

University of California, San Francisco
CURRICULUM VITAE

Name: Marc Philip Steurer, MD, MHA, FASA, DESA

Position: HS Clinical Professor
Anesthesia & Perioperative Care
School of Medicine

Associate Chair for Finance, UCSF Department of Anesthesia
Associate Chief for Strategy, Finance, and Business Operations, ZSFG
Department of Anesthesia
Founding President of the Trauma Anesthesiology Society (www.tashq.org)

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EDUCATION

2016 - 2018	USC Price School of Public Policy (#2 US School for Public Policy, U.S. News & World Report)	[MHA]
2009 - 2010	Fellowship in Intensive Care Medicine, University Hospital of Zurich, Switzerland	
2007 - 2008	Fellowship in Cardiac Anesthesiology and Cardiac Intensive Care Medicine, University Hospital of Zurich, Switzerland	
2006 - 2007	Residency in Anesthesiology and Intensive Care Medicine, General Hospital of Zug, Switzerland	
2003 - 2006	Residency in Anesthesiology, University Hospital of Zurich, Switzerland (including a fellowship in Neuroanesthesia)	
2002 - 2003	Residency in Surgery, General Hospital of Zug, Switzerland	
1998 - 2002	Doctoral Thesis, University of Zurich, Switzerland.	[PhD]
1995 - 2001	Medical School, University of Zurich, Switzerland	[MD]

LICENSES, CERTIFICATION

2021	DEI Unconscious Bias Training (UCSF)
2019	UCSF Diversity, Equity, and Inclusion Champion Training

2019	Stop the bleed provider/educator (American College of Surgeons)
2018	Negotiation Strategies and Skills Simulation (USC)
2018	Lean Certification [Certified Lean Workshop Leader]
2016	Defining and Deploying Strategy
2016	Building Blocks of Enterprise Excellence
2015	Toyota Management System - A3 thinking - problem-solving
2015	Improving Patient Experience Through Respectful Communication
2012	California Medical License (A123064)
2010	2113 Certificate California Medical Board (F5603)
2010	Critical Care Board Certification (Federatio Medicorum Helveticorum, FMH; Swiss Medical Association)
2010	Diplomate of the European Society of Anesthesiology [DESA]
2009	ECFMG Certification (0-760-880-5)
2008	Emergency Medicine Board Certification (Federatio Medicorum Helveticorum, FMH; Swiss Medical Association)
2008	Anesthesiology Board Certification (Federatio Medicorum Helveticorum, FMH; Swiss Medical Association)
2008	Advanced Airway Skills Instructor University Hospital of Zurich, Switzerland
2006	ATLS-Instructor, Berne, Switzerland
2004	PHTLS-Provider (PreHospital Trauma Life Support), Nottwil, Switzerland
2004	Prehospital Emergency Medicine Provider, Zurich, Switzerland
2004	ATLS-Provider, Zurich, Switzerland
2003	ACLS-Provider, Zurich, Switzerland

PRINCIPAL POSITIONS HELD

7/2018 - present	UCSF SOM & Medical Center	Associate Chair for Finance	UCSF Department of Anesthesia and Perioperative Care
7/2018 - present	Zuckerberg San Francisco General Hospital and Trauma Center	Associate Chief for Strategy, Finance, and Business Operations	ZSFG Department of Anesthesia and Perioperative Care

7/2018 - present	UCSF SOM & Medical Center	Attending Physician	UCSF Department of Anesthesia and Perioperative Care
6/2010 - present	Zuckerberg San Francisco General Hospital and Trauma Center	Attending Physician	ZSFG Department of Anesthesia and Perioperative Care
2017 - 2018	Zuckerberg San Francisco General Hospital and Trauma Center	Interim Chief	ZSFG Department of Anesthesia and Perioperative Care
2016 - 2017	Zuckerberg San Francisco General Hospital and Trauma Center	Vice Chief	ZSFG Department of Anesthesia and Perioperative Care
2014 - 2016	Zuckerberg San Francisco General Hospital and Trauma Center	Director of Clinical Operations	ZSFG Department of Anesthesia and Perioperative Care
2009 - 2010	University Hospital (and SOM) of Zurich, Switzerland	Faculty and Attending Physician	ZSFG Department of Anesthesia and Perioperative Care
2008 - 2009	University Hospital of Zurich (and SOM), Switzerland	Faculty, Attending physician and division chief of urology anesthesia (5 anesthetizing locations, 3000 anesthetics per year)	Institute of Anesthesiology

OTHER POSITIONS HELD CONCURRENTLY

2016 - present	UCSF Global Health Science	Affiliate Faculty Member	GHS
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2014 - 2018	ZSFG	CRNA Medical Director	SFDPH
2013 - 2016	UCSF/ ZSFG	Medical Director of Trauma Anesthesiology and Acute Care Fellowship	ZSFG Department of Anesthesia and Perioperative Care
2010 - 2017	UCSF/ ZSFG	Director of Trauma Anesthesiology	ZSFG Department of Anesthesia and Perioperative Care

KEYWORDS/AREAS OF INTEREST

- Health economics, financing and reimbursement
- Leading people and health care organizations
- Trauma anesthesiology
- Perioperative & traumatic coagulopathy
- Global Health and Equity
- Patient Safety
- Perioperative medicine / critical care medicine

CLINICAL ACTIVITIES

CLINICAL ACTIVITIES SUMMARY

In addition to holding significant leadership and administrative roles for the UCSF (main) Department of Anesthesia and the ZSFG Division of Anesthesia, I also fulfill numerous high-profile national obligations. Despite these responsibilities, I maintain an active and diverse clinical practice.

