



(1) Personal Particulars

Full Name : Chew Tsong Huey, Sophia

Last Name : Chew

Date of Birth : 29-Apr-1964

Nationality : Singaporean

Gender : Female

(2) Brief Biography

I am a cardiac anaesthetist with more than 20 years of clinical experience . As part of the clinical team, I have undertaken many projects to improve patient care. Apart from clinical work, my research on perioperative outcomes after cardiac surgery has led to several publications and I have been an invited speaker to several high profile conferences including the Society of Cardiovascular Anesthesiologists' Meeting to present my work. I have also been invited to be a key opinion leader from industry based on my expertise in acute kidney injury after cardiac surgery.

I have also been a research mentor to students from Yong Loo Lin School of Medicine, Duke-NUS Graduate Medical School , Residents and junior doctors. My mentees have won several awards for their abstracts including first and third prizes at the Association of Anaesthetists of Great Britain and Ireland Annual meeting 2016 as well as several SMSTDA awards.

In recognition of my work with students, I was awarded the Wong Hock Boon Society-Singapore Medical Association Outstanding Mentor Award 2013. I was also awarded Inspiring Teacher Award at the Anaesthesia ACP Day 2018 and the 2018 NUS Yong Loo Lin School of Medicine Dean's Special Recognition Award for Clinical Teachers.

(3) Current Appointment Details

Institution of Primary Appointment: Singapore General Hospital

Present Rank(s) and Title(s) in Duke-NUS: Adjunct Associate Professor

(4) Educational & Training Qualifications

<u>Qualification</u>	<u>Country</u>	<u>Name of School / Institute / University</u>	<u>Date of Attainment</u>	<u>Highest Qualification</u>
Fellow, Aust & NZ Coll of Anaesthetists	AUSTRALIA	Aust & NZ Coll of Anaesthetists	1997	
Master of Medicine	SINGAPORE	National University of Singapore	1994	X

(Anaesthetics)				
B of Med, B of Surg	SINGAPORE	National University of Singapore	1988	

(5) Certification & Licensure

(A) Medical Professional Licence

<u>Licensing Board</u>	<u>Licensing Number</u>	<u>Date</u> (DDMMYYYY)	<u>Country</u>
SMC	04772D	01/01/1999	SINGAPORE

(B) Specialty Certificate

<u>Certificate Board</u>	<u>Certificate Number</u>	<u>Name of Medical Sub-Specialty</u>	<u>Year</u>	<u>Country</u>
FANZCA		Anaesthesia	1997	AUSTRALIA
MMED (Anaesthesia)		Anaesthesia	1994	SINGAPORE
MBBS Singapore			1988	SINGAPORE

(6) Membership in Professional & Academic Societies

<u>Organisation(s)</u>	<u>Rank / Title / Position</u>	<u>From (YYYY)</u>	<u>To (YYYY)</u>
College of Anaesthesiologists, Academy of Medicine, Singapore	President	2017	2019
Academy of Medicine, Singapore	Council Member	2017	2019
	Asst Bursar	2019	2022
Academy of Medicine, Singapore	Bursar	2022	Current
Singapore Society of Anaesthesiologists	President	2022	Current

(7) Appointments & Positions (Employment History)

<u>Training Type</u>	<u>Institution / Hospital</u>	<u>Rank / Title / Position</u>	<u>From</u> (MM/YYYY)	<u>To</u> (MM/YYYY)
Academic/Clinical	Singapore General Hospital	Senior Consultant	11/2004	Present
Academic/Clinical	Yong Loo Lin School of Medicine, NUS	Adj Associate Professor	01/2017	Present
Research	Singapore General Hospital	Deputy Vice Chair	01/2017	Present

(8) Publications

(A) Refereed Journals

(i) Original Articles

1. **Chew S T**; Low T C
Preoperative versus postoperative pethidine for extraction of impacted third molars.
Annals of the Academy of Medicine, Singapore 1997; 26(4):426-9 (Article; Published in Print)
Times Cited: 5
2. **Chew S T**; Tan T; Tan S S; Ip-Yam P C
A survey of patients' knowledge of anaesthesia and perioperative care.
Singapore medical journal 1998; 39(9):399-402 (Article; Published in Print)
3. Garduno C;**Chew S**; Forbess J; Smith P K; Grocott H P
Persistent left superior vena cava and partial anomalous pulmonary venous connection: incidental diagnosis by transesophageal echocardiography during coronary artery bypass surgery.
Journal of the American Society of Echocardiography : official publication of the American Society of Echocardiography 1999; 12(8):682-5 (Article; Published in Print)
Times Cited: 13
4. **Chew S T**; Newman M F; White W D; Conlon P J; Saunders A M; Strittmatter W J; Landolfo K; Grocott H P; Stafford-Smith M
Preliminary report on the association of apolipoprotein E polymorphisms, with postoperative peak serum creatinine concentrations in cardiac surgical patients.
Anesthesiology 2000; 93(2):325-31 (Article; Published in Print)
Times Cited: 86
5. Kong C F; **Chew S T**; Ip-Yam P C
Intravenous opioids reduce airway irritation during induction of anaesthesia with desflurane in adults.
British journal of anaesthesia 2000; 85(3):364-7 (Article; Published in Print)
Times Cited: 70
6. McCreath Brian J; Swaminathan Madhav; Booth John V; Phillips-Bute Barbara; Chew Sophia T H; Glower Donald D; Stafford-Smith Mark
Mitral valve surgery and acute renal injury: port access versus median sternotomy.
The Annals of thoracic surgery 2003; 75(3):812-9 (Article; Published in Print)
Times Cited: 32
7. **Chew S T H**; Ip-Yam P C; Kong C F
Recovery following tonsillectomy a comparison between tramadol and morphine for analgesia.
Singapore medical journal 2003; 44(6):296-8 (Article; Published in Print)
Times Cited: 21
8. Soh Chai R; Pietrobon Ricardo; Freiburger John J; Chew Sophia T; Rajgor Dimple; Gandhi Mihir; Shah Jatin; Moon Richard E
Hyperbaric oxygen therapy in necrotising soft tissue infections: a study of patients in the United States Nationwide Inpatient Sample.
Intensive care medicine 2012; 38(7):1143-51 (Article; E-Published Ahead of Print)
JIF: 4.76; Times Cited: 37
9. **Chew S T H**; Mar W M T; Ti L K
Association of ethnicity and acute kidney injury after cardiac surgery in a South East Asian

population.

