxial opioids for labor and post-cesarean  
analgesia  
Texas Anesthesia Conference for Obstetrics (TACO) Meeting,  
Houston
9. 3/2006 Non-obstetric surgery during pregnancy: Review course lecture  
International Anesthesia Research Society (IARS) Clinical and  
Scientific Conference, San Francisco
10. 3/2006 SOAP session: Panel on the management of high risk patients  
in obstetrics  
International Anesthesia Research Society (IARS) Clinical and  
Scientific Conference, San Francisco
11. 4/2006 Cardiac disease in the pregnant patient (Expert panel on  
pregnancy and coexisting diseases)  
Society for Obstetric Anesthesia and Perinatology (SOAP)  
Annual Scientific Meeting, Miami

12. 10/2006 Peripartum cardiomyopathy and HIV in the pregnant patient (Clinical Forum Panel)  
American Society of Anesthesiologists (ASA) Annual Scientific Meeting, Chicago
13. 3/2007 New Options for Post Cesarean Delivery Analgesia  
The Sol Shnider Obstetrical Anesthesia Meeting, San Francisco
14. 3/2007 New options to optimize postcesarean analgesia  
Stanford University / MCW Anesthesia Update Meeting, Colorado
15. 3/2007 Patient-controlled epidural analgesia for labor analgesia: Good medicine or good marketing?  
Stanford University / MCW Anesthesia Update Meeting, Colorado
16. 3/2007 PCEA: The Time Has Come  
Sol Shnider Obstetrical Anesthesia Meeting, San Francisco
17. 5/2007 "Breakfast with the Experts" Case Discussion  
Society for Obstetric Anesthesia and Perinatology (SOAP) Annual Scientific Meeting, Banff
18. 10/2007 SOAP Breakfast Panel: Obstetric Anesthesia: Lessons Learned From the Past  
American Society of Anesthesiologists (ASA) Annual Scientific Meeting, San Francisco
19. 3/2008 Is Fluid Preloading Necessary Prior to Neuraxial Anesthesia  
Texas Anesthesia Conference for Obstetrics (TACO) Meeting, Houston, Texas
20. 3/2008 Optimizing Post Cesarean Delivery Analgesia  
Texas Anesthesia Conference for Obstetrics (TACO) Meeting, Houston, Texas
21. 3/2008 SOAP Panel: Optimizing Post Cesarean Delivery Analgesia  
International Anesthesia Research Society (IARS) Clinical and Scientific Conference, San Francisco
22. 5/2008 Advances in Obstetric Anesthesia and Analgesia  
Californian Society of Anesthesiology (CSA) Annual Meeting, Los Angeles
23. 5/2008 Non-obstetric surgery during pregnancy  
Californian Society of Anesthesiology (CSA) Annual Meeting, Los Angeles
24. 5/2009 Minimizing Risks with Neuraxial Techniques: Respiratory Depression Following Neuraxial Opioids

- Society for Obstetric Anesthesia and Perinatology (SOAP)  
Annual Scientific Meeting, Washington DC
25. 8/2009 Failed Epidural Top-Up for Cesarean Delivery in a Patient with an Existing Labor Epidural  
20th Annual UC Davis Anesthesiology Update, Napa, CA
  26. 8/2009 Preventing Hypotension During Cesarean Delivery Under Spinal Anesthesia  
20th Annual UC Davis Anesthesiology Update, Napa, CA
  27. 11/2009 Evidence-based Approach to the Prevention of Spinal Hypotension During Cesarean Delivery  
15th Annual Advances in Physiology and Pharmacology in Anesthesia and Critical Care Wake Forest University School of Medicine, Winston-Salem, NC
  28. 11/2009 Managing the pregnant patient with cardiac disease  
California Society of Anesthesiologists' Fall Seminar, Kauai, Hawaii
  29. 11/2009 New options to optimize labor and cesarean delivery analgesia  
California Society of Anesthesiologists' Fall Seminar, Kauai, Hawaii
  30. 11/2009 Non-obstetric surgery and anesthesia during pregnancy  
California Society of Anesthesiologists' Fall Seminar, Kauai, Hawaii
  31. 11/2009 Optimizing Labor Analgesia with Patient-Controlled Epidural Analgesia  
15th Annual Advances in Physiology and Pharmacology in Anesthesia and Critical Care Wake Forest University School of Medicine, Winston-Salem, NC
  32. 11/2009 Prevention and treatment of spinal hypotension during cesarean delivery  
California Society of Anesthesiologists' Fall Seminar, Kauai, Hawaii
  33. 12/2009 The role of ultrasound in obstetric anesthesia  
Invited Presentation: Brigham and Women's Hospital, Boston
  34. 3/2010 Postoperative Analgesia: New Options  
Sol Shnider Obstetric Anesthesia Meeting, San Francisco
  35. 3/2010 Respiratory Depression after Neuraxial Opioids  
Sol Shnider Obstetric Anesthesia Meeting, San Francisco
  36. 3/2010 Spinal Anesthesia for Cesarean Delivery: Evidence Based Prevention of Hypotension  
Sol Shnider Obstetric Anesthesia Meeting, San Francisco

37. 4/2010 Strategies to Optimize Analgesia for Labor  
Kaiser Permanente Annual Anesthesiology Symposium, San Francisco
38. 10/2010 Labor Analgesia: Strategies to Optimize Maternal and Fetus Outcomes  
California Society of Anesthesiologists' Fall Seminar, Kona, Hawaii
39. 10/2010 Managing the pregnant patient with cardiac disease  
California Society of Anesthesiologists' Fall Seminar, Kona, Hawaii
40. 10/2010 Non-obstetric surgery and anesthesia during pregnancy  
California Society of Anesthesiologists' Fall Seminar, Kona, Hawaii
41. 10/2010 Point-Counterpoint Debate: Phenylephrine should replace ephedrine for the routine treatment of post-spinal hypotension in obstetric anesthesia  
American Society of Anesthesiologists (ASA) Scientific Meeting, San Diego
42. 10/2010 Providing the Ideal Cesarean Delivery Anesthetic  
California Society of Anesthesiologists' Fall Seminar, Kona, Hawaii
43. 3/2011 Obstetric Hemorrhage Panel: Management of Antepartum Hemorrhage  
Sol Shnider Obstetric Anesthesia Meeting, San Francisco
44. 3/2011 Predicting Pain and Analgesic Requirements Before Surgery  
Sol Shnider Obstetric Anesthesia Meeting, San Francisco
45. 5/2011 Failed Epidural For Unplanned Cesarean: Spinal Anesthetic (Pro/Con Debate)  
Society for Obstetric Anesthesia and Perinatology (SOAP) Annual Scientific Meeting, Lake Las Vegas, Nevada
46. 9/2011 An Evidence-Based Approach to Fluids and Vasopressors to Prevent and Treat Cesarean Delivery Spinal Hypotension  
Duke CME meeting, Laguna Beach California
47. 9/2011 Multimodal Analgesic Options to Minimize Post-Cesarean Pain  
Changing Practice of Anesthesia Conference, San Francisco
48. 9/2011 Non-obstetric Surgery and Anesthesia During Pregnancy  
Duke CME meeting, Laguna Beach California
49. 9/2011 Strategies to Optimize Post-Cesarean Delivery Analgesia  
Duke CME meeting, Laguna Beach California