Over time, my clinical responsibilities have expanded from ZSFG to include UCSF Health, and since late 2018, I have been providing clinical care at the Parnassus Heights campus. This expansion was a crucial step in bridging the gap between different sites, gaining insight into complex clinical and economic operations.

My commitment to Zuckerberg San Francisco General Hospital and Trauma Center remains unwavering, and I dedicate 1-2 days per week as an attending physician, as well as night and weekend call. In this capacity, I directly care for our patients and oversee fellows, residents, nurse anesthetists, medical students, and nurse practitioners. At UCSF, I provide clinical care at the Moffit-Long Operating Rooms and the Parnassus Outpatient Surgery Center (POSC) for another 1-2 days per week.

Within my clinical practice, I specialize in various subspecialties, including trauma, obstetric, ambulatory, neurosurgical, and regional anesthesia. My involvement in resuscitations and urgent airway management for trauma, surgical, and medical patients at ZSFG is a regular aspect of my clinical activities.

CLINICAL SERVICES

2010 - present	ZSFG Operating Rooms & Perioperative Services, Clinical Attending Anesthesiologist	1-2 days per week plus call
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2018 - present	UCSF Health, Parnassus Heights Operating Rooms & Perioperative Services, Clinical Attending/Faculty	1-2 days per week
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PROFESSIONAL ACTIVITIES

MEMBERSHIPS

2018 - present	European Society of Anaesthesiology (ESA)
2016 - present	American College of Healthcare Executives (ACHE)
2016 - present	NEJM Catalyst Insights Council
2016 - present	Association of University Anesthesiologists (AUA) - Elected Active Membership
2016 - present	International Anesthesia Research Society (IARS)
2013 - present	American Society of Anesthesiologists (ASA)
2013 - present	California Society of Anesthesiologists (CSA)
2011 - present	Trauma Anesthesiology Society (TAS)
2008 - present	Swiss Society of Emergency Medicine (SGNOR)
2008 - present	Swiss Society of Anesthesiologists (SGAR)
2006 - present	European Society of Intensive Care Medicine (ESICM)
2001 - present	Swiss Medical Association and Board (FMH)
2016 - 2019	American Association for Physician Leadership
2016 - 2019	Healthcare Financial Management Association (HFMA)
2014 - 2018	Society for Airway Management (SAM)

SERVICE TO PROFESSIONAL ORGANIZATIONS

2022 - present	ASA Executive Subject Matter Expert for Trauma and Emergency Preparedness	Exec SME
2020 - present	Committee on Finance and Administration, California Society of Anesthesiologists	Member
2021 - present	ASA Committee on Trauma and Emergency Preparedness	Chair (appointed by ASA president)
2020 - present	ASA Federal Legislative Conference	Member
2018 - present	IARS, Annual Meeting Session Proposal Review Committee	Member
2013 - present	Trauma Anesthesiology Society	Founding member
2013 - present	Founding President of the Trauma Anesthesiology Society (501(c3), bylaws, incorporation)	Founding President
2020 - 2021	ASA Task Force on Ketamine Use in Prehospital Setting	Member

2020 - 2022	ASA COVID-19 President's Council	Member (appointed by ASA president)
2018 - 2022	F1000 Prime, Health Services Research in Anesthesiology & Perioperative Medicine Section	Faculty Member
2017 - 2022	Committee on Legislative Affairs, California Society of Anesthesiologists	Member
2020 - 2022	Trauma Anesthesiology Society	Immediate Past President
2020 - 2022	ASA Workgroup on 33% Problem	Member
2019 - 2022	ASA Committee on Economics	Member
2019 - 2022	ASA NCCI (National Correct Coding Initiative, CMS) workgroup	Member
2019 - 2022	ASA RVG (Relative Value Guide) workgroup	Member
2020 - 2021	ASA Task Force on Prehospital Use of Sedatives	Member
2019 - 2021	ASA Committee on Trauma and Emergency Preparedness	Vice Chair (appointed by ASA president)
2018 - 2020	Trauma Anesthesiology Society	President
2019 - 2019	ASA ad hoc Committee on Firearm Violence	Chair (appointed by president)
2018 - 2019	ASA Committee on Trauma and Emergency Preparedness	Member
2017 - 2020	Trauma Anesthesiology Society	Co-Chair of the Annual Meeting Committee
2016 - 2018	Trauma Anesthesiology Society	President-elect
2014 - 2018	Trauma Anesthesiology Society	Member of the mass casualty task force
2014 - 2016	Trauma Anesthesiology Society	Member of the website committee
2013 - 2016	Trauma Anesthesiology Society	President
2013 - 2014	Trauma Anesthesiology Society	Chair of the website committee

SERVICE TO PROFESSIONAL PUBLICATIONS

2019 - present IARS Annual Meeting Session Proposal Review Committee

2019 - present	ad hoc peer reviewer for PLOS ONE (1-2 articles per year)
2015 - present	ad hoc peer reviewer for Anesthesia & Analgesia (1-3 articles per year)
2015 - present	member of the steering committee and reviewer for the trauma section of the anesthesia toolbox online learning platform
2013 - present	ad hoc peer reviewer for Journal of Critical Care (1-2 articles per year)
2016 - 2019	ad hoc reviewer for Harvard Business Review (HBR) (1-2 articles per year)
2012 - 2018	ad hoc peer reviewer for Anesthesiology (1-2 articles per year)
2015 - 2017	ad hoc peer reviewer for Anesthesiology and Pain Medicine (1-2 articles per year)
2015 - 2017	ad hoc reviewer for the British Journal of Anesthesiology (1-2 articles per year)

