

CURRICULUM VITAE

NAME: Ying Hui Low MD, FASE, FASA**ADDRESS:**Office:

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Date Prepared: Jan 2 2024**I. EDUCATION:**

<u>DATES</u>	<u>INSTITUTION</u>	<u>DEGREE</u>
2003 - 2007	National University of Singapore (NUS) Singapore	Bachelors in Biomedical Science
2007 - 2011	Duke-NUS Graduate Singapore	Doctor of Medicine

II. POSTDOCTORAL TRAINING:

<u>DATES</u>	<u>INSTITUTION</u>	<u>SPECIALITY</u>
2011 - 2012	Duke University Hospital Durham, NC	Medical Internship
2012 - 2015	Duke University Hospital Durham, NC	Residency in Anesthesiology
2015 - 2016	Duke University Hospital Durham, NC	Fellowship in Cardiothoracic Anesthesiology

III. ACADEMIC APPOINTMENTS:**A. Current Dartmouth / Geisel Affiliations**

<u>DATES</u>	<u>INSTITUTION</u>	<u>TITLE</u>
2024 - present	Geisel School of Medicine, Dartmouth College Hanover, NH	Associate Professor

B. Past Academic Affiliations

<u>DATES</u>	<u>INSTITUTION</u>	<u>TITLE</u>
2020 - 2021	Massachusetts General Hospital Boston, MA	Instructor
2021 - 2024	Geisel School of Medicine, Dartmouth College Hanover, NH	Assistant Professor
2016 - 2020	Geisel School of Medicine Dartmouth College Hanover, NH	Assistant Professor

IV. INSTITUTIONAL LEADERSHIP ROLES:

<u>DATES</u>	<u>INSTITUTION</u>	<u>TITLE</u>
2019	Dartmouth-Hitchcock Medical Center Lebanon, NH	Associate Director in Cardiac Anesthesia curriculum for residents

V. LICENSURE AND CERTIFICATION:

<u>DATES</u>	<u>TITLE</u>
2011 - 2019	State of North Carolina Medical License #173264
2016 - Present	State of New Hampshire Medical License #17430
2016 - 2026	Diplomat – American Board of Anesthesiology (ABA) Certificate 54765
2016 - 2026	Diplomat – National Board of Echocardiography Advanced Perioperative Transesophageal Echocardiography
2018 - Present	State of Massachusetts Medical License #277665

VI. HOSPITAL OR HEALTH SYSTEM APPOINTMENTS:

<u>DATES</u>	<u>INSTITUTION / ORGANIZATION</u>	<u>POSITION / TITLE</u>
2016 – 2020 and	Dartmouth-Hitchcock Medical Center Lebanon, NH	Staff Anesthesiologist Department of Anesthesiology

2021 - Present

2020 - 2021	Massachusetts General Hospital Boston, MA	Assistant-in-Anesthesia
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VII. OTHER PROFESSIONAL POSITIONS:**VIII. PROFESSIONAL DEVELOPMENT ACTIVITIES :****IX. TEACHING ACTIVITIES:****A. Graduate Medical Education (GME) Teaching (inclusive of residents fellows during clinical practice)**

<u>DATES</u>	<u>INSTITUTION</u>	<u>NAME OF COURSE / CLERKSHIP / FELLOWSHIP</u>	<u>ROLE</u>	<u>HOURS / YEAR</u>	<u>EST. # OF STUDENTS</u>
2016	Dartmouth-Hitchcock Medical Center Lebanon, NH	Echocardiography Dartmouth-Hitchcock Medical Center Lebanon, NH	Lecturer	2	24
2016	Dartmouth-Hitchcock Medical Center	Anesthesiology Residency	Clinical teaching	110	24
2016	Dartmouth-Hitchcock Medical Center Lebanon, NH	Clinical Anesthesiology Year 1 lectures	Lecturer	2	8
2016	Dartmouth-Hitchcock Medical Center Lebanon, NH	Perioperative Dartmouth-Hitchcock Medical Center Lebanon, NH	Instructor - Annual Perioperative Ultrasound Course for Anesthesiology, Emergency Medicine Fellows & Faculty	2	30
2017	Dartmouth-Hitchcock Medical Center	Anesthesiology Residency	Clinical teaching	220	24
2017	Dartmouth-Hitchcock Medical Center Lebanon, NH	Anesthesiology Grand Rounds: The Non-Vitamin K Oral Anticoagulants- Reversal & Peri-operative Management	Lecturer	1-2	80
2017	Dartmouth-Hitchcock Medical Center	Echo Conference: Aspects of Quantitative & Semi	Lecturer	2	

