

# CURRICULUM VITAE

BENJAMIN DAK KEUNG LEONG

Mb BCh Bao(Hons), LRCPI & SI(Ireland),  
MRCS(Edinburgh), MS(University of Malaya),  
AM(Academy of Medicine of Malaysia), FRCS(Glasgow)  
Fellowship in Vascular Surgery  
(Ministry of Health, Malaysia & Royal Perth Hospital, Australia)

The Curriculum Vitae is true and correct as at June 2017

### Personal Details

**Name:** Benjamin Dak Keung Leong

**Date of Birth:** 25<sup>th</sup> November 1975

**Work Address:** Vascular Unit, Department of  
General Surgery, Queen  
Elizabeth Hospital, 88300 Kota  
Kinabalu, Sabah, Malaysia.

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**Marital Status:** Married

**Spouse:** Michelle Sook Yee Voo

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## Education and Training

Medical Degree	Royal College of Surgeons in Ireland
Master in Surgery	University of Malaya, Malaysia
Fellowship in Vascular Surgery	Ministry of Health, Malaysia and Royal Perth Hospital, Australia

## Qualifications

Mb BCh Bao(Hons)	National University of Ireland (2000)
LRCSI	Royal College of Surgeons in Ireland (2000)
LRCPI	Royal College of Physicians in Ireland (2000)
MRCS	Royal College of Surgeons of Edinburgh (2004)
MS	University of Malaya, Malaysia (2008)
AM	Academy of Medicine, Malaysia (2009)
Fellowship in Vascular Surgery	Ministry of Health, Malaysia & Royal Perth Hospital, Australia (2013)
FRCS	Royal College of Surgeons of Glasgow (2015)

## Academic Distinctions

### Undergraduate

- 1) Honors in preclinical sciences- anatomy, physiology, biochemistry
- 2) First class honors in 3<sup>rd</sup> year medicine and surgery and microbiology
- 3) Honors in ophthalmology, tropical medicine, general practice, otolaryngology
- 4) Honors in medicine and surgery, obstetrics and gynaecology in final year exam with overall 2<sup>nd</sup> class honor degree

Post-graduate

- 1) Young Investigator Award of Vascular Society of Malaysia, 2010
- 2) Best Paper Presentation at Kuala Lumpur Vascular Access Conference 2012

**Professional Certification**

- 1) Full Registration with Irish Medical Council (Reg. 166304) in 2004 (Current Status- Dormant)
- 2) Full Registration with Malaysian Medical Council (Reg. 37358) since 2001
- 3) Limited Registration with Australian Health Practitioner Regulation Agency, 2012
- 4) Fellow of Royal College of Physicians and Surgeons of Glasgow (PID 113503) since 2016
- 5) Member of Royal College of Surgeons of Edinburgh (Roll no. 57036) since 2004
- 6) Listed in the National Specialist Registry of Malaysia as General Surgeon since 2009 and Vascular Surgeon since 2013 (Reg. 126058)
- 7) Member of Academy of Medicine of Malaysia and College of Surgeons of Malaysia since 2009
- 8) Certified Medical Impairment Assessor since 2009
- 9) Good Clinical Practice Certification since 2009
- 10) Advanced Trauma Life Support Certification since 2011

## **Operative Experience**

Following are the procedures I have performed and familiar with.

### Vascular Surgery

Open abdominal aortic aneurysm repair; aorta-bifemoral bypass; vascular duplex scanning for peripheral vascular disease and vein mapping for vascular access surgery; vascular access surgery- radiocephalic fistula, brachiocephalic fistula, brachiobasilic fistula and tranposition, synthetic loop and straight graft, proximalisation of fistula; femoral and brachial embolectomy; bypasses- axillo-bifemoral, fem-fem, fem-pop (above and below knee), fem-distal, above knee-below knee pop; common femoral endarterectomy with patch repair; endoscopic thoracic sympathectomy; chemoport insertion-percutaneous, open internal jugular/cephalic; saphenofemoral junction ligation with stripping and stabbed avulsions; ligation and repair of pseudoaneurysms; amputations- digits, transmetatarsal, below knee and above knee; fasciotomy.