50. 2/2012 Keynote Lecture: New Options to Optimize Labor and Cesarean Analgesia  
New Mexico Society of Anesthesiologists (NMSA) Annual Education Meeting, Albuquerque, New Mexico
51. 2/2012 PBLD: Failed Cesarean Blocks  
New Mexico Society of Anesthesiologists (NMSA) Annual Education Meeting, Albuquerque, New Mexico
52. 3/2012 Failed Epidural For Unplanned Cesarean: Spinal Anesthetic (Pro/Con Debate)  
Sol Shnider Obstetric Anesthesia Meeting, San Francisco
53. 3/2012 TAP Block and Lumbar Spine Ultrasound: Clinical Pearls  
Sol Shnider Obstetric Anesthesia Meeting, San Francisco, California
54. 11/2012 Anesthesia during pregnancy: optimizing maternal and fetal well-being  
California Society of Anesthesiologists' Fall Seminar, Kona, Hawaii
55. 11/2012 Keynote Speaker: Labor and Cesarean Delivery Analgesia Risk Management Symposium, John Muir Hospital Walnut Creek Campus, Walnut Creek, California
56. 11/2012 Morbid obesity in pregnancy: anesthetic challenges and management strategies  
California Society of Anesthesiologists' Fall Seminar, Kona, Hawaii
57. 11/2012 Prevention and treatment of spinal-induced hypotension during Cesarean delivery  
California Society of Anesthesiologists' Fall Seminar, Kona, Hawaii
58. 11/2012 Strategies to optimize labor analgesia, vaginal delivery, and fetal outcomes  
California Society of Anesthesiologists' Fall Seminar, Kona, Hawaii
59. 1/2013 Various topics covering Obstetric Anesthesia  
International Anesthesia Research Society (IARS)  
OpenAnesthesia.org Ask the Experts
60. 3/2013 CPR in Pregnancy  
Sol Shnider Obstetric Anesthesia Meeting, San Francisco, California
61. 3/2013 Neuraxial Techniques and Dosages to Provide Optimum Anesthesia for Cesarean Delivery

- Sol Shnider Obstetric Anesthesia Meeting, San Francisco, California
62. 3/2013 Post-operative Pain Management following Cesarean Delivery: State of the Art  
Sol Shnider Obstetric Anesthesia Meeting, San Francisco, California
  63. 5/2013 Acute Pain Medicine in Pregnant Patients  
American Society of Regional Anesthesia and Pain Medicine (ASRA) 38th Annual Meeting, Boston
  64. 5/2013 PBLD: Failed Regional Anesthetic For Cesarean Section: What Do I Do Now?  
American Society of Regional Anesthesia and Pain Medicine (ASRA) 38th Annual Meeting, Boston
  65. 5/2013 PBLD: Management of Post-Dural Puncture Headache  
American Society of Regional Anesthesia and Pain Medicine (ASRA) 38th Annual Meeting, Boston
  66. 5/2013 SOAP Panel Lecture: Analgesics in the Breast Feeding Parturient  
International Anesthesia Research Society (IARS) Clinical and Scientific Conference, San Diego
  67. 5/2013 Update on Labor and Post-Cesarean Analgesia  
American Society of Regional Anesthesia and Pain Medicine (ASRA) 38th Annual Meeting, Boston
  68. 10/2013 Refresher Course: Strategies to Optimize Post-Cesarean Delivery Analgesia  
American Society of Anesthesiologists (ASA) Scientific Meeting, San Francisco
  69. 10/2013 Role of Ultrasound Guidance and Echocardiography in Obstetric Anesthesia: Panel Speaker and Moderator  
American Society of Anesthesiologists (ASA) Scientific Meeting, San Francisco
  70. 1/2014 Strategies to Optimize Post-Cesarean Delivery Analgesia  
OpenAnesthesia OB Anesthesia Fellows' Webinar
  71. 3/2014 Postoperative Analgesia  
Sol Shnider Obstetric Anesthesia Meeting, San Francisco, California
  72. 3/2014 Ultrasound: An Essential Tool for the Obstetric Anesthesia Provider  
Sol Shnider Obstetric Anesthesia Meeting, San Francisco, California

73. 4/2014 PBLD: Non-Obstetric Surgery in the Pregnant or Breastfeeding Patient  
California Society of Anesthesiologists' Annual Meeting, San Francisco
74. 4/2014 The Role of Echocardiography in Peripartum Management  
California Society of Anesthesiologists' Annual Meeting, San Francisco
75. 5/2014 PBLD: Non-Obstetric Surgery During Pregnancy  
International Anesthesia Research Society (IARS) Scientific Conference, Montreal Canada
76. 5/2014 SOAP Panel Moderator and Speaker: Techniques and drugs to optimize labor analgesia  
International Anesthesia Research Society (IARS) Scientific Conference, Montreal Canada
77. 11/2014 Refresher Course: Strategies to Optimize Post-Cesarean Delivery Analgesia  
American Society of Anesthesiologists (ASA) Scientific Meeting, New Orleans
78. 11/2014 Technology to Assess Blood Loss and Hemodynamics During Obstetric Hemorrhage  
American Society of Anesthesiologists (ASA) Scientific Meeting, New Orleans
79. 3/2015 Prevention and treatment of spinal-induced hypotension during cesarean delivery  
Sol Shnider Obstetric Anesthesia Meeting, San Francisco, California
80. 4/2015 Management of the Morbidly Obese Parturient  
California Society of Anesthesiologists' Annual Meeting, San Francisco
81. 5/2015 Breakfast with the Experts Speaker  
Society for Obstetric Anesthesia and Perinatology Annual Meeting, Colorado
82. 10/2015 Refresher Course: Strategies to Optimize Post-Cesarean Delivery Analgesia  
American Society of Anesthesiologists (ASA) Scientific Meeting, San Diego
83. 11/2015 Advanced Intraoperative Management for Cesarean Delivery: From Local Anesthetics to Vasopressors  
California Society of Anesthesiologists' Fall Seminar, Kauai, Hawaii

84. 11/2015 Cutting-edge Analgesia Techniques to Optimize Labor Analgesia  
California Society of Anesthesiologists' Fall Seminar, Kauai, Hawaii
85. 11/2015 Strategies to Optimize Cesarean Delivery Analgesia in Breastfeeding Parturient  
California Society of Anesthesiologists' Fall Seminar, Kauai, Hawaii
86. 11/2015 Ultrasound Imaging for the Anesthesiologist: Vascular, Spine, Gastric, Heart, Lung and Beyond  
Program Chair, Faculty and Speaker: California Society of Anesthesiologists' Fall Seminar, Kauai, Hawaii
87. 3/2016 Cesarean Delivery Pain Management for the Breastfeeding Mother  
Sol Shnider Obsteric Anesthesia Meeting, San Francisco, California
88. 3/2016 Labor Analgesia: Modern Technology and Strategies to Enhance Maternal and Fetal Outcomes  
Sol Shnider Obsteric Anesthesia Meeting, San Francisco, California
89. 3/2016 Labor Analgesia: Modern Technology and Strategies to Enhance Maternal and Fetus Outcomes  
Duke CME meeting, Palm Springs, California
90. 3/2016 Management of the Morbid Obesity Parturient: Special Techniques and Drug Doses  
Duke CME meeting, Palm Springs, California
91. 3/2016 Pro/Con Debate: Spinal Anesthesia in the Morbidly Obese Primigravida  
Sol Shnider Obsteric Anesthesia Meeting, San Francisco, California
92. 3/2016 Strategies to Optimize Cesarean Delivery Anesthesia and Analgesia  
Duke CME meeting, Palm Springs, California
93. 4/2016 Keynote Speaker: Ultrasound Imaging for the Perioperative Physician  
2016 TPMG Annual Anesthesiology and POM Symposium, San Francisco
94. 4/2016 Management of Cardiac Arrest in the pregnant Patient (PBLD)  
California Society of Anesthesiologists (CSA) Annual Anesthesia Meeting, San Francisco

