

Curriculum Vitae

Kum Wei Cheong Steven

Consultant Surgeon, Vascular and Endovascular Surgery
Mount Elizabeth Novena Hospital

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stevenkum@mandlinvestments.com.sg

Personal Information

Date of Birth : 20 October 1974
Citizenship : Singaporean
Race : Chinese
Marital Status : Married

Education

2000 MBBS, National University of Singapore
2004 Masters of Medicine (Surgery), National University of Singapore

Fellowship

2007 Royal College of Surgeons of Edinburgh
2008 Academy of Medicine Singapore
2009 Advanced Vascular and Endovascular Surgery, Department of Surgery, Prince of Wales Hospital, Sydney, Australia (Dr Andrew Lennox/Ramon Varcoe)
2009 Advanced Vascular and Endovascular Surgery, Department of Angiology, Park Hospital, Leipzig, Germany (Prof Dierk Scheinert/Andrej Schmidt)
2012 Advanced Wound Care Techniques, Università Vitaie Salute San Raffaele Milano, Italy (Prof Carlo Caravaggi)

Academic Appointments

2017 to 2019 Clinical Teacher, Lee Kong Chian, School of Medicine
2011 to 2019 Clinical Examiner, Yong Loo Lin School of Medicine, Singapore
2010 to 2019 Clinical Competency Committee, General Surgery Residency, Singhealth
2004 to 2019 Clinical Lecturer, Yong Loo Lin School of Medicine
2010 to 2019 Physician Faculty, General Surgery Residency Program, Singhealth

2010 to 2013 Supervisor, Singapore Medical Council Conditional and Temporary Registered Doctors

Clinical Appointments

2019 to Current Visiting Consultant, Changi General Hospital, Singapore
2014 to Current Dy Chairman, Wound Management Committee, Changi General Hospital
2013 to Current Medical Director, Novena Vascular and Varicose Vein Centre, Mount Elizabeth Novena Hospital, Singapore
2017 to Current Member, National Diabetic Foot Workgroup Singapore
2015 to 2019 Director of Vascular Service, Department of Surgery Changi General Hospital
2013 to 2019 Visiting Consultant, National University Hospital Singapore
2010 to 2011 Visiting Consultant, Khoo Teck Puat Hospital Singapore
2010 to 2011 Visiting Consultant, Tan Tock Seng Hospital Singapore

Professional Membership

- Fellow, Academy of Medicine, Singapore (FAMS)
- Fellow, Royal College of Surgeons, Edinburgh (FRCS)
- Fellow, American College of Phlebology
- Member, International Society of Endovascular Specialist
- Member, General Medical Council
- Member, Singapore Medical Association

Industry Relations

- Chief Medical Officer, M & L Healthcare Investments
- Medical Advisory Board, Clinical Proctor, LimFlow SA
- Advisory Board and Regional Proctor, Abbott Vascular
- Advisory Board and Regional Proctor, Orbus Neich
- Advisory Board, Vacuros Medical
- Advisory Board , Regional Proctor, Boston Scientific
- Regional Proctor, Medtronic
- Regional Proctor, Biotronik
- Regional Trainer, Acelity

Editorial Responsibilities

- Journal of Endovascular Therapy
- Journal of Cardiovascular Surgery

Other Certification and Licensure

- Certified Wound Specialist Physician, American Board of Wound Management
- Stealth 360® Peripheral Atherectomy System Physician Certification

Awards

- VIVA Vascular Career Advancement Award 2019
- Eastern Health Alliance Caring Award (Silver) 2017
- Quarterly Best Service Award, CGH Quality Improvement Forum 2013
- Gold Service Award, CGH Quality Convention 2013
- Eastern Health Alliance Caring Award (Gold) 2013
- Quarterly Best Service Award, Changi General Hospital 2013
- Service Quality Award (Gold), Changi General Hospital 2012
- Quality Service Award (Gold), Singapore Health 2012
- Service Quality Award (Gold), Changi General Hospital 2011
- Service Quality Award (Gold), Changi General Hospital 2010
- Service Quality Award, Changi General Hospital 2005