	Lebanon, NH	quantitative Echo - Left Ventricular Diastolic Dysfunction			
2018	Dartmouth-Hitchcock Medical Center	Anesthesiology Residency	Clinical teaching	220	25
2018	Perioperative Geisel School of Medicine Hanover, NH	Instructor – Perioperative Ultrasound Course for Geisel Medical Students (Anesthesiology Interest Group)	Instructor	2	10
2018	Dartmouth-Hitchcock Medical Center Lebanon, NH	CA-1 Educational Program - Cerebral Blood Flow	Instructor	1-2	9
2018	Dartmouth-Hitchcock Medical Center Lebanon, NH	CA-1 Educational Program - Arterial and Venous Blood Gases	Instructor	1-2	9
2018	Dartmouth-Hitchcock Medical Center Lebanon, NH	Echo Conference – Cases 7	Instructor	1-2	25
2018	Dartmouth-Hitchcock Medical Center Lebanon, NH	Echo Conference – Cases 8	Instructor	1-2	25
2018	Dartmouth-Hitchcock Medical Center Lebanon, NH	TTE / Point of Care Ultra Sound (POCUS)	Instructor	2	25
2018	Dartmouth-Hitchcock Medical Center Lebanon, NH	CA-1 Educational Program - Cerebral Blood Flow: Part II	Instructor	1-2	9
2018	Dartmouth-Hitchcock Medical Center Lebanon, NH	Echo Conference: Aspects of Quantitative & Semi quantitative Echo	Instructor	1-2	25
2019	Dartmouth-Hitchcock Medical Center	Anesthesiology Residency	Clinical teaching	220	25
2019	Dartmouth-Hitchcock Medical Center Lebanon, NH	Echo Conference - Left Ventricular Diastolic Dysfunction	Instructor	1-2	25
2019	Dartmouth-Hitchcock Medical Center Lebanon, NH	Faculty Beginner TTE: Surface Echo / Point of Care	Instructor	1	6

		Ultra Sound (POCUS) training			
2019	Dartmouth-Hitchcock Medical Center Lebanon, NH	CA-3 Advanced TTE: Surface Echo / Point of Care Ultra Sound (POCUS) training	Instructor	1-2	8
2019	Dartmouth-Hitchcock Medical Center Lebanon, NH	CA-1 TTE Intro – Part I: Surface Echo / Point of Care Ultra Sound (POCUS) training	Instructor	1-2	9
2018	Dartmouth-Hitchcock Medical Center	Anesthesiology Residency	Clinical teaching	220	26
2020	Dartmouth-Hitchcock Medical Center Lebanon, NH	Echo Conference – Aspects of Quantitative & Semi-Quantitative Echo	Instructor	1-2	26
2020	Dartmouth-Hitchcock Medical Center Lebanon, NH	Echo Conference - Left Ventricular Diastolic Dysfunction	Instructor	1-2	26
2020	Dartmouth-Hitchcock Medical Center Lebanon, NH	Resident case-based conference: CA-1 Educational Program	Instructor	1-2	9
2021	Dartmouth-Hitchcock Medical Center Lebanon, NH	Echo Conference – Cases 10	Instructor	1-2	26
2022	Dartmouth-Hitchcock Medical Center	Anesthesiology Residency	Clinical teaching	110	26
2022	Dartmouth-Hitchcock Medical Center Lebanon, NH	Board Review sessions	Moderator	24-48	26
2022	Dartmouth-Hitchcock Medical Center Lebanon, NH	Echo Conference -LV Diastolic Dysfunction and Aspects of Quantitative & Semi-quantitative Echo	Instructor	1-2	26
2022	Dartmouth-Hitchcock Medical Center	Anesthesiology Residency	Clinical teaching	110	26
2023	Dartmouth-Hitchcock Medical Center	Anesthesiology Residency	Clinical teaching	110	26
2023	Dartmouth-Hitchcock Medical Center Lebanon, NH	Echo Conference -LV Diastolic Dysfunction and Aspects of Quantitative & Semi-quantitative Echo	Instructor	1-2	26
2023	Dartmouth-Hitchcock Medical Center	Anesthesiology Residency	Clinical teaching	110	26

2023	Dartmouth-Hitchcock Medical Center Lebanon, NH	Board Review sessions	Moderator	24-48	26
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X. PRIMARY RESEARCH ADVISING:**A. Residents / Fellows (directed research)**