95. 4/2016 Modern Epidural Technology and Strategies to Enhance Maternal and Fetal Outcomes  
California Society of Anesthesiologists (CSA) Annual Anesthesia Meeting, San Francisco
96. 5/2016 Best Practice Panel Presenter  
Society for Obstetric Anesthesia and Perinatology Annual Meeting, Boston
97. 8/2016 Anesthetic Management Strategies for the Obesity in Pregnancy  
The Dannemiller Hawaiian Anesthesia Seminar, Kauai, Hawaii
98. 8/2016 Cesarean Delivery Analgesia Strategies in Breastfeeding Parturient  
The Dannemiller Hawaiian Anesthesia Seminar, Kauai, Hawaii
99. 8/2016 Cutting-Edge Techniques to Optimize Labor Analgesia  
The Dannemiller Hawaiian Anesthesia Seminar, Kauai, Hawaii
100. 8/2016 Prevention and Treatment of Cesarean Delivery Spinal Hypotension  
The Dannemiller Hawaiian Anesthesia Seminar, Kauai, Hawaii
101. 8/2016 Ultrasound for the Obstetric Anesthesiologist  
The Dannemiller Hawaiian Anesthesia Seminar, Kauai, Hawaii
102. 9/2016 Ultrasound imaging for the perioperative anesthesiologist.  
Duke University
103. 10/2016 High-Risk for the Non-Obstetric Anesthesiologists  
American Society of Anesthesiologists (ASA) Scientific Meeting, San Diego
104. 10/2016 Refresher Course: Strategies to Optimize Post-Cesarean Delivery Analgesia  
American Society of Anesthesiologists (ASA) Scientific Meeting, San Diego
105. 3/2017 Neuraxial Ultrasound: Time to Learn and Not Get Left Behind  
Sol Shnider Obstetric Anesthesia Meeting, San Francisco, California
106. 4/2017 Programmed Intermittent Epidural Boluses for Epidural Labor Analgesia Maintenance  
42nd Annual American Society of Regional Anesthesia and Pain Medicine Meeting, San Francisco
107. 9/2017 Patient-directed pain management after surgery  
Stanford Medicine X, Stanford University

108. 10/2017 Refresher Course: Strategies to Optimize Post-Cesarean Delivery Analgesia  
American Society of Anesthesiologists (ASA) Scientific Meeting, Boston
109. 3/2018 Neuraxial analgesia techniques to optimize analgesia and obstetric outcomes  
California Society of Anesthesiologists (CSA) Annual Anesthesia Meeting, Palm Springs
110. 3/2018 Preeclampsia: Role of Obstetric Anesthesiologist  
Sol Shnider Obstetric Anesthesia Meeting, San Francisco, California
111. 3/2018 Prescribing Analgesics to Breastfeeding Moms  
Sol Shnider Obstetric Anesthesia Meeting, San Francisco, California
112. 3/2018 Severe Pre-Eclamptic Patient: Anesthetic Management  
California Society of Anesthesiologists (CSA) Annual Anesthesia Meeting, Palm Springs
113. 3/2018 The Anesthesiologist's Role in Pre-Eclampsia Management  
UT Southwestern, Texas
114. 4/2018 Hypertensive Disorders of Pregnancy  
CCM Specialty Conference, Stanford
115. 4/2018 Journal Club: Enhanced recovery after Cesarean Delivery  
Wake Forest University
116. 4/2018 Pre-Eclampsia Management  
Wake Forest University
117. 5/2018 Gertie Marx Education Lecture: SOAP's 50th Anniversary Present Day  
Business Meeting President's Report  
Society for Obstetric Anesthesia and Perinatology Annual Meeting, Miami
118. 8/2018 Reducing Opioids in Post-Op Obstetrics  
EPIC UGM 2018 Meeting, Verona, WI
119. 10/2018 Maternal Cardiac Arrest: SOAP Consensus Statement Recommendations Panel  
American Society of Anesthesiologists (ASA) Scientific Meeting, San Francisco
120. 10/2018 Refresher Course: Strategies to Optimize Post-Cesarean Delivery Analgesia  
American Society of Anesthesiologists (ASA) Scientific Meeting, San Francisco

121. 3/2019      PIEB, CEI, PCEA: Is there an Optimal Labor Analgesic Maintenance Technique?  
Meeting Program Chair. Sol Shnider Obstetric Anesthesia Meeting, San Francisco, California
122. 5/2019      Accuro Handheld Spinal Navigation Device to Assist Neuraxial Anesthesia  
Society for Obstetric Anesthesia and Perinatology Annual Meeting, Phoenix
123. 5/2019      Attaining the Opioid-Free Cesarean Delivery: SOAP Panel Moderator and Speaker  
International Anesthesia Research Society (IARS) Scientific Conference, Montreal Canada
124. 5/2019      Changing Opioid Prescription Patterns After Cesarean Delivery  
International Anesthesia Research Society (IARS) Scientific Conference, Montreal Canada
125. 5/2019      Defining, Evaluating and Influencing Recovery After Cesarean Delivery: Moderator and Panel Speaker  
Society for Obstetric Anesthesia and Perinatology Annual Meeting, Phoenix
126. 5/2019      SOAP Centers of Excellence for Anesthesia Care of Obstetric Patients  
Society for Obstetric Anesthesia and Perinatology Annual Meeting, Phoenix
127. 5/2019      The Role of Truncal Blocks to Optimize Cesarean Delivery Analgesia  
Society for Obstetric Anesthesia and Perinatology Annual Meeting, Phoenix
128. 10/2019     Elevator Pitch: Best Articles in Obstetric Anesthesia from the Past Year  
American Society of Anesthesiologists (ASA) Scientific Meeting, Orlando
129. 10/2019     The Path to Excellence SOAP COE  
American Society of Anesthesiologists (ASA) Scientific Meeting, Orlando
130. 5/2020      Incorporating ultrasound for neuraxial block placement in mothers with difficult backs  
IARS 2020 Annual Meeting, San Francisco
131. 4/2021      Opioidfree Cesarean Delivery: Optimal Multimodal Analgesia and Prescribing Practices  
CSA Annual Meeting, San Diego