Publications

1. A tapered contralateral Endurant stent graft limb, deployed "up-and-over" to treat a symptomatic internal iliac aneurysm.
Kum S, Varcoe RL. Vasc Endovascular Surg. 2010 Aug;44(6):475-8. doi: 10.1177/1538574410369387. Epub 2010 May 18.
2. Angiographic patency and clinical outcome after balloon-angioplasty for extensive infrapopliteal arterial disease.
Schmidt A, Ulrich M, Winkler B, Klaeffling C, Bausback Y, Bräunlich S, Botsios S, Kruse HJ, Varcoe RL, Kum S, Scheinert D. Catheter Cardiovasc Interv. 2010 Dec 1;76(7):1047-54. doi: 10.1002/ccd.22658.
3. The open retrograde approach as an alternative for failed percutaneous access for difficult below the knee chronic total occlusions-A case series.
Saravana K, Tan YK, Kum S, Tang TY. Int J Surg Case Rep. 2015; 16:93-8. doi: 10.1016/j.ijscr.2015.08.044. Epub 2015 Sep 24.
4. Open Thrombectomy for Primary Acute Mesentericoportal Venous Thrombosis--Should It Be Done?
Wijaya R, Ng JH, See AH, Kum SW. Ann Vasc Surg. 2015 Oct;29(7):1454.e21-5. doi: 10.1016/j.avsg.2015.05.003. Epub 2015 Jun 30.
5. Molecular Characterization of a Catalase-Negative Staphylococcus aureus Blood Culture Isolate.
Teo JW, Kum S, Jureen R, Lin RT. J Clin Microbiol. 2015 Nov;53(11):3699-701. doi: 10.1128/JCM.01271-15. Epub 2015 Sep 9.
6. Venous Arterialisation for Salvage of Critically Ischaemic Limbs: A Systematic Review and Meta-Analysis.

Schreve MA, Vos CG, Vahl AC, de Vries JP, Kum S, de Borst GJ, Ünlü Ç. *Eur J Vasc Endovasc Surg.* 2017 Mar;53(3):387-402. doi: 10.1016/j.ejvs.2016.11.007. Epub 2016 Dec 24.

7. **Surgical and endovascular venous arterialization: ready to take the "desert" by storm?**
Schreve MA, Ünlü Ç, Kum S, Tan YK. *J Cardiovasc Surg (Torino).* 2017 Jun;58(3):402-408. doi: 10.23736/S0021-9509.17.09844-5. Epub 2017 Feb 2.
8. **Lessons Learned Regarding Handling and Deployment of the Absorb Bioresorbable Vascular Scaffold in Infrapopliteal Arteries.**
Varcoe RL, Thomas SD, Rapoza RJ, Kum S. *J Endovasc Ther.* 2017 Jun;24(3):337-341. doi: 10.1177/1526602817698935. Epub 2017 Mar 20.
9. **Endovascular retrograde recanalization in Asian critical limb ischaemia patients.**
Tay JS, Ching SS, Tan YK, Kum SWC. *ANZ J Surg.* 2017 Sep;87(9): E61-E64. doi: 10.1111/ans.13649. Epub 2016 Jun 3.
10. **Midterm Outcomes from a Pilot Study of Percutaneous Deep Vein Arterialization for the Treatment of No-Option Critical Limb Ischemia.**
Kum S, Tan YK, Schreve MA, Ferraresi R, Varcoe RL, Schmidt A, Scheinert D, Mustapha JA, Lim DM, Ho D, Tang TY, Alexandrescu VA, Mutirangura P. *J Endovasc Ther.* 2017 Oct;24(5):619-626. doi: 10.1177/1526602817719283. Epub 2017 Jul 12.
11. **Novel use of the ClariVein® catheter for pharmacomechanical thrombolysis of thrombosed hemodialysis grafts: a case series.**
Lim D, Ho DC, Chen L, Schreve MA, Tan YK, Kum S. *J Vasc Access.* 2017 Nov 17;18(6):508-514. doi: 10.5301/jva.5000768. Epub 2017 Jul 27.
12. **Surgical and endovascular venous arterialization for treatment of critical limb ischaemia.**
Lichtenberg M, Schreve MA, Ferraresi R, van den Heuvel DAF, Ünlü Ç, Cabane V, Kum S. *Vasa.* 2018 Jan;47(1):17-22. doi: 10.1024/0301-1526/a000669. Epub 2017 Oct 25.
13. **Complete resolution of extensive thrombosis of atheromatous non-aneurysmal descending aorta and pulmonary embolism with warfarin therapy.**
Pande SD, Kum S, Safdar Husain F, Kerner V. *BMJ Case Rep.* 2018 Apr 27;2018. pii: bcr-2017-222715. doi: 10.1136/bcr-2017-222715.
14. **Percutaneous Deep Venous Arterialization for Severe Critical Limb Ischemia in Patients with No Option of Revascularization: Early Experience From Two European Centers.**
Del Giudice C, Van Den Heuvel D, Wille J, Mirault T, Messas E, Ferraresi R, Kum S, Sapoval M. *Cardiovasc Intervent Radiol.* 2018 Oct;41(10):1474-1480. doi: 10.1007/s00270-018-2020-2. Epub 2018 Jul 17.
15. **Percutaneous deep venous arterialization in patients with critical limb ischemia.**
Kum S, Huizing E, Schreve MA, Ünlü Ç, Ferraresi R, Samarakoon LB, van den Heuvel DA. *J Cardiovasc Surg (Torino).* 2018 Oct;59(5):665-669. doi: 10.23736/S0021-9509.18.10569-6. Epub 2018 May 22.
16. **Correction to: Percutaneous Deep Venous Arterialization for Severe Critical Limb Ischemia in Patients with No Option of Revascularization: Early Experience from Two European Centers.**
Del Giudice C, Van Den Heuvel D, Wille J, Mirault T, Messas E, Ferraresi R, Kum S, Sapoval M. *Cardiovasc Intervent Radiol.* 2018 Nov;41(11):1810. doi: 10.1007/s00270-018-2047-4.