<u>DATES</u>	<u>NAME OF ADVISEE / MENTEE</u>	<u>NAME OF PROGRAM</u>
2016 - 2017	Elizabeth O'Brien, MD [Anesthesiology Resident]	<i>Substance Use Disorder in Anesthesiology</i>
2016 - 2017	Allison Malley, MD [Anesthesiology Resident]	<i>Substance Use Disorder in Anesthesiology</i>
2018 - 2019	Adam Kahn, MD [Regional Fellow]	<i>TAP Blocks vs. Liposomal Bupivacaine infiltration in Laparoscopic Colorectal Surgery</i>
2018 - 2019	David Dominguez, MD [Anesthesiology Resident]	<i>TAP Blocks vs. Liposomal Bupivacaine infiltration in Laparoscopic Colorectal Surgery</i>
2019-2020	Linzi Moss, MD [Anesthesiology Resident]	<i>Epidurals vs Intercostal Blocks in Video-assisted Thoroscopic Surgery</i>
2023-present	Mitchell Fuller, MD [Anesthesiology Resident]	OpenAnesthesia.org POCUS case-of-the-month 2024: Aortic Stenosis

B. Others

<u>DATES</u>	<u>NAME OF ADVISEE / MENTEE</u>	<u>NAME OF PROGRAM</u>
2021 - 2022	Jamie Sparling, MD	<i>Perioperative Nutrition in patients with gastric or jejunal feeding tubes: a national survey.</i>

XI. ADVISING / MENTORING (OTHER) – [Non-Applicable]

2020 - 2023	Catherine Foley Jerman, MD	MGH Anesthesiology Residency
2022-present	Mitchell Fuller, MD	DHMC Anesthesiology Residency

XII. ENGAGEMENT, ADVOCACY, COMMUNITY SERVICE, COMMUNITY EDUCATION:

<u>DATES</u>	<u>INSTITUTION/ORGANIZATION</u>	<u>ACTIVITY TITLE</u>	<u>ROLE</u>	<u>HOURS/YEAR</u>
07/2009 – 06/2011	Fremont Free Clinic Fremont, NC	Weekend Primary Care Clinic in Fremont, NC	Volunteer	72

10/2018	Dartmouth-Hitchcock Medical Center (DHMC) Gastroenterology	Rwanda Endoscopy Week - Airway management and sedation course, University Teaching Hospitals in Kigali and Butare, Rwanda.	Co-organizer & Instructor	168
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XIII. RESEARCH ACTIVITIES – [Non-Applicable]**XIV. PROGRAM DEVELOPMENT:****A. National / International**

<u>DATES</u>	<u>TITLE / PROJECT</u>	<u>MISSION / AIM OF PROGRAM</u>	<u>TYPE</u>	<u>ROLE</u>	<u>COHORT OF PROGRAM</u>
2018	Pericardial Effusion and Tamponade learning module, published online April 2018. Also served as a reviewer for modules on TTE Assessment of Volume Responsiveness.	Online course for Anesthesiology residents	Educational	Author and Reviewer	Anesthesia Toolbox
2018 - Present	MOCA (Maintenance of Certification in Anesthesiology)	Annual Maintenance of Certification – question learning	Educational	Question-writer	American Board of Anesthesiology (ABA)
2019 - Present	Basic Anesthesiology Board Examination	National board examination for Anesthesiology	Educational	Question-writer	ABA
2021 – present	ABA Quality Improvement Taskforce	Item Development	Educational	Question-writer, editor	ABA
2022-present	POCUS section pages OpenAnesthesia.org	Online resource for Anesthesiology	Educational	Associate Editor	OpenAnesthesia.org
2023-present	Case-of-the-month Series	Point-of-Care Ultrasound learning series	Educational	Author	OpenAnesthesia.org

B. Local / Institutional

<u>DATES</u>	<u>TITLE / PROJECT</u>	<u>MISSION / AIM OF PROGRAM</u>	<u>TYPE</u>	<u>ROLE</u>	<u>COHORT OF PROGRAM</u>
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2017 - 2018	Perioperative Transthoracic Echocardiography	Educational project teaching TTE in the perioperative and critical care setting. Facilitated the development of learning aids for Anesthesiology residents, and wrote pre and post-tests for assessment of progress.	Educational	Mentor	Anesthesia Residents
2019 - 2020	Perioperative Anemia	Leading institutional efforts to create a multidisciplinary protocol for the management of perioperative anemia at DHMC.	Clinical	Clinical lead	Perioperative clinic
2019 - 2020	Cardiac Anesthesiology curriculum	Creating a structured program for residents to learn cardiac anesthesia and TEE.	Educational	Associate director	Anesthesia residents
2022-present	Perioperative Anticoagulation Stewardship	Working together with pharmacy, hematology and cardiology to create a centralized program that optimizes perioperative anticoagulation	Clinical	Clinical lead	Perioperative clinic
2023-present	Perioperative diabetic medications	Leading the department policy-making, and multi-institution collaboration, for the perioperative management of new diabetic medications (SGLTi, GLP1a) that carry perioperative risks	Clinical	Clinical lead	Perioperative clinic

XV. ENTREPRENEURIAL ACTIVITIES – [Non-Applicable]**XVI. MAJOR COMMITTEE ASSIGNMENTS, INCLUSIVE OF PROFESSIONAL SOCIETIES:****A. NATIONAL / INTERNATIONAL**