British journal of anaesthesia 2013; 110(3):397-401 (Article; Published in Print)

JIF: 6.234; Times Cited: 15

10. **Sophia TH Chew**, Lian Kah Ti
Reply to the editor on association of ethnicity and acute kidney injury after cardiac surgery in a South east Asian population.
British Journal of anaesthesia 2013; NA:NA-NA (Article; Published in Print)
JIF: 6.235; Times Cited: 0
11. Ng Roderica Rui Ge; Chew Sophia Tsong Huey; Liu Weiling; Shen Liang; Ti Lian Kah
Identification of modifiable risk factors for acute kidney injury after coronary artery bypass graft surgery in an Asian population.
The Journal of thoracic and cardiovascular surgery 2014; 147(4):1356-61 (Article; Published in Print)
JIF: 4.205; Times Cited: 34
12. Ng Roderica Rui Ge; **Chew Sophia Tsong Huey**; Liu Weiling; Shen Liang; Ti Lian Kah
Reply to the editor.
The Journal of thoracic and cardiovascular surgery 2014; 148(1):367-8 (Article; Published in Print)
JIF: 4.235; Times Cited: 0
13. Ge Ng Roderica Rui; **Huey Chew Sophia Tsong**; Liu Weiling; Kah Ti Lian
Persistent kidney injury at hospital discharge after cardiac surgery with cardiopulmonary bypass in patients with normal preoperative serum creatinine and normal estimated glomerular filtration rate.
Journal of cardiothoracic and vascular anesthesia 2014; 28(6):1453-8 (Article; Published in Print)
JIF: 1.712; Times Cited: 3
14. Saito T; Liu W; **Chew S T H**; Ti L K
Incidence of and risk factors for difficult ventilation via a supraglottic airway device in a population of 14,480 patients from South-East Asia.
Anaesthesia 2015; 70(9):1079-83 (Article; Published in Print)
JIF: 5.431; Times Cited: 7
15. Ng Roderica Rui Ge; Myat Oo Aung; Liu Weiling; Tan Teing Ee; Ti Lian Kah; **Chew Sophia Tsong Huey**
Changing glucose control target and risk of surgical site infection in a Southeast Asian population.
The Journal of thoracic and cardiovascular surgery 2015; 149(1):323-8 (Article; Published in Print)
JIF: 4.235; Times Cited: 10
16. **Ng RR**, Chew ST, **Liu W**, **Ong P**, **LK Ti**
The inflammatory response between miniaturized and conventional cardiopulmonary bypass after cardiac surgery in an Asian population.
Perfusion 2015; 30(6):484-494 (Article; Published in Print)
JIF: 1.134; Times Cited: 0
17. Saito T; Liu W; **Chew S T H**; Ti L K

- Incidence of and risk factors for difficult ventilation via a supraglottic airway device in a population of 14,480 patients from South-East Asia.
 Anaesthesia 2015; 70(9):1079-83 (Article; Published in Print)
 JIF: 4.74; Times Cited: 11
18. Fang Ming Lim, Andi S Putra, Jo Ern Yeoh, LK Ti, **Sophia TH Chew**
 Development of an automatic blood aspiration device for periodic measurement of blood glucose level.
 ASME 2015; 9:020932-3 (Article; Published in Print)
 JIF: 0.394; Times Cited: 0
 19. Ming Ann Sim, Weiling Liu, Lian Kah Ti, **Sophia Chew**
 Wider perioperative glycaemic fluctuations increase risk of postoperative acute kidney injury : A prospective cohort study.
 Medicine 2015; NA(2.13):NA-NA (Article; E-Published Only (Never in Print)/E-collection)
 Times Cited: 2
 20. **Chew S T H**; Ng R R G; Liu W; Goh S G; Caleb M G; Ti L K
 Miniaturized versus conventional cardiopulmonary bypass and acute kidney injury after cardiac surgery.
 Perfusion 2016; 31(1):60-7 (Article; Published in Print)
 JIF: 1.134; Times Cited: 2
 21. Ming Ann Sim, R Ng, G Hong, LK Ti, **STH Chew**
 The association of acute kidney injury and atrial fibrillation after cardiac surgery in an Asian prospective cohort study
 medicine 2016; 95(12):NA-NA (Article; E-Published Only (Never in Print)/E-collection)
 JIF: 1.803; Times Cited: 6
 22. Zhang Wei; Liu Weiling; **Chew Sophia T H**; Shen Liang; Ti Lian Kah
 A Clinical Prediction Model for Postcardiac Surgery Atrial Fibrillation in an Asian Population.
 Anesthesia and analgesia 2016; 123(2):283-9 (Article; Published in Print)
 JIF: 3.827; Times Cited: 2
 23. Nah Chung Wei; Ti Lian Kah; Liu Weiling; Ng Roderica Rui Ge; Shen Liang; **Chew Sophia Tsong Huey**
 A clinical score to predict acute kidney injury after cardiac surgery in a Southeast-Asian population.
 Interactive cardiovascular and thoracic surgery 2016; 23(5):757-761 (Article; E-Published Only (Never in Print)/E-collection)
 JIF: 1.857; Times Cited: 2
 24. Saito T; **Chew S T H**; Liu W L; Thinn K K; Asai T; Ti L K
 A proposal for a new scoring system to predict difficult ventilation through a supraglottic airway.
 British journal of anaesthesia 2016; 117 Suppl 1:i83-i86 (Article; Published in Print)
 JIF: 6.235; Times Cited: 5
 25. Wei Zhang, Weiling Liu, **Sophia TH Chew**, Liang Shen, Lian Kah Ti
 COMMENT ON A CLINICAL PREDICTION MODEL FOR POSTCARDIAC SURGERY ATRIAL FIBRILLATION IN AN ASIAN POPULATION
 Anaesthesia and Analgesia 2017; 124(3):1012-1013 (Article; Published in Print)

JIF: 3.463

26. Mohammad Ikhsan, Kok Kiong Tan, Andi Sudjana Putra, **Sophia Chew**, Chee Fai Kong
Automatic identification of blood vessel cross section for central venous catheter placement
using a cascading classifier.
IEEE 2017; NA:NA-NA (Article; E-Published Only (Never in Print)/E-collection)
27. STH Chew, R Ng, WL Liu, LK Ti
Acute kidney injury increases the risk of end-stage renal disease after cardiac surgery in an
Asian population : a prospective cohort study
BMC Nephrology 2017; NA:NA-NA (Article; E-Published Only (Never in Print)/E-collection)
JIF: 2.289; Times Cited: 0
28. Vikaesh Moorthy, Ming Ann Sim, Lian Kah Ti, **Sophia TH Chew**
Association Between Ethnicity and Postoperative Hyperglycemia in a South East Asian
Population Undergoing Cardiac Surgery
J Cardiothoracic and Vascular Anesthesia 2018; NA:NA-NA (Article; E-Published Only
(Never in Print)/E-collection)
JIF: 1.574
29. Ming Ann Sim, Weiling Liu, **Sophia TH Chew**
Wider perioperative glycemic fluctuations increase risk of postoperative atrial fibrillation and
ICU length of stay
PLOS One 2018; NA:NA-NA (Article; E-Published Only (Never in Print)/E-collection)
JIF: 2.766
30. Ming Ann Sim, Sim MA, Liu W, Ng RR, Ti LK, Chew ST. Wider Perioperative Glycaemic
Fluctuations Increase Risk of Postoperative Acute Kidney Injury. *Medicine (Baltimore)*. 2015
Nov;94(44):e1953. doi: 10.1097/MD.0000000000001953.
31. T Saito, Chew STH, Liu W, Thinn KK, T Asai, Ti LK. A proposal for a new scoring system
to predict difficult ventilation through a supraglottic airway. *BJA: British Journal of Anaesthesia*,
Volume 117, Issue suppl_1, 1 September 2016, Pages i83–i86,
<https://doi.org/10.1093/bja/aew191>
32. Saw KME, Ng RGR, Chan SP, Ang YH, Ti LK, Chew THS (2019) Association of genetic
polymorphisms with acute kidney injury after cardiac surgery in a Southeast Asian population.
PLoS ONE 2019;14(4): e0213997. <https://doi.org/10.1371/journal.pone.0213997>
33. Moorthy V, Sim MA, Liu W, Chew STH, Ti LK. Risk factors and impact of post-operative
hyperglycemia in non-diabetic patients after cardiac surgery: a prospective study. *Medicine
(Baltimore)*. 2019 Jun;98(23):e15911. doi: 10.1097/MD.00000000000015911.
34. Moorthy V, Liu W, Chan SP, Chew STH, Ti LK. Elucidation of the novel role of ethnicity and
diabetes in poorer outcomes after cardiac surgery in a multiethnic southeast asian cohort. *J
Diabetes*. 2019 Jun 18. doi: 10.1111/1753-0407.12961.