### Endovascular

EVAR; ChEVAR; Carotid Artery Stenting; AUI with fem-fem crossover; TEVAR; Fistulogram; central venogram; fistuloplasty; central venoplasty; lower limb angiography with angioplasty and stenting; Radiofrequency Ablation of Varicose Veins

### General Surgery

Upper and lower intestinal endoscopy-diagnostic and therapeutic; diagnostic laparoscopy; laparoscopic and open cholecystectomy; laparoscopic and open appendectomy; mesh hernioplasty; incisional hernia repair; bowel resection and anastomosis; partial gastrectomy with Roux-en-Y reconstruction; omentoplasty for perforated peptic ulcer; right and left hemicolectomy; anterior resection; Hartmann's procedure; stomas- double barrel, loop and end; reversal of stomas, internal bypasses, splenectomy, tracheostomy, fistulotomy and insertion of seton.

### **Clinical Experience in Chronological Order**

July 2014- To Date	Head of Vascular Unit, Queen Elizabeth Hospital II, Kota Kinabalu, Sabah, Malaysia.
February 2013-July 2014	Vascular Surgeon, Kuala Lumpur Hospital, Jalan Pahang, 50586 Kuala Lumpur.
January 2012-January 2013	Fellow(Senior Registrar) Vascular & Endovascular Surgery, Royal Perth Hospital, Perth, WA 6000 (Prof. Patrice Mwipatayi, Prof. Kishore Sieunarine)
January 2010- January 2012	General Surgeon and Vascular Subspecialty Fellowship Trainee, Kuala Lumpur Hospital (Mr Zainal Ariffin Azizi)
May 2008- December 2009	General Surgeon, Queen Elizabeth Hospital, Kota Kinabalu (initial 6 months of gazettement period)
Mar 2007- April 2008	Master of Surgery Trainee, General Surgery (Vascular, Breast and Endocrine, Laparoscopic, Colorectal), University of Malaya Medical Centre, Kuala Lumpur (Prof. CH Yip, Prof. Vijay, Prof. C Ng, Mr. KH Tan)
May 2003- February 2007	Medical Officer and Master of Surgery Trainee- General Surgery, Urology, Plastic, Paediatric Surgery, Orthopaedic, Accident and Emergency, Queen Elizabeth Hospital, Kota Kinabalu (Mr JA Chuah, Mr VM Kumar, Mr TB Wong, Mr S Rajah)
October 2001-April 2003	Medical Officer, General Surgery, Duchess of Kent Hospital, 90007 Sandakan, Malaysia. (Mr SC Ng)

## **Current Appointment**

Lead vascular surgeon in the state of Sabah, Malaysia, with population of 3.3 million.

Pioneered multiple vascular milestones with performance of the first Endovascular Aneurysm Stenting (EVAR), Thoracic Endovascular Aortic Stenting (TEVAR), Endoscopic Thoracic Sympathectomy and Radio Frequency Ablation of Varicose Veins in the state.

Currently, the sole provider of public peripheral interventional service in Sabah with common procedures such as lower limb angiogram/plasty and vascular access related interventional work.

## **Research Activities**

- 1) Epidemiology of Breast Cancer in Sabah, Malaysia (Master of Surgery Thesis)
- 2) Prevalence of Peripheral Vascular Disease and Abdominal Aortic Aneurysm among Patients with Acute Coronary Syndrome
- 3) Transposed Basilic Vein Fistulae

## **Publications**

### Papers in peer reviewed journals

- 1) **BD Leong**, N Govindarajanthran, HM Tajri, KL Tan, H Hussein, ZA Azizi. Total percutaneous endovascular aneurysm repair (pEVAR): the initial experience in Hospital Kuala Lumpur. Med J Malaysia 2017;72(2):91-3.
- 2) WJ Wong, **BD Leong**, CH Mak. Idiopathic Internal Thoracic Artery (ITA) Pseudoaneurysm treated with endovascular embolization. Med J Malaysia 2017;72(2):144-6.
- 3) KW Liew, **BD Leong**. Popliteal artery pseudoaneurysm successfully treated with amplatzer vascular plug. Med J Malaysia 2016;71(5):302-3.
- 4) M Rahmatzadeh, V Vijayan, CJ Ritter, J Hockley, **BD Leong**, M Sandford, BP Mwiipatayi. Transradial approach for challenging vascular access interventions. Vascular. 2014, Published online September 29, 2014.