132. 7/2021 Centers of Excellence for Anesthesia Care of Obstetric Patients: Panel Moderator and Speaker  
SOAP Webinar
133. 2/2022 Obstetric Recovery  
AWHONN Annual Meeting, California
134. 7/2022 Anesthesia and analgesia for pregnant or breastfeeding women  
Meeting Program Chair. California Society of Anesthesiologists (CSA) Summer Conference 2022, Oahu, Hawaii
135. 7/2022 Enhanced Recovery and Analgesia after Cesarean Delivery: Evidence-based recommendations  
Meeting Program Chair. California Society of Anesthesiologists (CSA) Summer Conference 2022, Oahu, Hawaii
136. 7/2022 Labor Analgesia: Strategies to optimize analgesia and enhance obstetric and fetal outcomes  
Meeting Program Chair. California Society of Anesthesiologists (CSA) Summer Conference 2022, Oahu, Hawaii
137. 7/2022 Ultrasound-assisted neuraxial placement and management of obesity parturients  
Meeting Program Chair. California Society of Anesthesiologists (CSA) Summer Conference 2022, Oahu, Hawaii
138. 5/2023 SOAP Centers of Excellence Presentation  
SOAP 55th Annual Meeting, Chicago
139. 9/2024 SOAP COE Webinar  
Society for Obstetric Anesthesia and Perinatology (SOAP) Virtual
140. 10/2024 Pitfalls and Challenges in Enhanced Recovery after Cesarean  
American Society of Anesthesiology Annual Meeting, Philadelphia
141. 10/2024 SOAP Centers of Excellence for Anesthesia Care of Obstetric Patients  
American Society of Anesthesiology Annual Meeting, Philadelphia
142. 1/2025 Enhanced Recovery After Cesarean Delivery: The Why and How  
Obstetric Anesthesia Symposium. NYC Health Elmhurst, New York

***Moderator: (27 Total)***

1. 5/2008 General anesthesia is acceptable for elective cesarean section  
Society for Obstetric Anesthesia and Perinatology (SOAP)  
Annual Scientific Meeting, Chicago
2. 10/2008 Poster Discussion  
American Society of Anesthesiologists (ASA) Annual Scientific  
Meeting, Orlando
3. 10/2009 Poster Discussion  
American Society of Anesthesiologists (ASA) Annual Scientific  
Meeting, New Orleans
4. 5/2010 Pearls and Pitfalls Session; Resident and Medical Student  
Forum  
Society for Obstetric Anesthesia and Perinatology (SOAP)  
Annual Scientific Meeting, San Antonio Texas
5. 3/2014 Clinical Optimization and Resuscitation  
Sol Shnider Obstetric Anesthesia Meeting, San Francisco,  
California
6. 11/2014 Cutting-edge technologies and point-of-care devices to  
improve care of the obstetric patient  
American Society of Anesthesiologists (ASA) Scientific  
Meeting, New Orleans
7. 3/2015 Managing Your Practice  
Sol Shnider Obstetric Anesthesia Meeting, San Francisco,  
California
8. 10/2015 Labor and Delivery in the High-Risk Cardiac Patient  
American Society of Anesthesiologists (ASA) Scientific  
Meeting, San Diego
9. 10/2015 Title of Session: Cesarean Delivery Pain Management for the  
Breastfeeding Mother  
American Society of Anesthesiologists (ASA) Scientific  
Meeting, San Diego
10. 3/2016 Making the Most Out of Labor Analgesia  
Sol Shnider Obsteric Anesthesia Meeting, San Francisco,  
California
11. 5/2016 Scientific Poster Presentations  
Society for Obstetric Anesthesia and Perinatology Annual  
Meeting, Boston
12. 10/2016 Peripartum Surgical Home  
American Society of Anesthesiologists (ASA) Scientific  
Meeting, San Diego

13. 5/2017 Program and Scientific Chair; Session Moderator  
Society for Obstetric Anesthesia and Perinatology Annual Meeting, Bellevue
14. 10/2017 Programmed Intermittent Epidural Boluses for Epidural Labor Analgesia Maintenance  
American Society of Anesthesiologists (ASA) Scientific Meeting, Boston
15. 5/2018 Pro-Con Debate - Obstetric Patients Do Need Respiratory Monitoring After Neuraxial Morphine  
Society for Obstetric Anesthesia and Perinatology Annual Meeting, Miami
16. 10/2018 FAER Resident Scholar Posters  
American Society of Anesthesiologists (ASA) Scientific Meeting, San Francisco
17. 5/2019 Obstetric Hemorrhage Detection and Management Panel  
Society for Obstetric Anesthesia and Perinatology Annual Meeting, Phoenix
18. 5/2020 Controversies: Uterotonics and Tranexamic Acid  
SOAP 52nd Annual Meeting, Halifax, Canada
19. 10/2021 What's the Point of POCUS for the Anesthesiologist Covering L&D? Neuraxial Ultrasound  
American Society of Anesthesiologists Annual Scientific Meeting, San Diego
20. 5/2022 SOAP Centers of Excellence  
SOAP 54th Annual Meeting, Chicago
21. 10/2022 Regional Blocks for Cesarean Delivery: What, Why, How and Everything else you need to know  
Preventing/Rescuing Acute Pain after Cesarean Delivery  
American Society of Anesthesiologists (ASA) Annual Meeting, New Orleans
22. 5/2023 Oral Scientific Research Session  
SOAP 55th Annual Meeting, Chicago
23. 10/2023 Intrathecal opioids: 360-degree discussion  
American Society of Anesthesiologists (ASA) Annual Meeting, San Francisco
24. 10/2023 Summary of the latest recommendations from SOAP for optimal clinical obstetric anesthesiology management  
American Society of Anesthesiologists (ASA) Annual Meeting, San Francisco

25. 5/2024 Three Ps of Intrapartum Cesarean Deliveries  
SOAP 56th Annual Meeting, Denver
26. 10/2024 Standard Epidural vs. CSE vs. DPE: A three-way debate to determine the optimal labor epidural technique  
American Society of Anesthesiology Annual Meeting, Philadelphia
27. 5/2025 Wrangling the Experts: OB Anesthesia Legends Debate Approaches to Controversial Cases and Topics  
Society for Obstetric Anesthesia and Perinatology (SOAP) Annual Scientific Meeting, Portland

***Workshop: (5 Total)***

1. 4/2013 Transthoracic Echocardiography For The Obstetric Anesthesiologist Workshop  
Society for Obstetric Anesthesia and Perinatology Annual Meeting, San Juan, Puerto Rico
2. 5/2013 Truncal Blocks Workshop Instructor  
American Society of Regional Anesthesia and Pain Medicine (ASRA) 38th Annual Meeting, Boston
3. 5/2014 Transthoracic Echocardiography for the Obstetric Anesthesiologist Workshop  
Society for Obstetric Anesthesia and Perinatology Annual Meeting, Toronto, Canada
4. 5/2015 Transthoracic Echocardiography for the Obstetric Anesthesiologist Workshop  
Society for Obstetric Anesthesia and Perinatology Annual Meeting, Colorado
5. 4/2021 SOAP Center of Excellence Workshop  
CSA Annual Meeting, San Diego

**International presentations: (172 Total)**

***Visiting Professorship: (12 Total)***

1. 2/2010 Visiting Professor  
Al Wasl Hospital, Dubai, UAE
2. 12/2011 Visiting Professor and Presentation, TAP Block and Lumbar Spine Ultrasound  
Groote Schuur Hospital, Cape Town, South Africa