35. Moorthy V, Liu W, Chew STH, Ti LK. Impact of diabetes on outcomes of cardiac surgery in a multiethnic Southeast Asian population. *Diabetes and Vascular Disease Research* 2019 Nov; 16(6):549-555

36. Saito T, Asai T, **Sophia CTH**, Liu W, Thinn KK, Ti LK. Correlation between failed facemask ventilation, failed ventilation through a supraglottic airway and difficult tracheal intubation in unexpected difficult airways: An observational study. *J Clin Anesth* 2019 Aug;60:34-35

37. Wen En Joseph Wong, Siew Pang Chan, Ti LK, **Sophia Chew**. Assessment of acute kidney injury risk using a machine-learning guided generalized structural equation model : a cohort study. *BMC Nephrology* 22(1), 2021 doi:10.1186/s12882-021-02238-9

38. Ming Ann Sim, Lian Kah Ti, Sandhya Mujumdar, **Sophia Tsong Huey Chew**, Donna Penanueva, Sophia Ang. Sustaining the Gains: A 7 year follow-through of a Hospital-wide Patient Safety Improvement Project on Hospital-wide Adverse Events Outcomes and Patient Safety Culture. *Journal of Patient Safety* VVol 18, No 1 January 2022

39. T Saito, **CTH Sophia**, W Liu, KK Thinn, LK Ti. Prediction of failed facemask ventilation: New scoring system for difficult airway. *Journal of Anaesthesia* 2020, 34, 367-372.

40. T Saito, Asai T, **STH Chew**, Ti LK. Correlation between failed facemask ventilation, failed ventilation through a supraglottic airway and difficult tracheal intubation in unexpected difficult airways: An observational study. *J Clin Anesth* 2020;60:34-35

41. Wenjun Koh, **Sophia TH Chew**, Anselm Brauer, Lian Kah Ti. Perioperative temperature management: a survey of 6 Asia-Pacific countries. *BMC Anesthesiol* 2021 21:205.

<https://doi.org/10.1186/s12871-021-01414-6>

42. Kevin Wang, **Sophia TH Chew**, Lian Kah Ti, Liang Shen. New-onset Atrial Fibrillation after Cardiac Surgery is a Significant Risk Factor for Long-term Stroke: An 8-Year Prospective Cohort Study" – *J Cardiothorac Vasc Anesth* 2021 Jul *, S1053-0770(21) 00575-9.

Doi:10.1053/j.jcva.2021.07.003

43. Yuhe Ke, **Sophia Chew**, Edwin Seet, Wan Yi Wong, Vera Lim, Nelson Chua, Junbin Zhang, Beatrice Lim, Vanessa Chua, Ne-hooi Will Loh, Lian Kah Ti. Risk factors of post-anaesthesia care unit delirium in patients undergoing non-cardiac surgery in Singapore. *Singapore Med J* 2021 Oct 11 10.11622/smedj.2021129

44. Y Ke, **S Chew**, E Seet, WY Wong, LK Ti. Incidence and risk factors of delirium in post anaesthesia care unit. *Annals of the Academy of Medicine, Singapore* 2022, 51(2),87-95.

45. Hyungmook Lee, TJ Gan, **Sophia TH Chew**, Edwin Seet, Vera Lim, Lian Kah Ti. Awareness and Perspectives among Asian Anesthesiologists on Postoperative Delirium: A Multinational Survey. *J Clin Med* 2021, 10(24), 5769 <https://doi.org/10.3390/jcm10245769>

46. Claribel Foo, **STH Chew**, Jianjun Liu, LK Ti et al. Variant landscape of the RYR1 gene based on whole genome sequencing of the Singaporean population. *Sci Rep* 2022 Mar 31;12(1):5429 doi:10.1038/s41598-022-09310-w

47. Jia-Hui Chua, Brenda Sim, Tina Koh, **Sophia Chew**. Obstructive fibrinous pseudomembrane tracheitis after double lumen tube intubation: a case report. *Korean J Anesthesiol* 2022 Feb 22. Doi:10.4097/kja.21460

48. Sim Ming Ann, Ti Lian Kah, **Sophia Chew**. The Constancy of Change – Adapting Anesthesia Medical Student Education in the time of COVID. *Update in Anaesthesia* 2021. Doi:10.1029/WFSA-d-21-00015

49. Ke Yuhe, **Sophia Tsong Huey Chew**, Lian Kah Ti. Comparison of postoperative cognitive decline in patients undergoing miniaturized cardiopulmonary bypass: A randomized controlled trial. *Annals of Cardiac Anaesthesia* 2020, Vol 23, Issue 3: pg309-314

50. Flora Wen Xin Xu, **Sophia Tsong Huey Chew**, Lian Kah Ti. Point of Care platelet function testing for guided transfusion in neurosurgical management of intracranial haemorrhage: A systematic review. *European Journal of Medical Research* 27(1),1-9, 2022.

51. Edwin Seet, Edith Wong, Sophia Chew, Lian Kah Ti, Chandar Mohan, Nelson Chua. A survey of Singapore anaesthesiologists for practice and prevention of peri-operative hypothermia in adult surgical patients. *Ann Acad Med Singap* 2021;50:362-5

(ii) Review Articles

1. **Sophia Chew**, Nian Chih Hwang
Acute Kidney Injury After Cardiac Surgery. A Narrative Review of the Literature
J Cardiothoracic and Vascular Anesthesia 2019, April; NA:NA-NA (Review Article; E-Published Ahead of Print)
JIF: 1.574
2. Ke YH, Koh WJ, **Chew ST**, Ti LK.
Postoperative residual neuromuscular blockade (rNMB) following low-dose (less than 2xED95) atracurium in patients receiving laryngeal mask airway – An audit study
Medical Safety & Global Health 2018; NA:NA-NA (Review Article; Accepted)
JIF: 1.65

(iii) Letters (e.g. to Editor), Editorials & Case Reports

1. Grocott HP, Carduno, **Chew S**
Microbubble intravenous contrast during TEE: agitated 0.9% saline versus agitated 0.9%

saline with benzyl alcohol.