17. ClariVein™ - One-year results of mechano-chemical ablation for varicose veins in a multi-ethnic Asian population from Singapore.
Khor SN, Lei J, Kam JW, Kum S, Tan YK, Tang TY. *Phlebology*. 2018 Dec;33(10):687-694. doi: 10.1177/0268355518771225. Epub 2018 Apr 24.
18. The Demise of the Absorb BVS: Lessons Learned from the Discontinuation of a Disappearing Stent.
DeRubertis BG, Kum S, Varcoe RL. *J Endovasc Ther*. 2018 Dec;25(6):706-709. doi: 10.1177/1526602818799735. Epub 2018 Sep 12.
19. Hybrid Foot Vein Arterialization in No-Option Patients with Critical Limb Ischemia: A Preliminary Report.
Ferraresi R, Casini A, Losurdo F, Caminiti M, Ucci A, Longhi M, Schreve M, Lichtenberg M, Kum S, Clerici G. *J Endovasc Ther*. 2019 Feb;26(1):7-17. doi: 10.1177/1526602818820792. Epub 2018 Dec 28.
20. Drug-Coated Balloon Treatment of Femoropopliteal Lesions for Patients With Intermittent Claudication and Ischemic Rest Pain: 2-Year Results From the IN.PACT Global Study.
Micari A, Brodmann M, Keirse K, Peeters P, Tepe G, Frost M, Wang H, Zeller T; IN.PACT Global Study Investigators. *JACC Cardiovasc Interv*. 2018 May 28;11(10):945-953. doi: 10.1016/j.jcin.2018.02.019.
21. Novel Use of Capturex Device and Reliant Balloon for Inferior Vena Cava Tumor Thrombectomy: A Case Report and Review of Literature.
Ho D, Samarakoon L, Kai TY, Kum S, Lim D. *Vasc Endovascular Surg*. 2019 May;53(4):351-354. doi: 10.1177/1538574419831834. Epub 2019 Mar 3.

Papers Presented

1. "Endovascular treatment of concomitant thoracic aortic and peripheral arterial injury in blunt trauma"
24 to 27 April 2014
63rd International Congress of the European Society for Cardiovascular and Endovascular Surgery, Nice, France
Ong L, Koh YX, Ngu J, Kum S
2. "Successful Surgical Treatment of Symptomatic Internal Iliac Artery Mycotic Aneurysm"
25 to 27 April 2013
8th International Congress on Vascular Access, Prague, Czech Republic
Ngu J, Lin JL, Tan YK, Kum S
3. "Drug eluting balloon (DEB) angioplasty for critical lower limb ischaemia: Early CGH experience – the first Asian DEB registry"
17 to 19 January 2013
Controversies and Updates in Vascular Surgery, Paris, France
Wijaya R, Kum S, Tan YK, Tan SM