3. 2/2013 Visiting Professor and Presentation, Strategies to optimize cesarean delivery analgesia  
Perth, Australia
4. 2/2014 Anesthesia Department Presentation: Providing Optimal Cesarean Delivery Analgesia  
University of Witwatersrand, South Africa
5. 8/2017 Cutting-Edge Technology and Strategies to Optimize Epidural Labor Analgesia  
Zhengzhou Hospital, China
6. 2/2018 State-of-the-art Techniques to Ensure Optimal Epidural Labor Analgesia  
Asan Medical Center, Seoul, South Korea
7. 6/2018 Grand Rounds: Modern Techniques and Strategies to Optimize Epidural Labor Analgesia  
University of Leven, Leuven, Belgium
8. 6/2018 Management of Major Obstetric Hemorrhage  
University of Antwerp, Leuven, Belgium
9. 8/2019 Techniques to optimize labor epidural analgesia  
Beijing Obstetric Hospital, Beijing
10. 8/2019 The role of ultrasound to assist spinal and epidural placement  
Peking Union College Hospital, Beijing
11. 8/2019 The role of ultrasound to assist spinal and epidural placement  
Southern Medical University Shenzhen Hospital, Shenzhen
12. 8/2019 The role of ultrasound to assist spinal and epidural placement  
Zhongshan No.1 Hospital, Guangzhou

**Grand Rounds: (4 Total)**

1. 11/2017 Caesarean Delivery Anaesthesia: Update on Optimal Techniques  
Grand Rounds: Department of Anaesthesia, General Intensive Care and Pain Management, Medical University of Vienna, Austria
2. 7/2021 Ultrasound Guided Neuraxial Anesthesia: Evidence and Trends in the United States and Beyond  
Grand Rounds: Tokyo Women's Hospital, Japan
3. 1/2023 Ultrasound-Guided Neuraxial Anesthesia: Why and How  
University of Cape Town, South Africa

4. 11/2023 Obstetric Hemorrhage: Clinical Pearls for Optimal Management  
Rigshospitalet, Copenhagen, Denmark

**Speaker: (146 Total)**

1. 4/2005 Is there a place for remifentanyl in current obstetric anesthesia?  
Santa Joana Hospital Obstetric Anesthesia Meeting, Sao Paulo, Brazil
2. 4/2005 New options in the management of post-cesarean pain  
Santa Joana Hospital Obstetric Anesthesia Meeting, Sao Paulo, Brazil
3. 4/2005 Ultra-low PCEA for Labor Analgesia: Good medicine, good marketing or both?  
Santa Joana Hospital Obstetric Anesthesia Meeting, Sao Paulo, Brazil
4. 8/2006 Post-Cesarean Analgesia: Making a choice  
Joint Society for Obstetric Anesthesia and Perinatology (SOAP) and Obstetric Anaesthetists Association (OAA) Summer Update on Obstetric Anesthesia Meeting, Trinity College, Dublin, Ireland
5. 4/2007 Advances in Obstetric Anesthesia and Analgesia  
American Society of Regional Anesthesia and Pain Medicine (ASRA) 32nd Annual Meeting and Workshops, Vancouver, Canada
6. 4/2007 Choice of Neuraxial Anesthesia and Local Anesthetics in Parturient Undergoing Stat C-Section  
American Society of Regional Anesthesia and Pain Medicine (ASRA) 32nd Annual Meeting and Workshops, Vancouver, Canada
7. 6/2007 Cardiac Disease in the Pregnant Patient  
Canadian Anesthesiologists' Society Annual Meeting, Calgary, Canada
8. 6/2007 Optimizing Post Cesarean Delivery Analgesia  
Canadian Anesthesiologists' Society Annual Meeting, Calgary, Canada
9. 6/2007 PCEA for Labor Analgesia: Pro vs. Con Debate  
Canadian Anesthesiologists' Society Annual Meeting, Calgary, Canada

10. 11/2007 Patient-Controlled Epidural Analgesia for Labor Analgesia: Shouldn't Everyone Use It?  
The North of Anesthesia Meeting, Porto, Portugal
11. 11/2007 Post-Cesarean Analgesia: New Options to Optimize Pain Management  
The North of Anesthesia Meeting, Porto, Portugal
12. 3/2008 Patient controlled epidural analgesia (PCEA) - The gold standard?  
WCA Satellite Meeting: Obstetric Anaesthetists' Association (OAA) Refresher Course in Obstetric Anaesthesia, Cape Town, South Africa
13. 3/2008 Post Cesarean Delivery Analgesia  
World Congress of Anaesthesia (WCA) Meeting, Cape Town, South Africa
14. 9/2008 Cardiac Disease in the pregnant patient  
First National Conference on Obstetric Anesthesia (Association of Obstetric Anesthesiologists), Chennai, India
15. 9/2008 High Dose Vs Low Dose Bupivacaine for LSCS  
First National Conference on Obstetric Anesthesia (Association of Obstetric Anesthesiologists), Chennai, India
16. 11/2008 Optimizing Post Caesarean Section Analgesia  
Obstetric Anaesthetists Association (OAA) 3 Day Course, London, UK
17. 11/2008 Patient-Controlled Epidural Analgesia (PCEA) for Labour Analgesia  
Obstetric Anaesthetists Association (OAA) 3 Day Course, London, UK
18. 11/2008 Preventing Hypotension During Spinal Anaesthesia  
Obstetric Anaesthetists Association (OAA) 3 Day Course, London, UK
19. 1/2010 Analgesia for Labor: Strategies to Optimize Maternal and Fetus Outcomes  
Annual Wintersymposium Leuven, Belgium
20. 1/2010 Post-Cesarean Section Analgesia  
Annual Wintersymposium Leuven, Belgium
21. 2/2010 Optimizing Post-Cesarean Analgesia  
Invited Presentation: Combined Anaesthesia and Obstetric Academic Meeting, Groote Schuur Hospital, Cape Town, South Africa

22. 10/2010 New Options to Minimize Post-Cesarean Pain  
Australian Society of Anaesthetists, Melbourne, Australia,
23. 10/2010 Plenary Lecture: Predicting the mother and baby  
Australian Society of Anaesthetists, Melbourne, Australia
24. 10/2010 Spinal Hypotension Prevention During Cesarean Delivery: An  
evidence-based Approach  
Australian Society of Anaesthetists, Melbourne, Australia
25. 5/2011 Strategies to Optimize Labour Analgesia  
Combined Scientific Meeting of the Australia and New Zealand  
College of Anaesthetists (ANZCA) and Hong Kong College of  
Anaesthesiology, Hong Kong, China
26. 3/2012 Optimizing Analgesia After C-Section  
15th World Congress of Anaesthesiologists, Buenos Aires,  
Argentina
27. 9/2012 Free Communication Session: Accidental dural puncture  
KK Hospital Obstetric Symposium, Singapore
28. 9/2012 Managing the pregnant woman with cardiac disease  
KK Hospital Obstetric Symposium, Singapore
29. 9/2012 Morbid obesity in Pregnancy: anaesthetic challenges and  
dilemmas  
KK Hospital Obstetric Symposium, Singapore
30. 9/2012 Non-obstetric Surgery and Anesthesia During Pregnancy  
National Anaesthesia Training Program for Advanced  
Specialist Training, Singapore
31. 9/2012 Plenary Lecture: New techniques in anaesthesia for caesarean  
section  
KK Hospital Obstetric Symposium, Singapore,
32. 9/2012 Pro-Con debate: All Obese patients in labour should always  
receive an epidural catheter  
KK Hospital Obstetric Symposium, Singapore
33. 10/2012 Labor Analgesia: Strategies to Optimize Maternal and Fetus  
Outcomes  
Congress on Anesthesia in Obstetrics, Ho Chi Minh City,  
Vietnam
34. 10/2012 Prevention and Managing Failed Blocks for Cesarean Delivery  
Congress on Anesthesia in Obstetrics, Ho Chi Minh City,  
Vietnam