<u>DATES</u>	<u>COMMITTEE NAME</u>	<u>ROLE</u>	<u>ORGANIZATION</u>
2010 - 2011	Sleep Research Society	Member	Sleep Research Society
2012 - Present	International Anesthesia Research Society	Member	International Anesthesia Research Society
2012 - Present	American Society of Anesthesiologists (ASA)	Member	American Society of Anesthesiologists (ASA)

2015 - Present	American Society of Echocardiography (ASE)	Member	American Society of Echocardiography (ASE)
2015 - Present	Society for Cardiovascular Anesthesiologists (SCA)	Member	Society for Cardiovascular Anesthesiologists (SCA)
2016 - Present	Ethics Committee	Member	Society for Cardiovascular Anesthesiologists (SCA)
2017 - 2019	Subcommittee on Clinical Circulation	Member	American Society of Anesthesiologists (ASA)
2017 – 2019, 2022- present	Committee for Cardiovascular & Thoracic Anesthesia	Member	American Society of Anesthesiologists (ASA)
2017 - 2022	Committee for Patient Blood Management	Member	American Society of Anesthesiologists (ASA)
2018 - Present	Research Committee	Member	American Society of Echocardiography (ASE)
2019	Association of University Anesthesiologists (AUA)	Session Moderator	Association of University Anesthesiologists (AUA)
2019 - Present	Blood Conservation Working Group	Member	Society for Cardiovascular Anesthesiologists (SCA)
2020- present	MPOG Cardiac Subcommittee	Member	MPOG Working Groups
2020 - Present	Fellow of the ASE (FASE)	Fellow - FASE	American Society of Echocardiography (ASE)
2021 - Present	Fellow of the ASA (FASA)	Fellow - FASA	American Society of Anesthesiologists (ASA)

B. REGIONAL / INSTITUTIONAL

<u>DATES</u>	<u>COMMITTEE NAME</u>	<u>ROLE</u>	<u>INSTITUTION</u>
2017 – 2020	Faculty Council	Member	Dartmouth-Hitchcock Medical Center (DHMC) Lebanon, NH
2018 - 2020	Transfusion Committee	Member	Dartmouth-Hitchcock Medical Center (DHMC) Lebanon, NH

2019 - Present	Resident Education Committee	Member	Dartmouth-Hitchcock Medical Center (DHMC) Lebanon, NH
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XVII. INSTITUTIONAL CENTER OR PROGRAM AFFILIATIONS – [Non-Applicable]**XVIII. EDITORIAL BOARDS:**

<u>DATES</u>	<u>SOCIETY /JOURNAL</u>	<u>ROLE</u>
2006-7	The Triple Helix, NUS Chapter	Writer & subsequent Managing Editor
2007 - 2008	The Triple Helix, NUS Chapter	Editor-in-Chief
2018 - Present	American Board of Anesthesiology - MOCA (Maintenance of Certification in Anesthesiology)	Item Development Author
2019 - Present	American Board of Anesthesiology – Basic Anesthesiology Board Examination	Item Development Author
2022- present	POCUS section, OpenAnesthesia.org	Associate Editor

XIX. JOURNAL REFEREE ACTIVITIES – [Non-Applicable]

2018	Anesthesia Toolbox	Reviewer
2020	Annals of Internal Medicine	Reviewer
2021	Journal of Cardiothoracic and Vascular Anesthesia	Reviewer
2021	Anesthesia & Analgesia	Reviewer

XX. AWARDS AND HONORS:

<u>DATE</u>	<u>AWARD NAME</u>
2005, 2007	NUS Science Dean's List Awards
2010	Travel Award Sleep Annual Meeting of Associated Sleep Societies
2010	Meritorious Award

Sleep Annual Meeting of Associated Sleep Societies

2016 Fellow's Clinical Research Dick Smith Award
Duke Anesthesiology Academic Evening

2020 Teacher of the year runner-up
Department of Anesthesiology, DHMC

XXI. INVITED PRESENTATIONS:

A. International

<u>DATES</u>	<u>TOPIC / TITLE</u>	<u>SPONSORING ORGANIZATION</u>	<u>LOCATION</u>
10/2018	Airway Management and Sedation for Endoscopy	University Teaching Hospital	Kigali and Butare, Rwanda