INVITED PRESENTATIONS - INTERNATIONAL

2013	UCSF/ SFGH international Trauma Symposium (in conjunction with TAS annual meeting) "anesthesia considerations during the Asiana 214 MCI event"	Meeting Chair, Lecturer, Moderator
2009	ATLS instructor for provider course at University Hospital of Zurich, Switzerland	Lecturer, Instructor
2008	University Hospital Zurich, Switzerland Department of Anesthesia, Grand Rounds	Lecturer, moderator
2008	ATLS instructor for provider course at University Hospital of Zurich, Switzerland	Lecturer, Instructor
2007	two times - ATLS instructor for provider course at University Hospital of Zurich, Switzerland	Lecturer, Instructor

INVITED PRESENTATIONS - NATIONAL

2021	ASA annual meeting, San Diego, CA, USA. Panel "Our Ten Favorite Papers of the Year: How Will They Affect Your Practice?"	Moderator
2020	ASA annual meeting, Washington, DC, USA. Panel "Our Ten Favorite Papers of the Year: How Will They Affect Your Practice?"	Moderator
2020	ASA COVID Town hall 3/26	Q&A Moderator
2020	ASA COVID Town hall 3/19	Panel Speaker
2019	ASA annual meeting, Orlando, FL, USA. "Coagulation Management; Is POC Testing Superior to Predefined Transfusion Protocol?"	Speaker/Panelist
2019	UCSF SOM Panel on International Medical Education and Training	Panelist

2019	UCSF Grand Round (ZSFG)	Moderator
2018	Visiting Professorship at University of Miami and Ryder Trauma Center, Miami, FL. Talk on "State-of-the-art Resuscitation Strategies in Trauma".	Visiting Professor and Speaker
2018	ASA annual meeting, San Francisco, CA, USA. Panel "Challenges and Controversies in Trauma Management"	Organizer, Panel Moderator
2017	ASA annual meeting, Boston, MA, USA. "Should viscoelastic testing replace "standard" coagulation tests?"	Panel Speaker
2017	Hawaiian Trauma Symposium, Honolulu, HI - 5 talks 1) "Asiana 214 Mass Casualty Incident at ZSFG" 2) "Massive Transfusion and Resuscitation Strategy in Trauma" 3) "Paralytic Choice for Airway Management in Trauma" 4) "Assessment and Management of Coagulation in Trauma" 5) "lessons learned in trauma care"	Featured Speaker
2016	IARS annual meeting, San Francisco, CA, USA. "How much viscoelasticity is needed - when caring for a trauma patient in 2016?"	Panel Speaker
2015	ASA annual meeting, San Diego, CA, USA. "Coagulation management in severe trauma"	Panel Speaker
2015	Visiting Professorship at Metro Health, Cleveland, OH. Resident Lectures "best practice for trauma care" and "practical thrombelastometry cases"	Visiting Professor and Speaker
2015	Visiting Professorship at Metro Health, Cleveland, OH. Grand Round talk "perioperative coagulation management in severe trauma"	Visiting Professor and Speaker
2015	TAS annual meeting, San Diego, CA	Meeting Chair, Moderator, Lecturer
2015	ASA annual meeting, San Diego, CA. "coagulation management in severe trauma - pro concierge approach"	speaker
2014	TAS annual meeting, New Orleans, LA.	Meeting Chair, Moderator, Lecturer
2014	High Risk Emergency Medicine conference, San Francisco, CA	Lecturer and Instructor

INVITED PRESENTATIONS - REGIONAL AND OTHER INVITED PRESENTATIONS

2022	ATLS instructor for provider course at ZSFG	Lecturer, Instructor
2021	ATLS instructor for provider course at ZSFG	Lecturer, Instructor
2020	ATLS instructor for provider course at ZSFG	Lecturer, Instructor

2019	Trauma Dinner Series, Presentation on Firearm Injury	Lecturer
2019	UCSF Grand Round (ZSFG)	Moderator
2019	ATLS instructor for provider course at ZSFG	Lecturer, Instructor
2019	UCSF SOM Panel on International Medical Education and Training	Panelist
2018	UCSF Grand Round on Trauma Anesthesia	Moderator
2018	UCSF Grand Round on Trauma Anesthesia	Moderator
2018	ATLS instructor for provider course at ZSFG	Lecturer, Instructor
2018	"Hemostasis", lecture for ZSFG resident rotation, San Francisco	Lecturer
2018	"Coagulation Assessment and Management for Interventional Radiology", ZSFG/UCSF Department of Radiology, San Francisco	Lecturer
2018	ZSFG Emergency Medicine Trauma Skills Course, San Francisco	Airway Lecturer and Instructor
2018	ZSFG/ UCSF trauma dinner lecture series, San Francisco	Organiser, Moderator
2017	ATLS instructor for provider course at ZSFG	Lecturer, Instructor
2017	"Hemostasis", lecture for ZSFG resident rotation, San Francisco	Lecturer
2017	ZSFG/ UCSF trauma dinner lecture series, San Francisco	Organiser, Moderator
2016	"Current Issues in Blood Transfusions", lecture for UCSF CA3 resident class, San Francisco	Lecturer
2016	ZSFG/ UCSF trauma dinner lecture series, San Francisco	Organiser, Moderator
2016	ATLS instructor for provider course at ZSFG	Lecturer, Instructor
2015	SFGH advanced emergency airway management cadaver workshop San Francisco, CA	Organiser, Instructor
2015	Saturday Anesthesia Grand Round on the topic of "acute management of the burn patient", University of California, San Francisco	Organiser, Moderator
2015	SFGH/ UCSF trauma dinner lecture series, San Francisco	Organiser, Moderator
2014	SFGH PACT module on "Belmont rapid infuser"	Organiser, Instructor