35. 10/2012 Resuscitation of the Pregnant Patient  
Congress on Anesthesia in Obstetrics, Ho Chi Minh City,  
Vietnam
36. 2/2013 Are we doing a good job in the management of post-CS pain?  
World Congress of Regional Anaesthesia and Pain Therapy,  
Sydney, Australia
37. 2/2013 Post CS and post VD analgesia in the breast feeding parturient  
Combined OASAO-SOAP Symposium, Sydney, Australia
38. 4/2013 Anesthetic Management Strategies for the Morbidly Obese  
Pregnancy Patient  
Santa Joana Hospital Obstetric Anesthesia Meeting, Sao  
Paulo, Brazil
39. 4/2013 Post-Cesarean Analgesia in the Breast Feeding Parturient  
Santa Joana Hospital Obstetric Anesthesia Meeting, Sao  
Paulo, Brazil
40. 4/2013 Ultrasound for the Obstetric Anesthesiologist  
Santa Joana Hospital Obstetric Anesthesia Meeting, Sao  
Paulo, Brazil
41. 10/2013 Morbid Obesity in Pregnancy: Anesthetic Challenges and  
Management Strategies  
17th Annual Alexandria Anaesthesia and Intensive Care  
Conference, Alexandrina, Egypt
42. 10/2013 New Techniques to Provide Ideal Cesarean Anesthesia and  
Analgesia  
17th Annual Alexandria Anaesthesia and Intensive Care  
Conference, Alexandrina, Egypt
43. 10/2013 Strategies to Optimize Labor Analgesia  
17th Annual Alexandria Anaesthesia and Intensive Care  
Conference, Alexandrina, Egypt
44. 10/2013 Ultrasound for the Obstetric Anesthesiologist  
17th Annual Alexandria Anaesthesia and Intensive Care  
Conference, Alexandrina, Egypt
45. 2/2014 Obstetric Department Presentation: Labor Analgesia:  
Strategies to Enhance Maternal and Fetus Outcomes  
University of Witwatersrand, South Africa
46. 5/2014 Most influential papers of the past 10 years  
Obstetric Anaesthetists Association (OAA) Annual Meeting,  
Dublin Ireland, UK
47. 5/2014 Plenary Bruce Scott lecture: The customer is always right:  
Understanding our role in the obstetric pain experience

- Obstetric Anaesthetists Association (OAA) Annual Meeting,  
Dublin Ireland, UK
48. 5/2014 Transthoracic echocardiography: An essential tool for the  
obstetric anaesthetist?  
Obstetric Anaesthetists Association (OAA) Annual Meeting,  
Dublin Ireland, UK
  49. 11/2014 Placental perfusion and the anesthetist  
World Congress of Regional Anaesthesia and Pain Therapy,  
Cape Town, South Africa
  50. 2/2015 Post-Cesarean Section Analgesia  
Annual Wintersymposium, Leuven, Belgium
  51. 6/2015 Pregnant Patient Resuscitation: Simulation and Operational  
Reality  
2nd Latin America Symposium on OB Anesthesia, Cali,  
Colombia
  52. 6/2015 Ultrasound and Transthoracic Echocardiography: An Essential  
Tool for the Obstetric Anesthesia Provider?  
2nd Latin America Symposium on OB Anesthesia, Cali,  
Colombia,
  53. 2/2016 Refresher Course Lecture: Obstetric Anesthesia in the Obese  
Patient  
IndoAnesthesia 2016, Jakarta, Indonesia
  54. 2/2016 Symposium Lecture: Strategies to Optimize Cesarean Delivery  
Analgesia in Breastfeeding Parturient  
IndoAnesthesia 2016, Jakarta, Indonesia
  55. 6/2016 Refresher course: Strategies to Optimize Cesarean Section  
Analgesia in Breastfeeding Parturient  
Canadian Anesthesiologists' Society Annual Meeting,  
Vancouver, Canada
  56. 6/2016 Symposium/Debate Panel: When HELLP Arrives: Managing  
Complications of Hypertensive Disorders of Pregnancy  
Canadian Anesthesiologists' Society Annual Meeting,  
Vancouver, Canada
  57. 10/2016 Modern epidural techniques to enhance labor analgesic  
efficacy.  
20th Alexandria Anaesthesia and Intensive Care Conference,  
Alexandrina, Egypt
  58. 10/2016 Morbid obesity parturient, neuraxial techniques and drug dose.  
20th Alexandria Anaesthesia and Intensive Care Conference,  
Alexandrina, Egypt

59. 10/2016 Strategies to optimize cesarean delivery analgesia in breast feeding parturient.  
20th Alexandria Anaesthesia and Intensive Care Conference, Alexandrina, Egypt
60. 10/2016 Ultrasound imaging for the perioperative anesthesiologist.  
20th Alexandria Anaesthesia and Intensive Care Conference, Alexandrina, Egypt
61. 2/2017 Cutting-edge techniques to optimize labor epidural analgesia maintenance  
1st World Congress of Anesthesia for Obstetrics, Bali
62. 2/2017 Patient-centered, individualized analgesic treatment protocols for cesarean delivery  
1st World Congress of Anesthesia for Obstetrics, Bali
63. 4/2017 Cesarean Delivery Pain Management for the Breastfeeding Mother  
4th Annual Meeting of Japanese Society of Regional Anesthesia, Nagoya, Japan
64. 4/2017 Modern Technology and Strategies to Optimize Epidural Labor Analgesia  
4th Annual Meeting of Japanese Society of Regional Anesthesia, Nagoya, Japan
65. 4/2017 Programmed Intermittent Epidural Boluses (PIEB) for Labor Analgesia  
Japanese Smiths Medical Presentation, Tokyo, Japan
66. 8/2017 Cutting-Edge Technology and Strategies to Optimize Epidural Labor Analgesia  
11th Annual Obstetric Anesthesia Conference, Xinxiang City, China
67. 8/2017 Neuraxial Ultrasound: You really should be using it!  
Edinburgh Anaesthesia Festival, Edinburgh, Scotland
68. 8/2017 Optimal Pain Management after Caesarean Delivery  
Edinburgh Anaesthesia Festival, Edinburgh, Scotland
69. 8/2017 Update on Labour Analgesia  
Edinburgh Anaesthesia Festival, Edinburgh, Scotland
70. 11/2017 Morbid obesity parturient: Optimal neuraxial techniques and drug dosages  
Austrian Society of Anesthesia National Meeting, Vienna, Austria