B. National

<u>DATES</u>	<u>TOPIC / TITLE</u>	<u>SPONSORING ORGANIZATION</u>	<u>LOCATION</u>
10/2016	Coagulation management: Tranexamic Acid vs E-Aminocaproic Acid decreases early postoperative cognitive dysfunction after cardiac surgery	American Society of Anesthesiologists (ASA) Annual Meeting	San Diego, CA
10/2016	Heart-specific release of immune mediators during surgical ischemia-reperfusion and their association with postoperative adverse outcomes	Duke University Academic Evening for Best Abstract Finalists	Durham, NC
10/2017	Perioperative Management of Patients on Direct Anticoagulants: Problem-based discussion learning	American Society of Anesthesiologists (ASA) Annual Meeting	Boston, MA
10/2018	Perioperative Management of Patients on Direct Anticoagulants: Problem-based discussion learning	American Society of Anesthesiologists (ASA) Annual Meeting	San Francisco, CA
10/2020	Perioperative Management of Patients on Direct Anticoagulants: Problem-based discussion learning	American Society of Anesthesiologists (ASA) Annual Meeting	Virtual

10/2020	Thrombocytopenia in the perioperative period (snap talk panel speaker)	American Society of Anesthesiologists (ASA) Annual Meeting	Not Presented due to Covid-19
10/2021	Preventing lung injury during one-lung ventilation (panel speaker)	American Society of Anesthesiologists (ASA) Annual Meeting	San Diego, CA
10/2021	Vasoplegia in cardiac surgical patients (panel moderator and speaker)	American Society of Anesthesiologists (ASA) Annual Meeting	San Diego, CA
10/2021	Setting up a preoperative anemia clinic (panel speaker)	American Society of Anesthesiologists (ASA) Annual Meeting	San Diego, CA
10/2022	Diagnostic Point-of-care ultrasound Certificate Part 4 workshop	American Society of Anesthesiologists (ASA) Annual Meeting	New Orleans, LA
10/2022	Focused Cardiac Ultrasound Image Acquisition	American Society of Anesthesiologists (ASA) Annual Meeting	New Orleans, LA
10/2022	Point-of-care ultrasound and Transesophageal Echocardiography in Critically Ill Patients	American Society of Anesthesiologists (ASA) Annual Meeting	New Orleans, LA
06/2023	Perioperative Management of Direct Anticoagulants	Englewood Health Grand Rounds	Englewood, NJ
10/2023	Diagnostic Point-of-care ultrasound Certificate Part 4 workshop	American Society of Anesthesiologists (ASA) Annual Meeting	San Francisco, CA
10/2022	Point-of-care ultrasound and Transesophageal Echocardiography in Critically Ill Patients	American Society of Anesthesiologists (ASA) Annual Meeting	San Francisco, CA

C. Regional / Local

<u>DATES</u>	<u>TOPIC / TITLE</u>	<u>SPONSORING ORGANIZATION</u>	<u>LOCATION</u>
2/2017	Perioperative Management of Patients on Direct Anticoagulants	Anesthesiology Grand Rounds Department of Anesthesiology Dartmouth-Hitchcock Medical Center	Lebanon, NH

10/2019	Perioperative Management of Patients on Direct Anticoagulants: An update and problem-based discussion learning	Anesthesiology Grand Rounds Department of Anesthesiology Dartmouth-Hitchcock Medical Center	Lebanon, NH
8/2020	Perioperative Management of Patients on Direct Anticoagulants: An update and problem-based discussion learning	Boston Medical Center Grand Rounds	Boston, MA
5/2022	Vasoplegia in Cardiac Surgery: an update and case-based discussion.	Boston VA Medical Center	Boston, MA
06/2023	Perioperative management of GLP-1 agonists and Aspiration risk	Perioperative Conference, Dartmouth Hospital	Lebanon, NH

XXII. BIBLIOGRAPHY:

A. Peer-Reviewed Publications

1. Most Significant Publications (3-5)

2. All Other Publications

a. Original Peer-Reviewed Articles (must be in indexed journals)

- Jamie Sparling, Alexander Nagrebetsky, Ariel Mueller, Marissa Albanese, George Williams, Paul Wischmeyer, Todd Rice, **Yinghui Low**. Pre-procedural Fasting Policies for Patients receiving Tube Feeding: a National Survey. Journal of Parenteral and Enteral Nutrition. 2023 Nov; 47(8):L1011-1020. PMID: 37543845
- Luca Wachtendorf , Azimaraghi O, Santer P, Linhardt FC, Blank M, Suleiman A, Ahn C, **Low Ying Hui**, Teja B, Kendale SM, Schaefer MS, Houle TT, Pollard RJ, Subramaniam B, Eikermann M, Wongtangman K. Association between Intraoperative Arterial Hypotension and Postoperative Delirium after Noncardiac Surgery: a Retrospective Multicenter Cohort Study. Anesthesia and Analgesia. 2022 April 1;134(4):822-833. PMID 34517389.
- Karuna Wongtangman, Luca J. Wachtendorf, Michael Blank, Stephanie D. Grabitz, Felix C. Linhardt, Omid Azimaraghi, Dana Raub,. Stephanie Pham, Samir M. Kendale, **Yinghui Low**, Timothy T. Houle, Matthias Eikermann, Richard J. Pollard. Effect of intraoperative arterial hypotension on the risk of perioperative stroke after non-cardiac surgery: A retrospective multicenter cohort study. Anesthesia and Analgesia. 2021 Oct 1;133(4):1000-1008. PMID 34252055.
- Timothy Gaulton, Mark Neuman, Meghan Lane-Fall, Lakisha Gaskins, James Dattilo, Kariem El-Boghdadly , Danny J N Wong, Imran Ahmad, Craig Johnstone, Howard B Gutstein, Jochen D Muehlschlegel, May Hua, Laura Fonseca, Ludmil Mitrev, **Yinghui Low**, Dhanesh Gupta et al (The US Intubate Covid Investigators). Trends in personal protective equipment use by clinicians performing airway procedures for patients with coronavirus disease 2019 in the USA from the