J Cardiothorac Vasc Anesth 1999; 13(4):513-NA (Letter; Published in Print)

2. Anqi Lu ,**Sophia Tsong Huey Chew**

Successful use of extracorporeal cardiopulmonary membrane oxygenation in acute severe aortic regurgitation with cardiovascular collapse

Proceedings in Singapore Healthcare 2019 March; NA:NA-NA (Case Report; E-Published O (Never in Print)/E-collection)

3. **Sophia Chew** Ti LK

Research In Anaesthesia-The PEGASUS Journey

The Asia PAcific Scholar 2019, May; NA:NA-NA (Editorial;)

4 Nelson Chua, Tze Wee Lee, **Tsong Huey Sophia Chew**, Chandra Mohan Kumar.

Non-anaesthesiologists administering propofol in the Singapore context. Letter to the editor Annal Academy of Medicine Vol 51 No 7,448-449, July 2022. <https://doi.org/10/47102/annals-acadmedsg.202279>

(i) Reviews Articles

1. **Chew S**

Renal transplant- An Anaesthetic Perspective

Proceedings 1997; 6(3):52-55 (Review Article; Published in Print)

2. LKD Koh, C Ip-Yam, CF Kong **S Chew**

Evaluation of a modified grading system for direct laryngoscopy: our preliminary experience in Singapore.

Proceedings 2000; 9(2):79-82 (Review Article; Published in Print)

(ii) Letters (e.g. to Editor), Editorials & Case Reports

1. H Chan**STH Chew**

Unanticipated difficult laryngoscopy in a diabetic patient undergoing coronary artery bypass graft surgery

Diabetes Research-Open 2017; NA:NA-NA (Case Report; In Press)

(B) Top 10 Publications

Rank	Publication Category	Article Title	Publication Name	Edition No.	Publication Year	Remarks
1	Refereed Journals: Original Articles	Preliminary report on the association of apolipoprotein E polymorphisms, with	Anesthesiology	Not Applicable	2000	

		postoperative peak serum creatinine concentrations in cardiac surgical patients.				
2	Refereed Journals: Original Articles	Association of ethnicity and acute kidney injury after cardiac surgery in a South East Asian population.	British journal of anaesthesia	Not Applicable	2013	
3	Refereed Journals: Original Articles	Changing glucose control target and risk of surgical site infection in a Southeast Asian population.	The Journal of thoracic and cardiovascular surgery	Not Applicable	2015	
4	Refereed Journals: Original Articles	Incidence of and risk factors for difficult ventilation via a supraglottic airway device in a population of 14,480 patients from South-East Asia.	Anaesthesia	Not Applicable	2015	
5	Refereed Journals: Original Articles	A proposal for a new scoring system to predict difficult ventilation through a supraglottic airway.	British journal of anaesthesia	Not Applicable	2016	
6	Refereed Journals: Original Articles	Identification of modifiable risk factors for acute kidney injury after coronary artery bypass graft surgery in an Asian population.	The Journal of thoracic and cardiovascular surgery	Not Applicable	2014	
7	Refereed Journals: Original Articles	A Clinical Prediction Model for Postcardiac Surgery Atrial Fibrillation in an Asian Population.	Anesthesia and analgesia	Not Applicable	2016	
8	Refereed Journals: Original Articles	The association of acute kidney injury and atrial fibrillation after cardiac surgery in an Asian prospective cohort study	medicine	Not Applicable	2016	
9	Refereed Journals: Original Articles	A clinical score to predict acute kidney injury after cardiac surgery in a Southeast-Asian population.	Interactive cardiovascular and thoracic surgery	Not Applicable	2016	
10	Refereed Journals: Original Articles	Acute kidney injury increases the risk of end-stage renal disease after cardiac surgery in an Asian population : a prospective cohort study	BMC Nephrology	Not Applicable	2017	

(9) Editorship

Reviewer, Annals of Academy of Medicine

REviewer, BMC Nephrology

(10) Education Activities (Teaching Portfolio)

(A) Educational Philosophy

Inclusive of the following elements: personal theory of learning, goals of instruction, role and responsibility of the student and instructor, and a description of the variables that promote learning.

I believe in seeking the value of each student that I mentor. I treat them with mutual respect, and value integrity, humility, professionalism and honesty. By treating each student in equal partnership has enabled me to nurture raw talent into excellent award winning students. This has validated the student's self worth and encouraged each one to seek higher grounds in their research. The constant push to excellence has been the cornerstone of my career and I seek to imbue each student to dig deeper to reach their own pinnacle of excellence.

(B) Seminars / Lectureships

(i) Local

Li Zongbin
Ke YuHe
Goh Jia Ying
Vikaesh Moorthy
Joseph Wong
Keith Yong
Gerald Lim Ruijie
Roderica Ng
Sim Ming Ann
Zhang Wei
Nah Chung Wei
Eddy Saw
Dayna Yong
Lawrence Law
Shanice Ker
Diana Chan
Hazel Chan

(ii) International

Saito Tomoyuki
Ethan Llm
Kowa Chaoying

(C) Teaching Activities in Local Institutions (Optional for Faculty Candidates who are PhD Research Investigators)

(i) Undergraduate Education:

Inclusive of date, title of teaching, audience and evaluation (if available).

Development of an undergraduate research program for anaesthesia

- Mentorship for students to undertake a research project with successful abstract presentation and manuscript publication
- Students have won several awards for abstracts presentation, including local, regional and overseas conferences. Most notably 2 students who completed their projects in their 1st and 5th year of medical school won the 1st and 3rd prize at the Association of Anaesthetists' of Great Britain and Ireland annual scientific meeting in 2016. Another 5th year medical student won one of the best abstract at the 2016 Society of Cardiovascular Anesthesiologists' Meeting.
- 3 students under my mentorship have been awarded the SingHealth Medical Student Talent Award under the surgery ACP 2013 and 2015, 2016
- 1 student was awarded a book prize for Surgery ACP Research Day for her shortlisted project 2015
- 3 students won Best Poster awards at the 2017 Anaesthesia ACP Academic Day
- Successful publications by the students in high impact journals (including Medicine, JTCVS,

Perfusion)

(ii) Postgraduate Education:

Inclusive of date, title of teaching, audience and evaluation (if available).