2014	SFGH Internal Medicine Grand Round on the topic of "Teamwork in Action: the SFGH Response to the Crash of Asiana 214"	Lecturer
2014	SFGH/ UCSF trauma dinner lecture series, San Francisco	Organiser, Moderator
2013	SFGH pediatric resident education rounds "sedation and paralysis in children"	Lecturer
2013	"thrombelastometry guided coagulation management", CPMC San Francisco	Lecturer
2013	SFGH/ UCSF trauma dinner lecture series, San Francisco	Organiser, Moderator
2013	Annual meeting of the California Society of Respiratory Therapists on the topic of "Resuscitation & transfusion strategies in trauma", Stateline, NV	Lecturer
2013	Saturday Anesthesia Grand Round on the topic of "Resuscitation, tranfusion and coagulation management for trauma patients in 2013", University of California, San Francisco	Organiser, Moderator
2013	SFGH Trauma Dinner lecture "the burden of injury in east africa", University of California, San Francisco	Organiser, Moderator
2012	SFGH Trauma Dinner lecture "pediatric traumatic brain injury: current management strategies and controversies", University of California, San Francisco	Organiser, Moderator
2012	SFGH Trauma Dinner lecture "upper airway trauma - what to do and how to do it", University of California, San Francisco	Organiser, Moderator
2012	SFGH Trauma Dinner lecture "spinal cord injury: preserving spared axons with state of the art critical care management", University of California, San Francisco	Organiser, Moderator
2012	ATLS instructor for provider course at SFGH	Lecturer, Instructor
2012	SFGH Trauma Dinner lecture "interventional radiology in neuro trauma and stroke", University of California, San Francisco	Organiser, Moderator
2012	SFGH Trauma Dinner lecture "traumatic brain injury", University of California, San Francisco	Organiser, Moderator
2011	international SFGH Trauma Dinner lecture "management of a massively bleeding patient: the Zurich approach", University of California, San Francisco	Organiser, Moderator
2011	SFGH Trauma Dinner lecture "trauma case conference", University of California, San Francisco	Organiser, Moderator

2011	SFGH Trauma Dinner lecture "coagulopathy, resuscitation ratios and transfusion biology in trauma patients", University of California, San Francisco	Organiser, Moderator
2011	two times - Moderator, Anesthesia Grand Rounds, University of California, San Francisco	Organiser, Moderator
2011	ATLS instructor for provider course at SFGH	Lecturer, Instructor

CONTINUING EDUCATION AND PROFESSIONAL DEVELOPMENT ACTIVITIES

I have annually met the requirement of the State of California for at least 50 units of Continuing Education every two years.

GOVERNMENT AND OTHER PROFESSIONAL SERVICE

2012 - 2017	White House Medical Unit, Obama Administration	ZSFG liaison
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UNIVERSITY AND PUBLIC SERVICE

SERVICE ACTIVITIES SUMMARY

My leadership and administrative expertise have been evident through significant responsibilities within the Department and various committees. Since 2018, I have held the position of Associate Chief for Strategy, Finance, and Business Operations for the ZSFG division. In this role, I advise the Chief of Anesthesia at ZSFG in all high-level business matters, and I actively participate in the division's executive leadership. At the overall departmental level, I have served as Associate Chair for Finance for the UCSF Department of Anesthesia since 2018. Over the past years, I have dedicated extensive energy and time to collaborate with key stakeholders such as the Chair, service Chiefs, clinical leaders, CAO, CFO, and representatives from UCSF Health to address the substantial financial challenges posed by the COVID pandemic.

Through our collective efforts, we successfully mitigated severe negative consequences and implemented measures to establish a sustainable framework for the department's clinical operations and faculty. Notably, I played a pivotal role in the transition of the departmental funds flow from Tier 1 (RVU-based) to Tier 4 (staffing model) during that period, working closely with multiple stakeholders.

I have also maintained my involvement on an inter/national level, serving the Trauma Anesthesiology Society (TAS) in various capacities. As the inaugural and founding President for TAS, I continue to offer guidance and support as the Past President on numerous occasions. Furthermore, my accomplishments and reputation in the field of trauma and acute care anesthesia have led to prestigious appointments. In 2021, I was appointed as the Chair of the American Society of Anesthesiologists' (ASA) Committee on Trauma and Emergency Preparedness (COTEP) by the ASA President. Additionally, I have been entrusted with the Chair position for ASA's injury prevention task force and campaign while also serving as a member of the ASA President's COVID council.

Beyond my contributions to trauma and acute care anesthesia, I have made notable strides in the finance/economic aspect of our profession. Since 2020, I have been an active member of the California Society of Anesthesiologists (CSA) Committee on Finance and Administration. At UCSF, my involvement extends to the Academic Planning and Budget Committee, where I have served since 2019. Recognizing my contributions, I was appointed as the Vice Chair of the UC-wide Committee on Planning and Budget (UCPB) in 2022. Within ZSFG, I continue to

serve as a board member for the Clinical Practice Group (UCSF at ZSFG pro-fee billing group) and its finance committee, as well as participate in the UCSF Medical Risk Management Committee, ZSFG Risk Management Committee, and the ZSFG Credentials Committee.