71. 11/2017 Neuraxial Blocks with Ultrasound For the Difficult or for All?  
24th International Congress of the Israeli Society of  
Anesthesiology and Critical Care, Tel Aviv, Israel
72. 11/2017 Optimizing Cesarean Delivery Pain Management in  
Breastfeeding Mothers  
24th International Congress of the Israeli Society of  
Anesthesiology and Critical Care, Tel Aviv, Israel
73. 11/2017 Programmed Intermittent Epidural Boluses (PIEB) for Labor  
Analgesia  
24th International Congress of the Israeli Society of  
Anesthesiology and Critical Care, Tel Aviv, Israel
74. 2/2018 Latest Techniques to Facilitate Labor Analgesia  
IndoAnesthesia 2018, Jakarta, Indonesia
75. 2/2018 Neuraxial Ultrasound: An Essential Tool to Optimize Care  
IndoAnesthesia 2018, Jakarta, Indonesia
76. 5/2018 Oxytocin and Beyond: An evidence-based approach to  
pharmacological treatment of uterine atony  
Obstetric Anaesthetists' Association Annual Scientific Meeting,  
Belfast
77. 6/2018 Analgesia for labour and postcaesarean delivery  
ESA Euroanaesthesia 2018, Copenhagen, Denmark
78. 6/2018 Labor Analgesia: Modern Technology and Strategies to  
Enhance Maternal Outcomes  
Ganga Anaesthesia Refresher Course, Coimbatore, India
79. 6/2018 Management of Major Obstetric Hemorrhage  
University of Leven, Leuven, Belgium
80. 6/2018 Profound hypotension after spinal anesthesia for cesarean  
delivery  
University of Leven, Leuven, Belgium
81. 6/2018 Ultrasound-assisted Neuraxial Placement: Why and How?  
Ganga Anaesthesia Refresher Course, Coimbatore, India
82. 8/2018 Neuraxial Ultrasound: An Essential Tool to Optimize Obstetric  
Anesthesia Care  
12th National High-Risk Obstetric Analgesia and Anesthesia  
Symposium, Beijing, China
83. 9/2018 Epidural-related maternal fever (ERMF)  
European Society of Regional Anesthesia (ESRA) Annual  
Congress, Dublin, Ireland

84. 9/2018 Labor analgesia: Non-pharmacological methods  
European Society of Regional Anesthesia (ESRA) Annual Congress, Dublin, Ireland
85. 9/2018 PBLD: Major Obstetric Hemorrhage  
European Society of Regional Anesthesia (ESRA) Annual Congress, Dublin, Ireland
86. 9/2018 PBLD: My patient is 38 weeks pregnant, has 30,000 platelets and requires labor analgesia  
European Society of Regional Anesthesia (ESRA) Annual Congress, Dublin, Ireland
87. 11/2018 Accuro: A Novel Ultrasound Device to Assist Neuraxial Anesthesia  
15th Asian and Australasian Congress of Anaesthesiologists and Chinese Society of Anesthesiology Annual Meeting, Beijing, China
88. 11/2018 Neuraxial Ultrasound to Optimize Obstetric Anesthesia Care  
52nd National Congress on Anesthesiology and Reanimation of Turkish Society of Anesthesiology and Reanimation (TARK 2018), Antalya, Turkey
89. 11/2018 State-of-the-art Techniques to Ensure Optimal Labor and Cesarean Delivery Analgesia  
52nd National Congress on Anesthesiology and Reanimation of Turkish Society of Anesthesiology and Reanimation (TARK 2018), Antalya, Turkey
90. 4/2019 Keynote Lecture: Regional Anesthesia in Obstetrics  
15th Asian and Oceanic Society of Regional Anesthesia and Pain Medicine Congress, Kochi, Japan
91. 8/2019 Obstetric Anesthesia: Questions and Answers Panel Discussion  
National High Risk Obstetric Anesthesia and Analgesia Annual Meeting, Beijing
92. 8/2019 Plenary lecture: Cesarean Delivery Analgesia: Minimizing Postoperative Pain and Opioid Use  
National High Risk Obstetric Anesthesia and Analgesia Annual Meeting, Beijing
93. 10/2019 Breastfeeding after anaesthesia  
European Society of Anesthesiology (ESA) Focus Meeting "Mother and Child" Rome, Italy
94. 10/2019 Pain and post-operative nausea and vomiting (PONV) after caesarian section: how can we prevent and treat?

- European Society of Anesthesiology (ESA) Focus Meeting  
"Mother and Child" Rome, Italy
95. 11/2019 Cutting-edge techniques to optimize labor epidural analgesia  
96th Korean Society of Anesthesiologists Annual Scientific Meeting "KoreAnesthesia 2019"
  96. 11/2019 Debate: Vasopressors for spinal hypotension - time for a paradigm shift?  
International Congress of Obstetric Anaesthesia, Cape Town, South Africa
  97. 11/2019 Incheon, Korea November 2019  
96th Korean Society of Anesthesiologists Annual Scientific Meeting "KoreAnesthesia 2019"
  98. 11/2019 The ideal regimen for uterotonics at caesarean delivery - a consensus view Saturday 23  
International Congress of Obstetric Anaesthesia, Cape Town, South Africa
  99. 11/2019 Ultrasound-assisted neuraxial placement in labor & delivery  
96th Korean Society of Anesthesiologists Annual Scientific Meeting "KoreAnesthesia 2019"
  100. 12/2019 Debate: Neuraxial Ultrasound Should be Routine Before Neuraxial Procedures  
2nd Anesthesiology Alive Conference. Porto, Portugal
  101. 12/2019 Effective Opioid-Reduction Strategies After Caesarean Delivery  
2nd Anesthesiology Alive Conference. Porto, Portugal
  102. 12/2019 Personalized postoperative pain management: Does patient engagement improve outcomes?  
2nd Anesthesiology Alive Conference. Porto, Portugal
  103. 2/2020 Postoperative analgesia after C-section  
35th International Winter Symposium. Leuven, Belgium
  104. 6/2020 Pain Management After Cesarean Delivery  
5th Annual Virtual Obstetric Anesthesia Meeting, Monterrey, Mexico
  105. 6/2020 Recommendations for the Prevention and Detection of Respiratory Depression Associated with Neuraxial Morphine Administration (Virtual Presentation)  
67th Virtual Annual Meeting Japanese Society of Anesthesiologists, Kobe, Japan
  106. 10/2020 Neuraxial techniques to optimize labour analgesia  
Primer Congreso Virtual Peruano de Anestesiología, Peru

107. 1/2021 Memorial Lecture: The Impact of Obstetric Anesthesiologists on Peripartum Care and Outcomes  
Japanese Association for Perinatal Anesthesiology (JAPA), Japan
108. 2/2021 Techniques to Optimize Your Labor Epidural Analgesia  
Indoanesthesia 2021, Indonesia
109. 3/2021 The ideal uterotonics and doses for cesarean delivery  
Santa Joana Obstetric Anesthesia Meeting, San Paulo, Brazil
110. 3/2021 Ultrasound: An essential tool to assist spinals and epidurals  
Santa Joana Obstetric Anesthesia Meeting, San Paulo, Brazil
111. 5/2021 SOAP Centers of Excellence for Anesthesia Care of Obstetric Patients: US Experience  
Panel Discussion: SOAP COE for Anesthesia Care of Obstetric Patients  
Joint SOAP and Japanese (JSOAP, JALA, JAPA) Symposium, Virtual
112. 7/2021 SOAP Centers of Excellence for Anesthesia Care of Obstetric Patients  
Colombian Society of Anesthesia
113. 9/2021 Guidelines on respiratory monitoring after neuraxial opioids  
World Congress of Anesthesiologists, Prague
114. 9/2021 Ultrasound for Central Neuraxial Blocks in the Obstetric Population  
International Symposium on Spine and Paravertebral Sonography (ISSPS) for Anaesthesia and Pain Medicine 2021  
Live Webinar Series, Hong Kong
115. 10/2021 Modern neuraxial labour analgesia: options for initiation  
ESRA Spring Monothematic Conference, Algarve, Portugal
116. 10/2021 Providing enhanced recovery after cesarean delivery  
ESRA Spring Monothematic Conference, Algarve, Portugal
117. 10/2021 Regional nerve blocks (TAP, QBL, ESP, rectus) for cesarean delivery  
ESRA Spring Monothematic Conference, Algarve, Portugal
118. 11/2021 Neuraxial techniques for the obesity parturient  
KoreAnesthesia 2021, Busan, South Korea
119. 11/2021 Strategies to optimize pain management after cesarean delivery  
KoreAnesthesia 2021, Busan, South Korea