MMED examiner for local and overseas Anaesthesia including Hong Kong and Malaysia 2015, 2016, 2017 TILL CURRENT

(D) Leadership Positions / Roles in Education

Developed coaching for both undergraduate and postgraduate students in Anaesthesia
Deputy Vice Chair, ACP research
Director of research Anaesthesia
Alternate representative Anaesthesiology ACP to SGH Research Council
I personally mentored several postgraduate residents, associate consultants and consultants to help them in publication and research methodologies

(E) Advisory / Mentoring Role:

<u>Family Name</u>	<u>Given Name</u>	<u>Programme</u>	<u>Title of Programme</u>	<u>From</u>	<u>To</u>	<u>Current Position</u>
Ng	Roderica	MBBS	UROP	01/2010	Present	Resident
Sim	Ming Ann	MBBS	UROP	01/2010	Present	Resident
Nah	Chung Wei	MBBS	UROP	01/2010	Present	Medical Officer, SAF
Kowa	Chao Ying	MBBS	Overseas attachment	01/2010	Present	Medical Officer
Zhang	Wei	MBBS	UROP	01/2010	Present	Medical Officer
Ke	YuHe	MBBS	SMSTDA award	01/2014	Present	House Officer
Lim	Ethan	MBBS	Overseas attachment	01/2014	Present	Medical Officer
Saw	Eddy	Residency		01/2014	Present	Senior Resident
Lim	Ruijie, Gerald	MBBS	UROP	01/2014	Present	Medical Student
Goh	Jia Ying	MBBS	SMSTDA award	01/2014	Present	Medical Officer
Yong	Dayna	MBBS	UROP	01/2014	Present	House Officer
Wong	Joseph	MBBS	UROP, SMSTDA	01/2014	Present	Medical Student
Yong	Keith	MBBS	UROP	01/2014	Present	Medical Student
Law	Lawrence	MD	UROP	01/2012	Present	Medical Officer
Ker	Shanice	MBBS	UROP	01/2014	Present	House Officer
Saito	Tomo	Fellowship		01/2014	Present	Consultant
Li	Zongbin	MBBS	UROP	01/2014	Present	Medical Officer
Chan	Diana	Post doctorate		01/2017	Present	Consultant
Chan	Hazel	Post doctorate		01/2016	Present	Consultant

(F) Educational Administration:

Adj Associate Professor, Yong Loo Lin School of Medicine, NUS from 1 Jan 2017 to date
 Adj Assistant Professor, Yong Loo Lin School of Medicine, NUS from 1 Jan 2013 to Dec 2016
 Adj Assistant Professor, Program in Cardiovascular and Metabolic Disorders, Duke- NUS, 2015
 Adj Assistant Professor, Clinical and Faculty Affairs Dec 2015

(11) Conferences Attended and Speaking Invitations

(A) With Oral Presentations

<u>Presentation Title</u>	<u>Conference Name</u>	<u>Country</u>	<u>Organiser</u>	<u>Conference Date</u>
A survey of patients' knowledge of anaesthesia and perioperative care.	8th General Scientific Meeting, Chapter of Anaesthetists, Academy of Medicine, Singapore Society of Anaesthesiologists	SINGAPORE	Singapore Society of Anaesthesiologists	5/1997
Preoperative versus postoperative pethidine for extraction of impacted third molars.	8th General Scientific Meeting, Chapter of Anaesthetists, Academy of Medicine,	SINGAPORE	Singapore Society of Anaesthesiologists,	5/1997
Apolipoprotein E phenotype does not predict risk of renal impairment after CABG surgery.	SCA 1998	USA	Society of Cardiovascular Anesthesiologists	4/1998
Perception of Anaesthesia as a profession- effect of a six month posting in the specialty.	Asean Congress of Anaesthesiologists	SINGAPORE	Asean Society of Anaesthesiologists	7/1999
Acute renal dysfunction after cardiac surgery and apolipoprotein E polymorphisms.	American University of Anesthesiologists Meeting	USA	American University of Anaesthesiologists	9/1999
"Research and anaesthesia"	3rd International Chinese Cardiovascular Anesthesia Forum 2007	SINGAPORE	Chinese Cardiovascular Anesthesia Society	5/2007
Perioperative glycemic control in cardiac surgical patients	Asian Society of Cardiothoracic Anaesthesia Meeting	INDIA	Asian Society of Cardiothoracic Anaesthesia	10/2007
A preliminary report on the association of diabetes mellitus and ethnicity with acute kidney injury after cardiac surgery	Postgraduate Assembly in Anesthesiology Meeting	USA	PGA	12/2009
: The Influence of ethnicity on the development of postoperative stroke in patients undergoing cardiac surgery.	SG-Duke Anaesthesia Update	SINGAPORE	Singapore Society of Anaesthesiologists	12/2010

PERIOPERATIVE USE OF ACE-INHIBITORS IS NOT ASSOCIATED WITH ACUTE KIDNEY INJURY AFTER CARDIAC SURGERY	SG-Duke update in Anaesthesia	SINGAPORE	Singapore Society of Anaesthesiologists	12/2010
Association between lowest hematocrit during cardiopulmonary bypass and acute kidney injury	ERA-EDTA	UNITED KINGDOM	ERA-EDTA	6/2012
Association of ACE D allele with acute kidney injury in non Chinese patients after cardiac surgery	ERA-EDTA	UNITED KINGDOM	ERA-EDTA	6/2012
Identification of Modifiable Risk Factors for Acute Kidney Injury After Coronary Artery Bypass Graft Surgery in an Asian Population. Abstract.	Asian Society of Cardiovascular Anaesthesia Meeting	SINGAPORE	Asian Society of cardiovascular Anaesthesia	5/2013
Predictors of acute kidney injury after cardiac surgery.	Asean Congress of Anaesthesiologists	SINGAPORE	ASCA	10/2013
Incidence, risk factors and outcomes for atrial fibrillation after coronary artery bypass grafting in a Singapore cohort	Asean Congress of Anaesthesiologists	SINGAPORE	ASCA	10/2013
Perioperative care of the pacemaker patient presenting for emergency surgery	18th Asean Congress of Anaesthesiologists	SINGAPORE	Asean Society of Anaesthesiologists	11/2013
Ethnic Differences in Renal Injury following Cardiac Surgery	ANZCA Annual Scientific Meeting	SINGAPORE	ANZCA	5/2014
The incidence and risk factors of difficult laryngeal mask ventilation in a south-east Asian population	International Anaesthesia Research Society Annual Meeting 2015 (Kosaka nominee)	USA	IARS	3/2015
'Third Space	Society of Cardiovascular Anesthesiologists Annual Meeting	USA	SCA	4/2015
A clinical score to predict acute kidney injury after cardiac surgery in an Asian population.	52nd European Renal association-European Dialysis and Transplant Association Congress	UNITED KINGDOM	ERA-EDTA	5/2015
Preoperative renal function and acute kidney injury after coronary artery bypass grafting in an Asian population	Winter Scientific Meeting AAGBI 2016 (3rd Prize)	UNITED KINGDOM	AAGBI	1/2016
New onset atrial fibrillation and chronic atrial fibrillation and the risk of stroke in post cardiac surgery patients	Society of Cardiovascular Anesthesiologists Annual Meeting 2016	USA	SCA	4/2016
Heparin sensitivity and resistance	Society of Cardiovascular Anesthesiologists Annual Meeting	USA	SCA	4/2016
Acute kidney Injury after cardiac Surgery	BITS International Conference	CHINA	BITS	11/2016
Evaluating the effects of 6% hydroxyethyl starch 130/0.4 in cardiopulmonary bypass priming on acute kidney injury	Winter Scientific Meeting by AAGBI 2016 (1st Prize)	UNITED KINGDOM	AAGBI	1/2017