4. “Endovascular retrograde recanalization in critical limb ischaemia using the “SAFARI” technique: A single centre experience”
22 November 2012
Eastern Health Alliance Scientific Meeting 2012
(Awarded 3rd prize at the Poster Presentation)
Tay JS, Ching SS, Tan YK, Kum S
5. “Drug eluting balloon (DEB) in critical limb ischemia – Intermediate term data in Asian population”
22 November 2012
Eastern Health Alliance Scientific Meeting 2012
Kum S, Tan YK, Chua JL, Wijaya R, Tan SM
6. “Right-sided Diverticulitis: Optimal Treatment Should Be Nonoperative”
14 to 18 May 2011
American Society of Colon and Rectal Surgeons Annual Meeting, Vancouver, Canada
Ngu J, Lee LS, Kum S, Tan SM
7. “Split thickness skin graft for the closure of diabetic foot wounds in patients with arterial disease”
18 to 19 November 2011
EHA Scientific Meeting, Singapore
Huang E, Tay JM, Tyebally M, Li K, Chiow AKH, Kum S, Tan YK

Patents

1. Methods for targeting body passages
Patent number: 9706998
Date of Patent: July 18, 2017
2. Methods and systems for providing or maintaining fluid flow through body passages
Patent number: 9314329
Date of Patent: April 19, 2016
3. Devices and methods for treating lower extremity vasculature
Patent number: 9545263
Date of Patent: January 17, 2017

Research Grants

1. Co-PI, Umbilical Cord Stem Cell Therapy in Diabetic Foot Wounds, Changi General Hospital (CGH) Grant
2. PI, **DISAPEAR** Trial of **Drug Impregnated bio absorbable Stent in Asian Population Extremity Arterial Revascularization**, National Medical Research Council (NMRC) Grant

3. Co-PI, Determining Optimal Imaging Modality and Imaging features of **Drug Impregnated bio absorbable Stent in Asian Population Extremity Arterial Revascularization (DISAPEAR Study)** NMRC Grant
4. Co-PI, Medtronic The IN.PACT Global Clinical Study for the Treatment of Comprehensive Superficial Femoral and/or Popliteal Artery Lesions Using the IN.PACT Admiral™ Drug Eluting Balloon SingHealth CIRB (2012/899/C) Grant; 21 Jan 2015 – 31 July 2018
5. Co-PI Medtronic Ardian Global Registry on Renal Denervation
6. PI, Percutaneous Deep Venous Arteriolisation (LimFlow) FIM Study, Industry Sponsored
7. PI, Rotational Artherectomy, Intravascular Ultrasound (IVUS) followed by Drug Eluting Balloon (ADEBT) on the Femoral popliteal arteries, NMRC Grant
8. Co-PI PROMISE International Registry, A study to investigate the efficacy, mechanism of action and safety of the system for creating an AV fistula for the treatment of critical limb ischaemia, Industry Sponsored
9. Co-PI, BTK HPBA BULLFROG: High Pressure Balloon Angioplasty and Bullfrog Micro-Infusion of Dexamethasone for Below-Knee Revascularization, CGH Research Grant
10. Co-PI, Healing of diabetic foot wounds using umbilical cord lining mesenchymal cells – A pilot study with single centre unblended randomized control trial, CGH Research Grant
11. Co-PI, Umbilical Cord Lining Stem Cells on Ischaemic Limb in Rabbits, NMRC Grant
12. Collaborator, BIOLUX P-III All-Comers Passeo-18 Lux Registry, Industry Sponsored

Fellows / Vascular Surgery Trainees Supervised

- Lim Mingjun Darryl, Vascular Surgery Resident, Singapore
- Ho Chunyin Derek, Vascular Surgery Advanced Specialist Trainee, Singapore
- Tay Jia Sheng, Vascular Surgery Advanced Specialist Trainee, Singapore
- Saravana K, Vascular Surgery Fellow, Malaysia
- Jefferey Chua, Vascular Surgery Fellow, Philippines

Teaching

Invited Lectures

1. HMDP Training in Australia and Germany – Department of Surgery, Changi General Hospital, 2009, Singapore
2. Vascular Closure Devices – Asia PCR – Singlive, Singapore, 2010, Panelist
3. Chimney Aortic Stent Graft Technique and Percutaneous EVAR – Department of Cardiovascular Surgery, Chang Gung Memorial Hospital, 2010, Taipei, Taiwan