UNIVERSITY SERVICE

UC SYSTEM AND MULTI-CAMPUS SERVICE

2022 - present	University of California Academic Senate (UC wide), University Committee on Planning and Budget	Vice Chair
2018 - present	UCOP Physician Expert Review Panel	Expert, Anesthesia and Perioperative Care
2021 - 2023	UCPB Health System Task Force	Chair
2021 - 2022	University of California Academic Senate (UC wide), University Committee on Planning and Budget	Member, Representing UCSF

SCHOOL OF MEDICINE

2022 - present	UCSF Committee on Academic Planning and Budget	Member
2019 - present	Clinical Practice Group (CPG), Financial Committee	Member
2019 - present	ZSFG Bylaws and Rules & Regulations Committee	Member
2018 - present	ZSFG Medical Staff Credentials Committee	Member
2018 - present	ZSFG Risk Management Event Analysis and Systems Improvement (EASI) committee	Member, Anesthesia Representative
2017 - present	Clinical Practice Group (CPG)	Board Member
2016 - present	UCSF Medical Risk Management Committee	Member
2021 - 2022	UCSF Committee on Academic Planning and Budget	Vice Chair
2019 - 2021	UCSF Committee on Academic Planning and Budget	Member
2017 - 2020	EPIC perioperative domain	Member, Anesthesia Representative
2017 - 2019	Departmental A3 on Sustainability and Effectiveness of Acute Pain Service	Sponsor
2017 - 2019	Clinical Practice Group (CPG) performance improvement committee	Member
2017 - 2019	EPIC Anesthesia Implementation Task Force	Chair
2017 - 2018	ZSFG Medical Executive Committee	Member, Anesthesia Representative

2017 - 2017	ZSFG 5S workshop for anesthesia OR workplace standardization	Workshop Lead and Organizer
2017 - 2017	ZSFG 5S workshop for OR layout standardization (OR nursing, anesthesia)	Team Lead and Co-Organizer
2017 - 2017	San Francisco Department of Public Health, review panel for new EHR	Member
2017 - 2017	Lean Value Stream Mapping Workshop for Anesthesia Preoperative Clinic	Sponsor
2016 - 2020	ZSFG/ SFHN Utilization Management Committee	Member, Perioperative Representative
2016 - 2019	ZSFG Perioperative Executive Steering Committee (PEMT)	Member, Anesthesia Representative
2016 - 2019	Clinical Practice Group (CPG) compliance committee	Member
2016 - 2018	Departmental A3 on Access to Pain Care for ZSFG/SFHN	Sponsor
2016 - 2018	Departmental A3 on Patient Evaluation by Preoperative Clinic	Sponsor
2016 - 2016	UCSF @ SFGH leadership strategic visioning workshop	Member
2016 - 2016	ZSFG Operating Room Charge Nurse search committee	Member
2015 - 2016	Department Orientation Coordinator for New SFGH hospital (building 25)	Coordinator
2015 - 2018	ZSFG Department of Anesthesia, weekly Performance Improvement Huddle	Organizer, Huddle Facilitator
2014 - 2017	ZSFG Department of Anesthesia, Executive Committee	Member
2014 - 2017	ZSFG OR committee	Member, Anesthesia Representative
2014 - 2016	SFGH Emergency Medicine chief search committee	Member
2014 - 2016	SFGH Department of Surgery faculty search committee	Member
2014 - 2016	Unified Communications Task Force for the SFGH rebuild	Member
2014 - 2016	ZSFG Department of Anesthesia Morbidity and Mortality conference and case handling	Chair (conference organization, moderation and case handling)
2014 - 2015	SIS (perioperative electronic medical record for ZSFG) Anesthesia Task Force	Chair

2014 - 2015	SFGH/ DPH Ebola preparedness task force	Senior Physician Leader
2014 - 2014	lean 3P Emergency Department at SFGH	Advisor
2014 - 2014	lean 3P workflow new operating rooms and procedural areas of the SFGH rebuild	Advisor
2013 - 2018	ZSFG Department of Anesthesia faculty recruitment committee	Chair
2013 - 2016	ZSFG Communications task force	Co-chair
2010 - 2017	Trauma Peer Review Committee	Member, Anesthesia Representative

DEPARTMENTAL SERVICE

2019 - present	UCSF Department of Anesthesia, Expanded Executive Committee	Member
2018 - present	ZSFG Department of Anesthesia, Executive Committee	Member
2017 - present	ZSFG Department of Anesthesia Compensation Committee	Facilitator
2014 - 2018	UCSF Department of Anesthesia, Executive Committee	Member, ZSFG Representative
2014 - 2017	SFGH Department of Anesthesia compensation committee	Chair
2010 - 2017	Department of Anesthesia and Perioperative Care	Director of Trauma Anesthesia
2011 - 2016	Department of Anesthesia and Perioperative Care	Faculty Scheduling and z-payment for SFGH
2011 - 2016	Department of Anesthesia and Perioperative Care	Per diem mentoring, scheduling and payment for SFGH
2014 - 2016	SFGH Department of Anesthesia junior faculty on boarding & well being committee	Co-Chair
2012 - 2015	Department of Anesthesia and Perioperative Care	Resident Advisor