intubateCOVID registry. British Journal of Anaesthesia 2021 May;126(5):e184-e186. PMID 33612248.

- Jeana Havidich, Martha Goodrich, Julie Weiss, Tracy Onega, **Yinghui Low**, Brian Sites. The Association of Prescription Opioid use with Incident Cancer: A SEER-Medicare population-based case-control study. Cancer. 2021 May 14; 127(10):1648-1657. PMID:33370446
- Elizabeth O'Brien, **Yinghui Low**. Epicardial Cavernous Hemangioma: A Diagnostic Challenge. CASE: Cardiovascular Imaging Case Reports, 2018 Sep 22;2(6) 262-265. PMID: 30582087.
- **Yinghui Low**, Charles S Brudney, Srinivas Pyati. The significance (or insignificance) of wide pulse pressure. Indian Journal of Anaesthesia 2016.60(11): 864-866. PMID: 27942066.
- **Yinghui Low**, William White, Ashraf Habib. Postoperative Hyperglycemia after 4mg vs 10mg Dexamethasone for Postoperative nausea and vomiting prophylaxis in patients with type II Diabetes Mellitus: a retrospective database analysis. Journal of Clinical Anesthesia 2015. Nov 27(7): 589-94. Doi:10.1016/j.jclinane.2015.07.003. PMID: 2630374.
- **Yinghui Low**, Harold W Goforth, Xavier Preud'homme, Jack Edinger, Andrew D Krystal. Insomnia in HIV-infected patients; pathophysiologic implications. AIDS Review 2014 Jan-Mar; 16(1):3-13. PMID: 2452778.
- **Yinghui Low**, Harold W Goforth, Toma Onomuwa, Xavier Preud'homme, Jack Edinger, Andrew D Krystal. Comparison of Polysomnographic data in age-, sex- and Axis I psychiatric diagnosis matched HIV-seropositive and HIV-seronegative insomnia patients. Clinical Neurophysiology. 2012. Dec; 123(12): 2402-5. PMID: 22727712.
- **Yinghui Low**, Xavier Preud'homme, Harold W Goforth, Toma Omonuwa, Andrew D Krystal. The association of fatigue with depression and insomnia in HIV-seropositive patients: a pilot study. Sleep. 2011. Dec 1; 34(12):1723-6. PMID: 22131611.

b. Reviews, peer-reviewed

- Yasmine Tameze, **Ying Hui Low**. Outpatient Robotic surgery: Considerations for the Anesthesiologist. Advances in Anesthesia. 2022 Dec;40(1):15-32. PMID: 36333045
- Nabil K Thalki, Saumil Jayant Patel, John G Augoustides, Robin J Schiller, Adam A Dalia, **Yinghui Low**, Raward I Hamzi, Rohesh J Fernando. Opioid-free cardiac surgery: a multimodal pain management strategy with a focus on bilateral erector spinae plane block catheters. Journal of Cardiothoracic and Vascular Anesthesia. 2022 Dec; 36(12):4523-4533. PMID: 36184473.
- **Ying Hui Low**, Adam Dalia. Primary-Prevention ICDs: is the juice worth the squeeze? Journal of Cardiothoracic and Vascular Anesthesia. 2022 Aug; 36(8PtA): 2253-2254. PMID: 35431118.
- Kyle Riley, Lee-WeiKao, **Yinghui Low**, Shika Card, Gem Manalo, Jeffrey Flemming, Michael Essandoh, Adam Dalia, Jason Qu. Neurologic Dysfunction and Neuroprotection in Transcatheter Aortic Valve Implantation. Journal of Cardiothoracic and Vascular Anesthesia. 2022 Aug; 36 (8 Pt B):3224-3236.