4. Endovascular Therapies in South East Asia – Abbott Carotid and Endovascular Advisory Forum, 2010, Singapore
5. Management of Diabetes Mellitus Foot / Peripheral Vascular Disease – Queenstown Polyclinic 2010, Singapore
6. The Hybrid OT – CGH Experience – Combined Surgical Meeting, Tan Tock Seng Hospital, 2010, Singapore
7. Critical Limb Ischaemia and the Diabetic Foot – Changi General Hospital, 2010, Singapore
8. Management of Diabetes Mellitus Foot / Peripheral Vascular Disease – Outram Polyclinic, 2010, Singapore
9. Critical Limb Ischaemia and a Diabetic Foot – Talk to Wound Care Nurse, Podiatrists from Changi General Hospital and Khoo Teck Puat Hospital, 2010, Singapore
10. Management of Diabetes Mellitus Foot / Peripheral Vascular Disease – Tampines Polyclinic, 2010, Singapore
11. Recent Advances in Diabetes Mellitus Foot Management, 2010, Singapore
12. Preventing Diabetic Foot Amputations and Proper Foot Care for Diabetic Patients – Medical Awareness Session, 2011, Jakarta, Indonesia
13. Real World EVAR / TEVAR Experience – Advanced EVAR Course, Beijing 301 Hospital, 2011, China
14. Medtronic Drug Eluting Balloon – Medical Faculty Education Program, 2011, Brescia, Italy, Guest Faculty
15. Medtronic Tech Exchange Forum, 2011, Singapore
16. Drug Eluting Balloon in Critical Limb Ischaemia – Department of Cardiothoracic Surgery and Department of Cardiology, 2011, Kuala Lumpur, Malaysia
17. International Endovascular Advance / Meeting of Taiwan Society of Vascular Surgery 2011, Taiwan
18. Contemporary Diabetic Limb Salvage – Talk to Singapore Podiatry Association, 2011, Singapore
19. Diabetic Foot Complications and Limb Salvage – Eastern Health Alliance Launch / CGH Annual Scientific Meeting – Vascular Surgery Symposium, 2011, Singapore, Organiser
20. Contemporary Diabetic Foot Limb Salvage – Talk at Diabetic Centre, Khoo Teck Puat Hospital 2011, Singapore
21. Contemporary Diabetic Foot Limb Salvage – SingHealth Polyclinic CME, 2011, Singapore
22. Management of Diabetes Mellitus Foot / Peripheral Vascular Disease – Talk at Tampines Polyclinic, 2012, Singapore
23. Update on Vascular Closure Devices – Asia PCR- Singlive, 2012, Singapore, Panelist
24. Management of Diabetes Mellitus Foot / Peripheral Vascular Disease – Lunch time talk to Geylang Polyclinic, 2012, Singapore
25. LINC Asia Pacific Hong Kong, 2012/2013/2014/2015/2016/2017/2018/2019, Guest Faculty
26. Critical Issues in Aortic Intervention – Aortic Asia 2012, Bali, Indonesia, Faculty Member
27. Cook Medical / National University Hospital Arterial Disease Training Course – Singapore 2012
28. Contemporary Diabetic Limb Salvage – Consumer Seminar, Adam Malik Hospital, 2012, Medan, Indonesia
29. Interventional Options in Venous Disease – Vascular GP Seminar, Changi General Hospital, 2012, Singapore
30. Percutaneous EVAR Workshop – 37th Annual Scientific Congress of the Royal College of Surgeons, 2012, Pattaya, Thailand
31. Taiwan Society of Vascular Surgeons Annual Scientific Meeting, 2012/2013/2016,
32. Diabetic Foot Conditions – Public Forum, Nee Soon Community Club, 2012, Singapore
33. Contemporary Diabetic Foot Limb Salvage – Rehab Multidisciplinary Meeting, 2012
34. Preventing Diabetic Foot Amputation – Merci Community Care Public Talk, Yio Chu Kang Community Club, 2012, Singapore
35. Role of Endovascular in Diabetic Foot Care – 4th Annual Scientific Meeting of the Indonesian Association of Thoracic, Cardiac and Vascular Surgery, 2012, Surabaya, Indonesia