COMMUNITY AND PUBLIC SERVICE

2020 - present	California Academy of Sciences, San Francisco	Advisor, Volunteer to Dive and Educational Programs
2017 - 2018	FACES for the Future Program - Healthcare Careers Exploration; The FACES for the Future Program at John O'Connell High School (JOCHS) is located in the Mission District neighborhood of San Francisco, CA. The program is a partnership with the San Francisco Department of Public Health and the San Francisco Unified School District. The FACES program provides a 2-year healthcare internship and leadership development program for JOCHS students in the 11th and 12th grades. The program supports entry into healthcare professions, including public and behavioral health careers, through internships, workshops, academic support, college preparation and wellness support. [http://facesforthefuture.org/locations/california/faces-for-the-future-at-san-francisco/]	Facilitator
2015 - 2018	OTI Junior Academy; The Orthopaedic Trauma Institute (OTI) at ZSFG facilitates a community outreach program that introduces high school students to the healthcare profession. The incoming high schools seniors are from diverse, socioeconomic and cultural backgrounds. They get first hand exposure to the acute care provide at ZSFG by shadowing UCSF faculty. [https://orthosurgery.ucsf.edu/about/news-media/oti-junior-academy.html]	Facilitator

CONTRIBUTIONS TO DIVERSITY

CONTRIBUTIONS TO DIVERSITY Contributions to Diversity, Equity & Inclusion Guidance

UCSF Unconscious Bias Training

TEACHING AND MENTORING

TEACHING SUMMARY

I offer informal teaching in various settings, covering a wide range of topics. My primary focus is within the operating rooms at ZSFG, where I instruct and guide medical students, residents, and fellows in delivering anesthesia clinical care, particularly in trauma and acute care scenarios. I am deeply passionate about imparting knowledge on the fundamental principles, intricacies, and subtleties of trauma and acute care anesthesia, as well as resuscitation techniques.

Another significant aspect of my teaching involves educating senior residents on effectively managing an operating room, including board running and organizational skills during regular hours, as well as leading an anesthesia call team in a level 1 trauma center for off-hour

emergencies. Beyond these OR environments, I also engage in teaching numerous clinical vignettes in the perioperative setting, both at ZSFG and UCSF (Moffitt Long). Moreover, I actively participate in impromptu small group lectures and contribute to the formal ZSFG lectures, such as the STARS program, catering to the educational needs of residents and medical students.

FORMAL TEACHING

	Academic Yr	Course No. & Title	Teaching Contribution	School	Class Size
	2010 - present	Anesthesia 110 Clinical Clerkship in Anesthesia	Instructor		2
	2010 - present	Anesthesia 140.01 Clinical Anesthesia Elective	Instructor		1
	2010 - present	Anesthesia Resident "STARS" Lecture	Lecturer		8

INFORMAL TEACHING

2011 - present OR organization and board running education for anesthesia senior residents

2011 - present Organization of urgent/emergent OR cases during off hours, how to lead small teams and deploy resources, and case management for anesthesia senior residents

2011 - present Trauma resuscitation for anesthesia medical students, residents and fellows, in the OR

2012 - present Coagulation diagnosis and management with thrombelastometry for anesthesia medical students, residents and fellows, in the OR

2010 - present ZSFG Intraoperative teaching for anesthesia medical students, residents and fellows (all facets of perioperative care)

2010 - present Ultrasound-guided regional anesthesia for anesthesia residents and fellows, in the OR

2010 - present Ultrasound-guided vascular access for anesthesia residents and fellows, in the OR

MENTORING SUMMARY

I act as a formal mentor to a significant cadre of faculty within UCSF, the US, and internationally, including many with high-level leadership positions in large organizations and departments.

RESEARCH AND CREATIVE ACTIVITIES

RESEARCH AND CREATIVE ACTIVITIES SUMMARY

I have established both personal and institutional renown as a distinguished expert in the field of coagulopathy management in the context of injury and massive transfusion. My expertise has been widely recognized, as evidenced by my frequent invitations to lead and participate in panel presentations at the annual meetings of the American Society of Anesthesia (ASA). In addition to my notable reputation, I have made significant contributions since my last merit increase. I have actively engaged in the publication of three peer-reviewed articles and have been sought after to write two review articles focusing on trauma and emergency preparedness. Furthermore, I have played a crucial role as a co-author in the development of the trauma anesthesia chapter for the esteemed 10th edition of the Miller Anesthesia textbook.

RESEARCH AWARDS - PAST

1.	Co-PI & anesthesia site director		
	NIH	7/2010	3/2011
	PROMMT; Prospective observational Multi-Center Transfusion Study		\$ 600,000 total
2.	PI		
	SFGH hearts foundation	10/13/2011	10/12/2012
	"perioperative thrombelastography"		\$ 70,000 total
3.	PI		
	SFGH patient care fund	10/01/2011	09/30/2012
	"perioperative thrombelastography"		\$ 35,000 total
4.	PI		
	SFGH hearts foundation	10/01/2013	09/30/2014
	"perioperative minimally invasive cardiac output monitoring for SFGH trauma"		\$ 48,000 total
5.	Co-PI& anesthesia site director		
	NIH/ DOD	04/01/2011	06/30/2014
	PROPPR (Pragmatic, Randomized Optimal Platelet and Plasma Ratios)		\$ 6,588,000 total

6.	Co-PI & anesthesia site director		
	DOD US Army Med. Res. Acq. Activity	9/2010	8/2016
	ACIT; Activation of Coagulation and Inflammation in Trauma Mechanisms of Coagulation Abnormalities and Trauma		\$ 2,000,000 total