- **Yinghui Low**, Ludmilla Candido Santos (co-first authors), Konstantin Inozemtsev, Alexander Nagrebetsky. Clinical Research Redirection and Optimization during a pandemic. *Anesthesiology Clinics*. 2021 Jun; 39(2):379-388. PMID: 34903454
- **Ying Hui Low**, Peter Burrage (co-first authors), Niall Campbell and Benjamin O'Brien. New-Onset Atrial Fibrillation in Adult Patients after Cardiac Surgery. *Current Anesthesiology Reports*. 2019 Jun;9(2):174-193.PMID: 31700500.
- **Yinghui Low**, Tong Joo Gan. NMDA Receptor Antagonists, Gabapentinoids, Alpha-2 Agonists and Dexamethasone as Analgesic Adjuvants. *Plastic and Reconstructive Surgery*, 2014 Oct; 134(4 Suppl 2): 69S-82S. PMID: 25255009
- **Yinghui Low**, Collin F Clarke, Billy K Huh. Opioid-induced hyperalgesia: a review of epidemiology. *Singapore Med Journal*. 2012. May; 53(5): 357-60. PMID: 22584979.
- **Yinghui Low**, Eunizar Omar and T. Thirumoorthy. The Seven Core Virtues of Medical Professionalism. *SGH Proceedings*. 2009. 18(3).

c. Books / Chapters / Monographs

- **Yinghui Low**, Michael Fitzsimons. Coronary artery disease. *Critical Care Handbook of the Massachusetts General Hospital*, 7th Edition. Wolters Kluwer 2024.
- **Yinghui Low**. Tricuspid Regurgitation and Stenosis. Society of Cardiovascular Anesthesiologists Adult Cardiac Anesthesia Board Exam Review Course. Published online June 2023
- Frances Chen, **Yinghui Low**, Alexander Nagrebetsky. Intraoperative Challenges. *Clinical Anesthesia Procedures of the Massachusetts General Hospital*. 10th Edition. Wolters Kluwer 2020.
- **Yinghui Low**, Andrew Krystal. Daytime Sleepiness in Insomnia Patients. In "Sleepiness: Causes, Consequences, Disorders and Treatment" edited by Michael Thorpy, MD and Michel Billard, MD. Cambridge University Press. Cambridge UK, 2011.

B. Other Scholarly Work in Print or Other Media

1. Website / Online Journal

- Mitchell Fuller, MD, Ying Low, MD. Case-of-the-month: Jan 2024. <https://www.openanesthesia.org/vodcasts/aortic-stenosis-part-1-of-3/>
- Yuriy Bronshteyn, MD, FASE; Babar Fiza, MD; Eric Heinz, MD; Ying Low, MD. Case of-the-month: August 2023. <https://www.openanesthesia.org/vodcasts/right-ventricular-systolic-function-part-1-of-3/>
- Kelly Ivins-O'Keefe, MD; Yuriy Bronshteyn, MD, FASEPOCUS Section Associate Editors: Babar Fiza, MD; Eric Heinz, MD; Ying Low, MD. Case of-the-month: September 2023. <https://www.openanesthesia.org/vodcasts/left-ventricular-systolic-function-assessment-part-1-of-3/>

- AndréJ. Savadjian, MD; Omar Al-Qudsi, MD; Yuriy Bronshteyn, MD, FASEPOCUS Section Associate Editors: Babar Fiza, MD; Eric Heinz, MD; Ying Low, MD; Multimedia Editor: Caroline Lin, MD; Editor-in-Chief: Debnath Chatterjee, MD. Case of-the-month: November 2023.
<https://www.openanesthesia.org/vodcasts/point-of-care-ultrasound-evaluation-of-pericardial-effusion-part-1/>
- David Convissar, **Yinghui Low**. “Lung POCUS”. OpenAnesthesia.org. Published Jan 17 2023.
<https://www.openanesthesia.org/keywords/lung-point-of-care-ultrasound/>.
- Joseph Damron, **Yinghui Low**. “Physics of Ultrasound”. OpenAnesthesia.org. Published Feb 8 2023.
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- Interviewed in: TEE Measurements Can Underestimate Severity of Aortic Stenosis. Anesthesiology News, June 2019. 45(6): 12-13.
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C. Abstracts (Oral, Exhibit, Poster Presentations)