Postoperative residual neuromuscular blockade following low dose atracurium in patients with laryngeal mask airway	Winter Scientific Meeting AAGBI 2017 (Top 10 original research)	UNITED KINGDOM	AAGBI	1/2017
Risk factors for acute kidney injury in a South East Asian General Surgical Intensive Care Unit	Anaesthesia ACP Academic Day 2017 (Top prize)	SINGAPORE	Division of Anaesthesiology SingHealth	8/2017
Predictors of mortality in a multi-ethnic Southeast Asian Surgical Intensive Care Unit population	Anaesthesiology Academic Day 2017 (Runner Up)	SINGAPORE	Division of Anaesthesiology SingHealth	8/2017
Acute kidney injury and 5 year risk of death, acute myocardial infarction and stroke among cardiac surgical patients	Anaesthesiology Academic Day 2017	SINGAPORE	Division of Anaesthesiology SingHealth	8/2017
Perioperative predictors and impact of postoperative hyperglycaemia in nondiabetic patients after cardiac surgery	SingHealth Surgical-Anaesthesia	SINGAPORE	SingHealth	8/2017
Acute kidney injury and 5 year risk of death, acute myocardial infarction and stroke among cardiac surgical patients	. SingHealth Surgical-Anaesthesia Congress 2017	SINGAPORE	SingHealth	8/2017
Acronyms close to the Heart, VISION, POISE, EGNIMA and SIRS	SG-Duke 2015	SINGAPORE	Singapore Society of Anaesthesiologists and College of anaesthesiologists	9/2017
Acute Renal Injury- Can I do something about it	20th European Cardiology Conference	HUNGARY	Euro Cardiology 2017	10/2017
Mentorship in Research- The PEGASUS Journey	TIVA-SIVA 2018	MALAYSIA	Society of Malaysian Anaesthesiologists and College of Anaesthesiologists, Malaysia	8/2018
Minding the Gap IN Temperature Management	8th Cross Straits Anaesthesia Meeting	CHINA	Fujian 1st Hospital	10/2018
The Kidneys	ANZCA ASM Kuala Lumpur 2019	Malaysia	ANZCA	3 May 2019
Acute Kidney Injury After Cardiac Surgery	Shanghai Society of Anaesthesiologists Annual Meeting 2019	Shanghai	Shanghai Society of Anaesthesiologists	22 June 2019
The Singapore Experience in	Shanghai Hong Kong-	China	Conjoint	14/12/19

Anaesthesia	Macao-Taiwan-Singapore Anaesthesia Symposium		meeting	
Improving Safety Outcomes after Cardiac Surgery	Hong Kong College of Anaesthesiologists Annual Scientific Meeting	Virtual	Hong Kong College of Anaesthesiologists	19-20/11/22

(B) With Poster Presentations

<u>Presentation Title</u>	<u>Conference Name</u>	<u>Country</u>	<u>Organiser</u>	<u>Conference Date</u>
A survey of patients' knowledge of anaesthesia and perioperative care	8th Annual Scientific Meeting,	SINGAPORE	Singapore general Hospital	5/1997
Apolipoprotein E phenotype does not predict risk of renal impairment after CABG surgery.	Society of Cardiovascular Anesthesiologists' 20th Annual Meeting	USA	SCA	4/1998
: Apolipoprotein E phenotype does not predict risk of renal impairment after CABG surgery.	Society of Cardiovascular Anesthesiologists Meeting	USA	SCA	4/1998
Preliminary report on the association of apolipoprotein E genotype with renal impairment after coronary bypass surgery.	American Society of Anesthesiologists' Meeting	USA	ASA	10/1998
: Preliminary report on the association of apolipoprotein E genotype with renal impairment after coronary bypass surgery	American Society of Anesthesiologists' Meeting in Orlando, Florida, 1998.	USA	ASA	10/1998
Recovery following Tonsillectomy: A Comparison between Tramadol and Morphine for Analgesia.	10th Annual Scientific Meeting, Singapore General Hospital.	SINGAPORE	Singapore General Hospital	5/1999
: Acute renal dysfunction after cardiac surgery and apolipoprotein E polymorphisms.	2009 Postgraduate Assembly in Anesthesiology meeting	USA	PGA	12/2009
The Influence of ethnicity on the development of postoperative stroke in patients undergoing cardiac surgery.	Singapore-Duke Anaesthesia Update December awarded best poster.	SINGAPORE	Singapore Society of Anaesthesiologists	12/2010
PERIOPERATIVE USE OF ACE-INHIBITORS IS NOT ASSOCIATED WITH ACUTE KIDNEY INJURY AFTER CARDIAC SURGERY	2nd Singapore-Duke Anaesthesia Update	SINGAPORE	Singapore Society of anaesthesiologists	12/2010
A preliminary report on the association of diabetes mellitus and ethnicity with acute kidney injury after cardiac surgery	European Association of cardiothoracic Anaesthesia Meeting	ITALY	EACTA	5/2011
Association between lowest hematocrit during cardiopulmonary bypass and acute kidney injury	19 General Scientific Meeting of Anesthesiology	SINGAPORE	SSA	5/2011

Association between lowest hematocrit and AKI after cardiac surgery.	ERA-EDTA	UNITED KINGDOM	ERA-EDTA	5/2012
Association of ACE D allele with acute kidney injury in non Chinese patients after cardiac surgery	ERA-EDTA	UNITED KINGDOM	ERA-EDTA	5/2012
Identification of Modifiable Risk Factors for Acute Kidney Injury After Coronary Artery Bypass Graft Surgery in an Asian Population.	Asian Society of Cardiovascular Anaesthesia Meeting	SINGAPORE	Asian Society of Cardiovascular Anaesthesia	6/2013
Predictors of acute kidney injury after cardiac surgery.	. 18 Asean Congress of Anaesthesiologists	SINGAPORE	Asean Society of Anaesthesiologists	10/2013
Incidence, risk factors and outcomes for atrial fibrillation after coronary artery bypass grafting in a Singapore cohort	18 Asean Congress of Anaesthesiologists	SINGAPORE	Asean Society of Anaesthesiologists	10/2013
The role of ethnicity in new onset post coronary artery bypass graft.	18 Asean Congress of Anaesthesiologists	SINGAPORE	Asean Society of Anaesthesiologists	11/2013
Changing glucose target and risk of surgical site infection in a south east Asian population.	EACTA-ICCVA	ITALY	EACTA	9/2014
Miniaturized versus Conventional Cardiopulmonary Bypass and Acute Kidney Injury After Cardiac Surgery	EACTA-ICCVA	ITALY	EACTA-ICCVA	9/2014
The role of ethnicity in postcoronary artery bypass atrial fibrillation.	. EACTA-ICCVA	ITALY	. EACTA-ICCVA	9/2014
. Effects of music on perioperative outcomes after cataract surgery.	. NYSORA	USA	New York Society of Regional Anesthesia	9/2014
Factors affecting perioperative anxiety in cataract surgery patients	13th annual symposium on regional anaesthesia, pain and perioperative medicine	USA	NYSORA	9/2014
. Clinical prediction model for post cardiac surgery atrial fibrillation in an Asian population.	37th Society of Cardiovascular Anesthesiologists Annual Meeting and workshops and 15th international congress of Cardiothoracic and Vascular Anaesthesia	USA	SCA	4/2015
The inflammatory response between miniaturized and conventional cardiopulmonary bypass after cardiac surgery in an Asian population	37th Society of Cardiovascular Anesthesiologists Annual Meeting and workshops and 15th international congress of Cardiothoracic and Vascular Anaesthesia	USA	SCA	4/2015
. Difference in neuropsychological outcomes based on RBANS in patients undergoing conventional	37th Society of Cardiovascular Anesthesiologists Annual	USA	SCA	4/2015