PEER REVIEWED PUBLICATIONS

1. 2004 Beer GM, Burg D, Zehnder A, Seifert B, Steurer M, Grimaldi H, Meyer VE. Functional, electrophysiologic, and morphometric evaluation of nerve regeneration from coaptation on regenerated nerve fibers: experimental study in rabbits. Functional, electrophysiologic, and morphometric evaluation of nerve regeneration from coaptation on regenerated nerve fibers: experimental study in rabbits. J Reconstr Microsurg. 2004 Feb;20(2):159-66.
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4. 2012 Steurer MP, Steurer MA, Baulig W, Piegeler T, Schläpfer M, Spahn DR, Falk V, Dreessen P, Theusinger OM, Schmid ER, Schwartz D, Neff TA, Beck-Schimmer B. Late pharmacologic conditioning with volatile anesthetics after cardiac surgery. Crit Care. 2012; 16(5):R191. PMID: 23062276.
5. 2014 Baraniuk S, Tilley BC, del Junco DJ, Fox EE, van Belle G, Wade CE, Podbielski JM, Beeler AM, Hess JR, Bulger EM, Schreiber MA, Inaba K, Fabian TC, Kerby JD, Cohen MJ, Miller CN, Rizoli S, Scalea TM, O'Keeffe T, Brasel KJ, Cotton BA, Muskat P, Holcomb JB. Pragmatic Randomized Optimal Platelet and Plasma Ratios (PROPPR) Trial: design, rationale and implementation. Injury. 2014 Sep; 45(9):1287-95. PMID: 24996573.

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7. 2014 Lindauer B, Steurer MP, Müller MK, Dullenkopf A. Anesthetic management of patients undergoing bariatric surgery: two year experience in a single institution in Switzerland. *BMC Anesthesiol*. 2014; 14:125. PMID: 25544832.
8. 2015 PROPPR study group. Transfusion of plasma, platelets, and red blood cells in a 1:1:1 vs a 1:1:2 ratio and mortality in patients with severe trauma: the PROPPR randomized clinical trial. *JAMA* 2015 Feb3; 313(5):471-82.
9. 2015 PROPPR study group. Making thawed universal donor plasma available rapidly for massively bleeding trauma patients: experience from the Pragmatic, Randomized Optimal Platelets and Plasma Ratios (PROPPR) trial. *Transfusion* 2015 Jun;55(6):1331-9.
10. 2015 Winter A, Steurer M, Dullenkopf A. Postoperative delirium assessed by post anesthesia care unit staff utilizing the Nursing Delirium Screening Scale: a prospective observational study of 1000 patients in a single Swiss institution. *BMC Anesthesiol*. 2015 Dec 18;15:184.
11. 2015 Aepli N, Steurer MP, Binder J, Fehr M, Dullenkopf A. Intraoperative Radiotherapy In Breast Cancer: Overview Of Method And Preliminary Results Of Possible Anesthetic Technique. *The Internet Journal of Anesthesiology*. 2015; 3:1-9.
12. 2016 PROPPR study group. Damage-control resuscitation and emergency laparotomy: findings from the PROPPR study. *J Trauma Acute Care Surg*. 2016 Apr;80(4):568-74; discussion 574-5.
13. 2016 Catherine Heim, Marc P. Steurer, Karim Brohi. Damage Control Resuscitation: More Than Just Transfusion Strategies. *Current Anesthesiology Reports*. 2016 Mar 1; 6(1):72-78.
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26. 2020 Dullenkopf A, Horn K, Steurer MP, Hess F, Welter J. Placement of TOF-Cuff® on the lower leg for neuromuscular and blood pressure monitoring during anesthetic induction for shoulder surgeries. *J Anesth*. 2020 02; 34(1):79-85. PMID: 31760477. PMCID: PMC6992549
27. 2021 Erben HC, Hess F, Welter JE, Graf N, Steurer M, Neff T, Zettl R, Dullenkopf A. Perioperative blood transfusions in hip and knee arthroplasty: a retrospective assessment of combined risk factors. *Arch Orthop and Trauma Surg*. 2021 Feb 19. doi: 10.1007/s00402-021-03763-w.
28. 2024 Dixon A, Kenny JE, Buzzard L, Holcomb J, Bulger E, Wade C, Fabian T, Schreiber M; PROPPR Study Group. Acute respiratory distress syndrome, acute kidney injury, and mortality after trauma are associated with increased circulation of syndecan-1, soluble thrombomodulin, and receptor for advanced glycation end products. *J Trauma Acute Care Surg*. 2024 Feb 1;96(2):319-325. doi: 10.1097/TA.0000000000004096.

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1. 2006 Steurer M, Steurer M, Schmid ER, Spahn DR, Beck-Schimmer B. The Effect of Sevoflurane versus Propofol on the Inflammatory Response during One-Lung Ventilation in Thoracic Surgery (2006 ASA annual meeting Chicago, IL)