120. 12/2021 EpiFaith Syringe in the Labor Epidural Setting  
Taiwan Society of Anesthesiologists 65th Annual Meeting
121. 2/2022 Enhanced Recovery After Cesarean Delivery  
19th Indoanesthesia Meeting, Jakarta, Indonesia
122. 10/2022 Good Anesthetics Practices for Cesarean Delivery  
Portuguese National Meeting of Anesthesiology Trainees,  
Portugal
123. 11/2022 Modern technology to enhance labor epidural analgesia  
67th Brazilian Congress of Anesthesiology Scientific Meeting,  
Rio de Janeiro, Brazil
124. 11/2022 Regional blocks for Cesarean Delivery: TAP, QBL, ESP, IL/IH,  
Rectus Sheath  
16th Asian Australasian Congress of Anaesthesiologists  
(AACCA), Seoul, Korea
125. 2/2023 Neuraxial labour analgesia: Drugs, adjuvants, volume and  
concentration  
37th International Winter Symposium, Leuven, Belgium
126. 9/2023 Dural puncture epidural is the optimal technique to initiate  
labour epidural analgesia: Debate Pro v Con  
World Congress of Regional Anaesthesia & Pain  
Medicine (WCRAPM) and 40th ESRA Annual Congress, Paris,  
France
127. 9/2023 Optimising labour analgesia: Pharmacological adjuvants  
World Congress of Regional Anaesthesia & Pain  
Medicine (WCRAPM) and 40th ESRA Annual Congress, Paris,  
France
128. 9/2023 Topping-up the epidural for emergency CS  
World Congress of Regional Anaesthesia & Pain  
Medicine (WCRAPM) and 40th ESRA Annual Congress, Paris,  
France
129. 11/2023 Enhanced recovery after cesarean delivery: The why and how  
of implementation  
100th Annual Scientific Meeting of the Korean Society of  
Anesthesiologists; KoreAnesthesia 2023, Seoul, Korea
130. 11/2023 Enhanced Recovery after Cesarean Section and Postoperative  
Pain Management  
Danish Society of Anaesthesiology and Intensive Care  
Medicine annual Meeting, Copenhagen, Denmark
131. 11/2023 The role of ultrasound to optimize neuraxial placement in  
obstetric patients

- 100th Annual Scientific Meeting of the Korean Society of Anesthesiologists; KoreAnesthesia 2023, Seoul, Korea
132. 1/2024 Key Management Strategies for Obstetric Hemorrhage  
GARC 2024, Ganga Hospital, Coimbatore, India
133. 1/2024 Oration Award: Keynote Speaker: Standardized Pain Management Protocols in an Era of Personalized, Patient-Centered Care  
GARC 2024, Ganga Hospital, Coimbatore, India
134. 3/2024 Best Practice for Post-Cesarean Pain Management  
Santa Joana Obstetric Anesthesia Meeting, Sao Paulo, Brazil
135. 3/2024 Embracing Ultrasound-Guided Neuraxial Anesthesia  
Santa Joana Obstetric Anesthesia Meeting, Sao Paulo, Brazil
136. 3/2024 Techniques to Optimize Your Labor Epidural Analgesia  
Santa Joana Obstetric Anesthesia Meeting, Sao Paulo, Brazil
137. 3/2024 Enhanced Recovery after Cesarean  
18th World Congress of Anaesthesiologists, Singapore
138. 3/2024 The Role of Research in Obstetric Anaesthesiology  
18th World Congress of Anaesthesiologists, Singapore
139. 10/2024 Enhanced Recovery After Cesarean Delivery (ERAC): Optimal protocol and metrics of success  
XXXIII Congreso Peruano de Anestesiologia, Lima, Perú
140. 10/2024 Optimal Techniques for Superior Labor Epidural Analgesia  
XXXIII Congreso Peruano de Anestesiologia, Lima, Perú
141. 10/2024 Techniques for Teaching Ultrasound to Beginners in Neuraxial Anesthesia  
XXXIII Congreso Peruano de Anestesiologia, Lima, Perú
142. 11/2024 Strategies for the Management of Postpartum Hemorrhage  
KoreAnesthesia, Korean Society of Anesthesia, Seoul, Korea
143. 8/2025 Enhancing Recovery after Cesarean Delivery: Techniques to Optimize Maternal Safety and Neonatal Outcomes  
62nd Annual Scientific Congress, Malaysian Society of Anaesthesiologists & College of Anaesthesiologists, Kuala Lumpur, Malaysia
144. 8/2025 Innovating Pain Management with Patient-Centered, Personalized Care  
62nd Annual Scientific Congress, Malaysian Society of Anaesthesiologists & College of Anaesthesiologists, Kuala Lumpur, Malaysia

- 145. 8/2025 Meet the Experts: Career Development in Obstetric Anesthesia  
62nd Annual Scientific Congress, Malaysian Society of Anaesthesiologists & College of Anaesthesiologists, Kuala Lumpur, Malaysia
- 146. 8/2025 Optimal Uterotonic Therapy for Cesarean Delivery  
2nd World Congress on Obstetric Anesthesia, Medellín, Colombia.

**Moderator: (4 Total)**

- 1. 5/2018 Best Poster Session Moderator  
Obstetric Anaesthetists' Association Annual Scientific Meeting, Belfast
- 2. 6/2018 Poster Session Moderator  
ESA Euroanaesthesia 2018, Copenhagen, Denmark
- 3. 12/2019 The Severely Ill Pregnant Patient  
2nd Anesthesiology Alive Conference. Porto, Portugal
- 4. 8/2025 Delivering Comfort: Anesthesia for Cesarean Success  
2nd World Congress on Obstetric Anesthesia, Medellín, Colombia.

**Workshop: (6 Total)**

- 1. 10/2012 TAP block for postoperative pain  
Congress on Anesthesia in Obstetrics, Ho Chi Minh City, Vietman
- 2. 10/2012 Ultrasound-guided Neuraxial Placement  
Congress on Anesthesia in Obstetrics, Ho Chi Minh City, Vietman
- 3. 1/2024 High Risk Obstetric Simulation Workshop  
GARC 2024, Ganga Hospital, Coimbatore, India
- 4. 1/2024 Neuraxial Ultrasound  
GARC 2024, Ganga Hospital, Coimbatore, India
- 5. 3/2024 Gastric Ultrasound  
18th World Congress of Anaesthesiologists, Singapore
- 6. 8/2025 Management of Pre-Eclampsia: Case-based learning session  
62nd Annual Scientific Congress, Malaysian Society of Anaesthesiologists & College of Anaesthesiologists, Kuala Lumpur, Malaysia

## K. Additional Information

9/2023

Additional Information

Google Scholar: Citations: 15226; h-index: 67; i10-index: 213 (June 2025)

My Bibliography US National Library of Medicine:

<https://www.ncbi.nlm.nih.gov/myncbi/1LCY82v888j/bibliography/public/>