- Nathan Fritts, **Yinghui Low**, Leigh Hickerson. Angiotensin II for vasoplegia and anaphylactic shock after cardiopulmonary bypass. Presented at the SCA Annual Meeting, May 2022.
- Linzi Moss, **Yinghui Low**. Thoracic Epidurals vs. Intercostal Nerve blocks in Video-assisted thoracic lung resection. Presented at the International Anesthesia Research Society Annual Meeting (IARS), 2019, Montreal, and SCA 2020 (virtual meeting).
- David Dominguez, Adam Kahn, **Yinghui Low**. Transverse Abdominis Plane Blocks vs. Local infiltration of Liposomal Bupivacaine in Laparoscopic Colorectal Surgery. Presented at the American Society for Regional Anesthesia 2019, Las Vegas.
- Ankur Srivastava, **Yinghui Low**. Nonbacterial Endocarditis: a case report. Presented at the Society for Cardiovascular Anesthesiologists’ (SCA) Annual Meeting, April 2018 [F12].
- Elizabeth O’Brien, **Yinghui Low**. Epicardial Cavernous Hemangioma. Echo week April 2017, Atlanta, GA.
- **Yinghui Low**, Mary Cooter, Niccolo Terrando, Miles Berger, Mihai Podgoreanu, Mark Stafford-Smith, Mark Newman, Joseph Mathew, Rebecca Klinger. Tranexamic Acid vs E-Aminocaproic Acid decreases early postoperative cognitive dysfunction after cardiac surgery. Presented at the SCA April 2016 [SCA167] and ASA October 2017.
- **Yinghui Low**, Yi-Ju Li, Aslan Turer, Jingzhu Zhou, Quintin Quinones, Mihai Podgoreanu. Heart-specific release of immune mediators during surgical ischemia-reperfusion and their association with postoperative adverse outcomes. Presented at the SCA April 2016 [SCA22].
- **Yinghui Low**, Frederick Lombard. Right Ventricular failure due to RCA thrombus following Aortic Valve Replacement. Presented at the SCA April 2016 [SCA F175].
- **Yinghui Low**, Stuart Grant, Gavin Martin, Michael Bolognesi, Mitchell Klemment, Brian Nickel on behalf of the POET group.

- **Yinghui Low.** Adductor canal ambulatory catheter vs. Single-shot femoral nerve block and liposomal bupivacaine for total knee arthroplasty. American Society of Anesthesiologists (ASA) Annual Meeting October 2015, San Diego, CA.
- **Yinghui Low,** Brian A. Rogers, Catherine M. Kuhn. Airway Implications in Sturge-Weber Syndrome with Facial and Neck Hemihypertrophy and Vascular Malformations. International Anesthesia Research Society (IARS) Annual Meeting, Honolulu, HI March 2015.
- Plakke MJ, Kurian DJ, **Low Y,** Warner DS. Ludwig's Angina Complicated by Cervical Necrotizing Fasciitis and Disseminated Intravascular Coagulation Following Routine Wisdom Tooth Extraction. Poster presentation at the International Anesthesia Research Society Annual (IARS) Meeting, Honolulu, HI. March 21-24, 2015.
- **Yinghui Low,** William D white, Ashraf S Habib. Postoperative Hyperglycemia after 4mg vs 8-10mg Dexamethasone Prophylaxis in Patients with Type II Diabetes Mellitus. Presented at ASA 2013, San Francisco, CA (A2262).
- **Yinghui Low,** William D White, Tong Joo Gan. Intra-operative Acetaminophen use in lower extremity orthopedic surgery. Presented at ASA 2013, San Francisco, CA (A2263).
- **Yinghui Low,** Edward C. Suarez, Harold Goforth, Toma Omunawa and Andrew Krystal. A Pilot Study: Improvement in Insomnia Severity is associated with Decreased serum IL2 and sCD40L in HIV-seropositive patients. Sleep 2010 Meeting, San Antonio, TX (Abstract 0575).

XXIII. PENDING ACADEMIC PROJECTS:

- Peter Ochieng, **Yinghui Low.** Post-Cardiotomy Shock. MGH Manual of Cardiovascular Critical Care, 1st Edition, 2022. Status: revisions
- Alexander Nagrebetsky, **Yinghui Low.** Perioperative Nutrition in patients with gastric or jejunal feeding tubes: multicenter trial for safety and non-inferiority. Status: grant proposals submitted
- **Yinghui Low,** Leigh Hickerson, Katherine Roberts, Kylene Halloran, Brian C. Spence, Peter Burrage, Athos Rassias. Vasoplegia after cardiopulmonary bypass: randomized controlled trial of Hydroxocobalamin, Methylene blue and placebo. Status: IRB approved
- **Yinghui Low.** An Observational Assessment of the Renin-Angiotensin-Aldosterone Signaling System in patients undergoing CABG and/or Valve surgery on Cardiopulmonary Bypass. Status: IRB approved
- **Yinghui Low,** Katherine Forkin, Jacob Raphael, Paul Picton, Douglas Colquhoun. Patient Blood Management maturity: state of practice in the United States. A collaboration of the ASA Patient Blood Management Committee. Current status: data collection and survey
- **Yinghui Low,** Michael Young. Antibiotic regimen for TAVRs: retrospective review of infectious complications using cephalosporin monotherapy vs. addition of vancomycin. Current status: planning stages.