and mini-invasive cardiopulmonary bypass.	Meeting and workshops and 15th international congress of Cardiothoracic and Vascular Anaesthesia			
. Development of an automatic blood aspiration device for periodic measurement of blood glucose level	Design of Medical Devices Conference April 13-16, 2015. Minneapolis, USA.	USA	Association of Medical Devices	4/2015
Acute kidney injury increases the risk of end-stage renal disease after cardiac surgery in an Asian population	52nd European Renal association-European Dialysis and Transplant Association Congress	UNITED KINGDOM	ERA-EDTA	5/2015
The association of acute kidney injury and atrial fibrillation after cardiac surgery in an Asian population.	52nd European Renal association-European Dialysis and Transplant Association Congress,	UNITED KINGDOM	ERA-EDTA	5/2015
Wider perioperative glycaemic fluctuations increases risk of postoperative acute kidney injury	52nd European Renal association-European Dialysis and Transplant Association Congress	UNITED KINGDOM	ERA-EDTA	5/2015
Wider perioperative glycemic fluctuations increase risk of postoperative atrial fibrillation.	Society of Cardiovascular Anesthesiologists 38th Annual Meeting	USA	SCA	4/2016
Acute kidney injury and surgical site infection are important predictors of 30-day mortality among patients undergoing elective cardiac surgery.	Euroanaesthesia	UNITED KINGDOM	Association of European Anaesthesia	5/2016
Association of genetic polymorphisms and acute kidney injury after cardiac surgery in an Asian population	Euroanaesthesia	UNITED KINGDOM	Association of European Anaesthesia	5/2016
. Risk factors for postoperative cognitive dysfunction following heart surgery in an Asian population	. Euroanaesthesia	UNITED KINGDOM	Association of European Anaesthesia	5/2016
. Risk factors for mortality of patients requiring dialysis after cardiac surgery.	Euroanaesthesia	UNITED KINGDOM	Association of European Anaesthesia	6/2016
Successful use of extracorporeal cardiopulmonary membrane oxygenation for acute severe aortic regurgitation with acute ischaemic liver failure and acute renal injury.	Winter Scientific Meeting AAGBI	UNITED KINGDOM	AAGBI	1/2017
Knowledge vs Practice. utility of Clinical Practice Guidelines in Anaesthesia	Winter Scientific Meeting	UNITED KINGDOM	AAGBI	1/2017
An 8 year glucose improvement project after cardiac surgery. International Forum on Quality & Safety in Healthcare	International Forum on Quality & Safety in Healthcare	UNITED KINGDOM	IHI	4/2017
: Perception of Anaesthesia as a profession- effect of a six month posting in the specialty.	11th Asean Congress of Anaesthesiologists, 1999.	SINGAPORE	Asean Society of anaesthesiologists	6/2017

Association between ethnicity and postoperative hyperglycemia in a South East Asian population undergoing cardiac surgery	Anaesthesiology ACP Academic Day	SINGAPORE	SingHealth Anaesthesiology ACP	6/2017
. Unanticipated difficult laryngoscopy in a diabetic patient undergoing coronary artery bypass graft surgery	Euroanaesthesia	SWITZERLAND	Association of European Anaesthesia	6/2017
7 year study on perioperative glucose targets and postoperative surgical site infection and mortality	Euroanaesthesia	SWITZERLAND	Association of European Anaesthesia	6/2017
Airway management in patients with only partially accessible airways : Anaesthetising the patients with a head frame	SingHealth Surgical- Anaesthesia Congress	SINGAPORE	SingHealth	8/2017
∴ Preoperative versus postoperative pethidine for extraction of impacted third molars.	8th General Scientific Meeting, Chapter of Anaesthetists, Academy of Medicine, Singapore Society of Anaesthesiologists	SINGAPORE	SSA	10/2017
An unusual case of breathlessness in the induction room	Difficult Airway Society Meeting	UNITED KINGDOM	DAS	11/2017

(14) Research Activities

(A) Research Funding Support

<u>Project Title</u>	<u>Role</u>	<u>Origin</u>	<u>Name of Grant</u>	<u>Funding Agency</u>	<u>Project Start Date</u>	<u>Duration</u>	<u>Amount</u>	<u>Currency</u>
El Dorado	Co I	Singapore	CSi Grant	ACP Anaesthesia	2020	3 years	\$99,846	SGD
Anatomy in Anaesthesia : Securing the airway	Co I	Singapore	Teaching Enhancement Grant AY 2019/2020	NUS	1/10/2019	1 year	19,368.65	SGD
Personalized Learning and Assistance for Sustainable Healthcare Management Academic Research Fund NUS Tier 1	Collaborator	Singapore	Academic Research Fund NUS Tier 1	Ministry of Education	01/10/2017	3 Year(s) 0 Month(s)	180,000.00	SGD
Acute Kidney Injury Pathway to improve long term outcomes in cardiac surgical patients	P.I.	Singapore	HSR-OBIEE Wave 3	SingHealth	01/04/2017	1 Year(s) 0 Month(s)	0.00	SGD

Singapore Atrial Fibrillation Study	Co-I.	Singapore	NMRC Health Industry Alignment Fund Cat 2	NMRC	01/04/2014	3 Year(s) 0 Month(s)	2,775,000.00	SGD
The role of ethnicity and diabetes mellitus in acute kidney injury after cardiac surgery	P.I.	Singapore	Venerable Yen-Pei NKF grant	National Kidney Foundation	01/01/2010	1 Year(s) 0 Month(s)	20,000.00	SGD
Pilot project on Perioperative Genomics and Safety Outcomes Study	P.I.	Singapore	Khoo Inaugural Grant	Khoo Foundation	01/12/2008	3 Year(s) 0 Month(s)	100,000.00	SGD
AVOCADO	Mentor	Singapore	ACP Pilot Research Grant	ACP	01/04/2022	1 year	10,000	SGD
SEAPOD	Mentor	Singapore	ACP Pilot Research Grant	ACP	01/04/2022	1 year	10,000	SGD
A machine learning model to predict successful extubation in patients with pneumonia on invasive mechanical ventilation in ICU	Mentor	Singapore	ACP Pilot Research Grant	ACP	01/04/2022	1 year	10,000	SGD
Malignant hyperthermia	PI	Singapore	SSA grant	SSA	01/06/2021	1 year	5000	SGD
Reducing Inflammatory Syndrome in Surgery-Colorectal (RISIS-CR) trial	Co I	Singapore	National Academy of Medicine Healthy Longevity with sponsor MOH and National Research Foundation of Singapore 2022	MOH, NRF	2022	1 year	50000	USD
El Dorado	Mentor	Singapore	ACP Program Funding	ACP	2020	3 years	99,846	SGD