2. 2008 Steurer MP, Steurer MA, Schmid ER, Spahn DR, Beck-Schimmer B. The Effect of Late Sevoflurane Postconditioning on Myocardial Enzyme Kinetics after on Pump Cardiac Surgery (2008 ASA annual meeting Orlando, FL)
3. 2014 Winter A, Steurer MP, Dullenkopf A. The incidence of postoperative delirium in the recovery room – a prospective analysis in 1000 patients in a Swiss single institution. Swiss Med Wkly 2014; 144(Suppl 207): 11S
4. 2015 Chang T, Klinger K, Steurer MP. Effect of Medical Education and Simulation of Surgical Cricothyrotomy on Emergency Airway Preferences at a Level 1 Trauma Center. (2015 ASA annual meeting, San Diego, CA)
5. 2015 Ask the Expert on Trauma Anesthesia & Care. Anesthesia News, Fall 2015, UCSF Department of Anesthesia and Perioperative Care.
6. 2015 Steurer MP, Ganter MT. Point-of-Care Coagulation Testing. ASA Monitor June 2015, Vol.79(6), 20-22.
7. 2015 Steurer MP, Ganter MT. Comparison and Contrast of Anesthesia Practice in Europe and the U.S. ASA Monitor December 2015, Vol.79 (12), 18-20.
8. 2017 Neumann L, Steurer M, Kraemer T, Zueger M, Mohler T, Steurer MP, Dullenkopf A. Difference of predicted (TCI) to measured propofol concentration after major surgery. (2017 Swiss Society for Anesthesia (SGAR) annual meeting, Interlaken, Switzerland)
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10. 2019 Erben HC, Hess F, Zettl R, Steurer MP, Dullenkopf A. Identifying risk factors for perioperative transfusion in elective hip and knee arthroplasty. (2019 Swiss Society for Anesthesia (SGAR) annual meeting, Interlaken, Switzerland)
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1. 2014 Steurer MP, Ganter MT. Trauma and Massive Blood Transfusions. Curr Anesthesiol Rep. 2014; 4:200-208.
2. 2015 Heim C, Steurer MP, Brohi K. Damage Control Resuscitation: More Than Just Transfusion Strategies. Curr Anesthesia Rep. 2016; 6:72-78.
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4. 2019 Blaine KP, Steurer MP. Viscoelastic Monitoring to Guide the Correction of Perioperative Coagulopathy and Massive Transfusion in Patients with Life-Threatening Hemorrhage. Anesthesiol Clin. 2019 Mar; 37(1):51-66. PMID: 30711233

BOOKS AND CHAPTERS

1. 2022 Associate Editor (2022-2023)/> Miller's Anesthesia. 10th edition. Editors: Gropper MA, Cohen NH, Eriksson LI, Fleisher LA, Leslie K, Wiener-Kronish JP Elsevier. In Progress.
2. 2021 Pardo MC, Miller RD: Anesthesia for Trauma. In Basics of Anesthesia, 8th edition. Philadelphia, Elsevier, 2018, pp XX.
3. 2017 Associate Editor (2017-2019) Miller's Anesthesia. 9th edition. Editors: Gropper MA, Cohen NH, Eriksson LI, Fleisher LA, Leslie K, Wiener-Kronish JP Elsevier. Published 2019.
4. 2019 Gropper MA, Cohen NH, Eriksson LI, Fleisher LA, Leslie K, Wiener-Kronish JP: Anesthesia for Trauma. In Miller's Anesthesia, 9th edition. Elsevier, 2019, pp 2115-6./>
5. 2017 Varon AJ, Smith CE. Coagulation Monitoring of the Bleeding Trauma Patient. In Essentials of Trauma Anesthesia, 2nd edition. Cambridge, UK, Cambridge University Press, 2018, pp154-63.
6. 2017 Pardo MC, Miller RD: Anesthesia for Trauma. In Basics of Anesthesia, 7th edition. Philadelphia, Elsevier, 2018, pp724-48.

7. 2017 Sdrales LM, Miller RD. Anesthesia for Trauma. In Miller's Anesthesia Review, 3rd edition. Philadelphia, Elsevier, 2017, pp515-25.
8. 2016 Cameron JL, Cameron AM: Airway Management in the Trauma Patient. In Current Surgical Therapy, 12th edition. Philadelphia, Elsevier, 2016, pp1126-34.

SIGNIFICANT PUBLICATIONS

1. 2009 De Conno E, Steurer MP, Wittlinger M, Zalunardo MP, Weder W, Schneiter D, Schimmer RC, Klaghofer R, Neff TA, Schmid ER, Spahn DR, Z'graggen BR, Urner M, Beck-Schimmer B. Anesthetic-induced improvement of the inflammatory response to one-lung ventilation. Anesthesiology. 2009 Jun; 110(6):1316-26.
2. 2012 Steurer MP, Steurer MA, Baulig W, Piegeler T, Schläpfer M, Spahn DR, Falk V, Dreessen P, Theusinger OM, Schmid ER, Schwartz D, Neff TA, Beck-Schimmer B. Late pharmacologic conditioning with volatile anesthetics after cardiac surgery. Crit Care. 2012 Oct 14;16(5):R191.
3. PROPPR study group. Transfusion of plasma, platelets, and red blood cells in a 1:1:1 vs a 1:1:2 ratio and mortality in patients with severe trauma: the PROPPR randomized clinical trial. JAMA 2015 Feb3; 313(5):471-82.
4. Heim C, Steurer MP, Brohi K. Damage Control Resuscitation: More Than Just Transfusion Strategies. Curr Anesthesia Rep. 2016; 6:72-78.

ACADEMIC LEADERSHIP

Vice Chief of Service, Department of Anesthesia and Perioperative Care at ZSFG [2016-2017]
Interim Chief of Service, Department of Anesthesia and Perioperative Care at ZSFG [2017-2018]
Associate Chief, Department of Anesthesia and Perioperative Care at ZSFG [2018-present]
Associate Chair for Finance, UCSF Department of Anesthesia and Perioperative Care [2018-present]