36. Advances in Endovascular Limb Salvage – What’s on the Horizon? – Eastern Health Alliance Scientific Meeting 2012: Vascular Surgery Symposium “New Frontiers in Diabetic Limb Salvage”, 2012, Singapore, Chairman
37. Covidien Regional Support Staff Talk – Vision Crest Commercial, 2013, Covidien Singapore
38. Preventing Diabetic Foot Amputation – Merci Community Care Public Talk, Toa Payoh Central Community Club, 2013, Singapore
39. Vascular Surgery Symposium – Samsung Medical Centre, 2013, Seoul, Korea
40. Talk to Interventional Radiologist from Korea 2013
41. Public Talk on Diabetic Foot Conditions – Hougang Constituency, 2013, Singapore
42. Varicose Vein – Talk to CGH SOC Nurse 2013, Singapore
43. 1st Annual Asia Peripheral Vascular Leadership Summit – Covidien Singapore, 2013, Seoul, Korea
44. Diabetic Foot Conditions – Bedok Polyclinic Talk 2013, Singapore
45. Chimneys: The Dark Side – 23rd Congress of the Association of Thoracic and Cardiovascular Surgeons of Asia, Khoo Teck Puat Hospital, 2013, Singapore
46. VEITH Symposium, New York, 2013/2014/2015/2016/2017/2018
47. Amputation Prevention Symposium (AMP), 2014/2015/2016/2017/2018, Faculty
48. Endovascular and Coronary Revascularization – ENCORE, 2014, Seoul Korea
49. INAVAS, 2014, Jakarta, Indonesia
50. KCI training Course, 2014, Bali, Indonesia
51. VERVE Symposium, 2014/2015/2016/2017/2018, Sydney, Australia, Organising Committee Member and Panel
52. The Leipzig Interventional Course – LINC, 2015/2016/2017/2018/2019, Scientific Committee
53. LINC Dubai 2015, 2015, Dubai
54. 2nd SGH Endovascular Surgery Course, Singapore General Hospital, 2015, Singapore
55. Abbott Crossroads, 2015/2017/2018, Shanghai, China, Course Director
56. Abbott Crossroads Training, 2015/2017/2018, Shanghai China
57. Cook Medical Regional Internal Training, 2015, Singapore
58. KCI Wound Conference, 2015, Bali, Indonesia
59. Image-Guided Endovascular Therapy (IGET), 2016, Gwang-ju, South Korea, Operator for the Live Aortic Intervention
60. Abbott SUPERA Dinner Symposium, 2015, Singapore
61. CGH Wound Care Symposium, 2016/2017/2018, Singapore
62. TCTAP, 2016/2017, Seoul, Korea
63. 8th Annual Japan Endovascular Treatment (JET) Meeting, 2016, Fukuoka, Japan
64. Taiwan Society of Cardiovascular Interventions (TSCI), 2016
65. Regional Conference of Dermatology, 2016, Singapore
66. Orbus Neich Internal Training, 2016, Phuket, Thailand
67. Critical Limb Ischemia Course (CLIC), 2017/2018/2019, Abno Terme, Italy
68. 11th International Arnsberg Vascular Course, 2017, Arnsberg, Germany
69. China Plains Endovascular Conference (CPEC) 2017, Zheng Zhou, Henan, China
70. LINC Mount Sinai Endovascular Symposium, 2017/2018, New York, USA
71. 3rd Wound Symposium: Integrating the Art and Science of Wound Management, Changi General Hospital 2017, Singapore
72. The European Society for Vascular Surgery (ESVS) 31st Annual Meeting, 2017, Lyon, France
73. German Vascular Society Annual Meeting, 2017, Frankfurt, Germany
74. Endovasculology, 2017, Shanghai, China
75. 10th China Endovascular Course, 2017, Beijing, China
76. Abbott Endomasters, 2017, Sydney, Australia
77. Farrer Park Hospital Annual Scientific Meeting, 2017, Singapore
78. MyLive, 2017, Kuala Lumpur, Malaysia
79. 10th Annual Japan Endovascular Treatment (JET) Meeting, 2018, Osaka, Japan

80. Drug Eluting Stents for the SFA, 2018, China Medical University, Taiwan
81. Abbott Endomasters, 2018, Singapore, Course Co-Director
82. Boston Scientific Master the Cross Peripheral Intervention Symposium, 2018, Ho Chi Minh, Vietnam, Course Director
83. Cardiovascular and Interventional Radiological Society of Europe (CIRSE), 2018, Lisbon, Portugal
84. Vascular InterVentional Advances (VIVA), 2018, Las Vegas, USA
85. Critical Issues in Endovascular Therapy, 2018, Singapore, Course Director
86. Dutch Society of Vascular Surgeons Meeting "Vaatdagen", 2018, Noordwijkerhout, The Netherlands
87. Japanese Society of Limb Salvage, 2018, Sapporo, Japan
88. 11th Annual Japan Endovascular Treatment (JET) Meeting, 2019, Tokyo Japan
89. Thai Vascular Association Annual Scientific Meeting, 2019, Boston Scientific Lunch Symposium, Chairman