(B) Collaboration with Local and Overseas Institution

<u>Name of Collaboration</u>	<u>From</u>	<u>To</u>	<u>Name of Collaborator(s)</u>	<u>Institution / Organisation</u>
PEGASUS	12/2008	Present	Ti Lian Kah Harold Soh	NUHS NUS
ARCA	12/2010	Present	Cara Juan MD	MD Anderson
SEAPOD	01/04/2022	Present	Ti Lian Kah et al	NUHS, TTSH, Korea, Thailand, Malaysia

(C) Research Interests

<u>Description</u>	<u>Related Clinical Skill / Experience</u>	<u>Years of Experience</u>
Perioperative and Genomics safety outcomes after cardiac surgery Optimising glucose control in the acute and chronic setting Acute kidney injury Use of artificial intelligence in optimising outcomes	Cardiac anaesthesia expertise Setting up of biorepository and publication of local results Opinion leader in acute kidney injury after cardiac surgery	25.00
Role of Ethnicity and Diabetes Mellitus in acute kidney injury after cardiac surgery	Cardiac anaesthesiology Genomics Biorepository management	25.00
Acute Kidney Injury Pathway to improve long term outcomes after cardiac surgery	Quality Improvement	12.00
Glycaemic Control and Surgery	Quality Improvement	12.00
Personalized Learning and Assistance for Sustainable Healthcare Management	Project management Artificial Intelligence Robotics	5.00

(12) Committee Work

(A) Hospital

Council Member, Singapore General Hospital Research Committee

(B) Ministry of Health

Chair, Task force of MOH "Guidelines for safe sedation practice in medical clinics
Member, MOH Medical Clinic Service Advisory Committee
Member, MOH Ambulatory Surgery Advisory Committee

(C) University / Medical School

Deputy Vice Chair, Research, Anaesthesia Academic Clinical Program
Committee member, Research Exco SGH
Mentor, Medical Grand Challenge, NUS
Mentor to UROP, NUS
MMED Examiner in Anaesthesia Singapore Part 1,2
MMED Examiner in Anaesthesia for Malaysia and Hong Kong

(D) Professional Bodies

Honorary Secretary, College of Anaesthesiologists Singapore 2011-2012
Treasurer College of Anaesthesiologists Singapore 2013-14
President, College of Anaesthesiologists, 2017-date
Council member, Academy of Medicine, Singapore 2017-date
Singapore Medical Council Panel of Medical Assessor 16/7/18-15/7/2021
Assistant Bursar, Academy of Medicine, Singapore 2020- present
Committee Member, Education Committee, World Federation of Society of Anaesthesiology (WFSA) 2021-present
President, Singapore Society of Anaesthesiologists 2022-date
Bursar, Academy of Medicine, Singapore 2022-date

(E) Others

Co Scientific Chair, World Congress of Anaesthesiology 2024
Organising Chair, 24th SGH ASM 2022

(13) Awards & Honours

<u>Honours / Awards / Distinctions</u>	<u>Conference Title</u>	<u>Award Entity</u>	<u>Country of Award Entity</u>	<u>Award Type</u>	<u>Year Awarded</u>
Kosaka Best of Meeting Award	IARS Meeting Annual Meeting	IARS	USA	Research	2019
Top 10 shortlisted abstracts	AAGBI Meeting	AAGBI	UNITED KINGDOM	Research	2017
Best oral presentation	Anaesthesia ACP Academic Day	Anaesthesia ACP	SINGAPORE	Research	2017
Runner up Best Oral Presentation	Anaesthesia ACP Academic Day	Anaesthesia ACP	SINGAPORE	Research	2017
3rd prize	SG Innovate Medical Robotics Hackathon	SG Innovate	SINGAPORE	medical robotics	2017
Mentor SMSDTA award (Joseph Wong)		SingHealth	SINGAPORE	Research	2017
1st in original research	Anaesthesia Association of Great Britain and Ireland Meeting (AAGBI)	AAGBI	UNITED KINGDOM	Research	2016
3rd in original research	Anaesthesia Association of Great Britain and Ireland Meeting (AAGBI)	AAGBI	UNITED KINGDOM	Research	2016
Best of Meeting Poster	Society of Cardiovascular Anesthesiologists	SCA	USA	Research	2016
Mentor SMSTDA award (Roderica Ng)		SingHealth	SINGAPORE	Research	2016
Mentor SMSDTA award (Goh Jia Ying)		SMSTDA SingHealth	SINGAPORE	Research	2016
Long Service Award		Singapore General Hospital	SINGAPORE	Clinical	2015
Kosaka nominee	International Anaesthesia Research Meeting	IARS	USA	Research	2015
Wong Hock Boon Society-Singapore Medical Association Outstanding Mentor Award		Wong Hock Boon Society-Singapore Medical Association	SINGAPORE	Teaching	2013
Best poster	Asian Society of Cardiovascular Anaesthesia Meeting	Asian Society of Cardiovascular Anaesthesia	SINGAPORE	Research	2013
Best poster	Singapore-Duke Anaesthesia Update	Singapore Society of	SINGAPORE	Research	2010

		Anaesthesiologists			
MOH Appreciation Excel Award nominee		Ministry of Health	SINGAPORE	Research	2009
PS21 Excel Award		Public Service Commission	SINGAPORE	Research	2009
SGH QI Project of the year 2009		Singapore General Hospital	SINGAPORE	Research	2009
Runner up Best Poster	Duke Department of Anesthesiology Academic Evening	Duke Department of Anesthesia	USA	Research	1998
HMDP		Ministry of Health	SINGAPORE	Clinical	1997

(14) Top 10 Contributions

<u>Rank</u>	<u>Description of Contributions</u>	<u>Year of Contribution</u>
1	President of College of Anaesthesiologists, Singapore As President, I overlook the academic interests of the Anaesthesiologists in Singapore, ensure quality of continuing education and enhance the professionalism of the specialty. I have also been part of the MOH appointed group to draft the sedation guidelines for non anaesthesiologists	2017
2	I was promoted to Adjunct Associate Professor of the Yong Loo Lin School of Medicine, NUS for my contribution in research mentorship for medical students	2017
3	Wong Hock Boon Society-Singapore Medical Association Outstanding Mentor Award 2013 For mentorship in research for medical students	2013
4	Inspiring Teacher Award Anaesthesia ACP Day Mentorship of medical officers	2018
5	Yong Loo Lin School of Medicine, NUS Dean's Special Recognition Award for Clinical Teachers Mentorship in research for medical students Appreciation as role model in anaesthesia	2018
6	Reviewer invitation by BMC Nephrology Recognition of content expertise in acute kidney injury	2018
7	Member of Task Force for deation by non anaesthesiologists convened by Ministry of Health	2016
8	PS21 Excel Award by Public Service commission for work done on glucose control	2009
9	Fasting Guidelines for patients presenting for surgery 2018, College of Anaesthesiologists Singapore	2018
10	Author of Self Learning Module for Maintenance of Competency by the College of Anaesthesiologists, Singapore	2018

(15) Hobbies / Special Interests

Music, reading