Live Case Workshops

1. Teaching Faculty, Medtronic Basic Guidewire and Skills Course, Singapore, 2010
2. Teaching Faculty, Physician Basic Guidewire Catheter and Imaging Skills Course by Medtronic Singapore, 2010
3. Guest Surgeon, "Chimney" Aortic Stent Graft and Iliac Bifurcated Device – Leipzig Intervention Course (LINC), Leipzig, Germany, 2010
4. Convenor and Principal Surgeon, Medtronic Peripheral Vascular Intervention Course, Changi General Hospital, Singapore, 2011
5. Proctor, Aortic Aneurysm Proctorship, Department of Cardiothoracic Surgery, University Malaya Medical Centre, Kuala Lumpur, Malaysia, 2011
6. Convenor and Principal Surgeon, Medtronic Peripheral Vascular Intervention Course / Eastern Health Alliance Annual Scientific Meeting, Changi General Hospital, Singapore, 2011
7. Convenor and Principal Surgeon, Medtronic Peripheral Vascular Intervention Course, Changi General Hospital, Singapore, 2012
8. Guest Operator, Percutaneous EVAR Workshop, 37th Annual Scientific Congress of the Royal College of Surgeons, Pattaya, Thailand, 2012
9. Convenor and Principal Operator, Abbott Peripheral Vascular Intervention course, Changi General Hospital, Singapore, 2012
10. Faculty Member, COOK Peripheral Intervention Workshop, National University Hospital, Singapore, 2013
11. Faculty Member, Medtronic TCCE Symposium, Bangkok, Thailand, 2013
12. Organiser and Faculty Member, Medtronic Endovascular Workshop, Changi General Hospital, Singapore, 2013
13. Faculty Member, CGH/Abbott Peripheral Intervention Workshop, Singapore, 2013
14. Faculty Member, Abbott Peripheral Intervention Workshop, National University Hospital, Singapore, 2013
15. Faculty Member, CGH/Medtronic TCCE Peripheral Essentials Workshop Changi General Hospital, Singapore, 2014
16. Faculty, Medtronic TCCE Peripheral Essentials Workshop, Ho Chi Minh, Vietnam, 2014
17. Covidien Peripheral Workshop, Changi General Hospital, Singapore, 2014
18. Course Co-Director, COOK Complex Intervention Course (CIC), National University Hospital, Singapore, 2014
19. Course Co-Director, COOK Peripheral Interventions Workshop, National University Hospital, Singapore, 2014
20. Course Director, Peripheral Intervention Workshop, BIOTRONIK, Ho Chi Minh, Vietnam, 2014

21. Convenor and Principal Surgeon, Abbott Peripheral Vascular Intervention Course, Singapore, 2014
22. Convenor and Principal Surgeon, "Master the Cross" Lower Limbs Peripheral Intervention Workshop - Boston Scientific Asia Pacific Office, Singapore, 2015
23. Convenor and Principal Surgeon, Abbott Peripheral Vascular Intervention Course, Singapore, 2015
24. Convenor and Principal Surgeon, CGH / Boston Scientific "Master the Cross" Lower Limb Peripheral, Singapore, 2015
25. Intervention Workshop, Changi General Hospital, Singapore, 2015
26. Faculty, Medtronic TCCE Peripheral Essentials Workshop, Changi General Hospital, Singapore, 2015
27. Course Director, Master the Cross - Peripheral Intervention Workshop, Boston Scientific, Thailand, 2015
28. Course Director, Peripheral Intervention Workshop, BIOTRONIK, Ho Chi Minh, Vietnam, 2015
29. Course Co-Director, COOK Complex Intervention Course (CIC), National University Hospital, Singapore, 2015
30. Course Co-Director, COOK Peripheral Interventions Workshop, National University Hospital, Singapore, 2015
31. Course Director, BARD Lutonix® DCB Endovascular Course, Changi General Hospital, Singapore, 2016
32. Trainer, CGH/Siemens Zeego Training Workshop, Changi General Hospital, Singapore, 2016
33. Course Director, BIOTRONIK Lower Limb Angioplasty, Changi General Hospital, Singapore, 2016
34. Course Director, Peripheral Intervention Workshop, BIOTRONIK, Bangkok, 2016
35. Course Director, Master the Cross, Peripheral Intervention Workshop, Boston Scientific, Changi General Hospital, Singapore, 2016
36. Course Director, Master the Cross, Peripheral Intervention Workshop, Boston Scientific, Thailand, 2016
37. Faculty, Medtronic TCCE Peripheral Essentials Workshop, Changi General Hospital, Singapore, 2016
38. Faculty, CGH & Medtronic Peripheral Workshop – Treating Critical Limb Ischemia, Changi General Hospital, Singapore, 2017
39. Course Director, Peripheral Intervention Workshop, BIOTRONIK, Changi General Hospital, Singapore, 2017
40. Organiser and Participant, Wound Certification Preparatory Course & American Board Wound Management Certification, Changi General Hospital, Singapore, 2017
41. Course co-director, Peripheral Intervention Workshop, Orbus Neich, Prince of Wales Hospital, Hong Kong, 2017
42. Faculty, Medtronic TCCE Peripheral Essentials Workshop, Changi General Hospital, Singapore, 2017
43. Course Director, Peripheral Intervention Workshop, BIOTRONIK, Changi General Hospital, Singapore, 2018
44. Course Director, Master the Cross, Peripheral Intervention Workshop, Boston Scientific, Changi General Hospital, Singapore, 2018
45. Course Director, Master the Cross, Peripheral Intervention Workshop, Boston Scientific, Cho Ray Hospital Department of Vascular Surgery, Ho Chi Minh, Vietnam, 2018
46. Course Co-director, Peripheral Intervention Workshop, Orbus Neich, Prince of Wales Hospital, Hong Kong, 2018
47. Course Co-Director, Abbott Endomasters Peripheral Intervention Workshop, Leipzig, Germany, 2018
48. LINC Live Case Operator "LimFlow Procedure", 2019
49. LINC Asia Pacific Live Case Operator, Changi General Hospital, Singapore, 2014/2015/2016/2017

50. LINC Asia Pacific Live Case Operator, Prince of Wales Hospital, Hong Kong, 2018/2019
51. Critical Limb Ischemia Course (CLIC) Live Case Operator “LimFlow Procedure”, Abano Terme, Italy, 2019

CLINICAL SERVICE

May 2000 to Aug 2000

House Officer, General Surgery, Singapore General Hospital

Sep 2000 to Dec 2000

House Officer, Orthopaedic Surgery, Changi General Hospital

Jan 2001 to Apr 2001

House Officer, General Medicine, Changi General Hospital

May 2001 to Oct 2001

Medical Officer, Cardiothoracic Surgery, National Heart Centre

Nov 2001 to Apr 2002

Medical Officer, Accident and Emergency, Changi General Hospital

May 2002 to Oct 2002

Medical Officer, General Surgery, Changi General Hospital

Nov 2002 to Apr 2003

Medical Officer, Orthopaedic Surgery, Changi General Hospital

May 2003 to Oct 2003

Medical Officer, Colorectal Surgery, Singapore General Hospital

Nov 2003 to Apr 2004

Medical Officer, General Surgery, Changi General Hospital

May 2004 to Apr 2004

Service Registrar, General Surgery, Changi General Hospital

Nov 2004 to Apr 2006

Registrar, Vascular Surgery, Changi General Hospital

May 2006 to Apr 2007

Registrar, Vascular Surgery, Singapore General Hospital

May 2007 to Apr 2008

Registrar, Vascular Surgery, Changi General Hospital

May 2008 to Apr 2010

Associate Consultant, Vascular Surgery, Changi General Hospital

May 2010 to 31 Oct 2016

Consultant, Vascular Surgery, Changi General Hospital

01 Nov 2016 to 28 Feb 2019

Senior Consultant, Vascular Surgery, Changi General Hospital

Quality Improvement

2011 to 2019

Department of Surgery Morbidity and Mortality Rounds.
Changi General Hospital

2010 to 2011

Member, Joint Commission International Accreditation (JCIA) Patient's
Rights and Responsibilities, Changi General Hospital

Community Service

1994 to Current

Crisis Relief, Singapore (Member)

1994

Medical Mission to Turkey in Aid of Earthquake Victims
(Participating Member)