- 5) **BD Leong**, AZ Ariffin, JA Chuah, SY Voo. Prevalence of Peripheral Arterial Disease and Abdominal Aortic Aneurysm among Patients with Acute Coronary Syndrome. *Med J Malaysia* 2013;68(1):10-2.
- 6) **BD Leong**, G Naresh, H Hanif, SK Lee, AA Zainal, CM Sara. Endovascular Management of Axillosubclavian Artery Injuries: Report of Three Cases. *Surg Today*. 2013;43(8):918-22.
- 7) BP Mwiripatayi, **BD Leong**, J Hockley, V Vijayan. The Pitfalls of Femoropopliteal Stenting Trials. *J Endovasc Ther* 2012;19(5):596-8.
- 8) **BD Leong**, P Ramu, KW Chan, VM Kumar, JA Chuah. Tuberculosis of Gallbladder with Candidiasis. *Med J Malaysia* 2011;66(2):146-7.
- 9) **BD Leong**, JA Chuah, VM Kumar, S Rohamini, ZS Siti, CH Yip. Trends of Management of Breast Cancer in Sabah: A Problem with Lack of Awareness. *Singapore Med J* 2009; 50(8): 772-6.
- 10) **BD Leong**, JA Chuah, VM Kumar, M Mazri, AA Zainal. Successful Endovascular Treatment of Traumatic Inferior Pancreaticoduodenal Artery Pseudoaneurysm. *Singapore Med J* 2008; 49(11): e300-e302.
- 11) **BD Leong**, P Ramu, VM Kumar, JA Chuah. Synchronous Adenocarcinoma of Caecum, Transverse Colon and Jejunum: Report of a Case. *Med J Malaysia* 2008; 63(2): 148-9.
- 12) **BD Leong**, JA Chuah, VM Kumar, CH Yip. Breast Cancer in Sabah, Malaysia: A two year prospective data. *Asian Pacific J Cancer Prev* 2007; 8: 525-9.

#### Published abstracts

- 1) **BD Leong**, AA Zainal, G Naresh, SK Lee. Endovascular Intervention: A New Paradigm for Subclavian Arterial Injury Management. *Annals of Vascular Diseases* 2010; 3(Suppl):S123.
- 2) **BD Leong**, AA Zainal, JA Chuah, SY Voo. Prevalence of Peripheral Vascular Disease and Abdominal Aneurysm among Patients with Acute Coronary Syndrome. *Annals of Vascular Diseases* 2010; 3(Suppl):S162.
- 3) **BD Leong**, AA Zainal, H Hanif. Transposed Basilic Vein Fistulae: A Credible Vascular Access Option in Challenging Patients. *Annals of Vascular Diseases* 2011;4(Suppl):S245.



## **Presentation to Learned Societies**

### International Meetings

- 1) Thoracic Intramural Hematoma: Current Understanding and Management. Invited Faculty presented to **Asia-Pacific Angiology Academic Alliance** at Asia-Pacific Angiology Academic Alliance Conference and 2017 International Annual Congress of Macau Health Bureau & Medical Doctors' Association. 26-28<sup>th</sup> May 2017, Macau.
- 2) Thoracic Intramural Hematoma: Current Understanding and Management. Invited Faculty presented at **Aortic Asia** 2017. 7-8<sup>th</sup> April 2017, Hong Kong.
- 3) Endovascular or Open cases from Hell/My toughest cases. Invited Faculty presented to **Asian Society for Vascular Surgery** at The 17<sup>th</sup> Congress of Asian Society for Vascular Surgery 2017. 20<sup>th</sup>-23<sup>rd</sup> October 2017, Singapore.
- 4) Early experience of radiofrequency ablation in Borneo. Invited Faculty presented to **Asian Society for Vascular Surgery** at The 17<sup>th</sup> Congress of Asian Society for Vascular Surgery 2017. 20<sup>th</sup>-23<sup>rd</sup> October 2017, Singapore.
- 5) Aortic Case Discussion: Bleeding Aorto-Enteric Fistula. Invited Faculty presented at **Aortic Asia** 2016. 31<sup>st</sup> March – 2<sup>nd</sup> April 2016, Bangkok, Thailand.
- 6) Thoracic Intramural Hematoma: Current Understanding and Management. Invited Faculty presented to **Asian Society for Vascular Surgery** at The 16<sup>th</sup> Congress of Asian Society for Vascular Surgery 2015, 1<sup>st</sup>-4<sup>th</sup> December 2015, Bangkok, Thailand.
- 7) Understanding Drug Eluting Balloons: What part does technology play? Invited faculty presented at **LINC Asia Pacific** 2015, 9<sup>th</sup>-11<sup>th</sup> March 2015, Hong Kong.
- 8) Diagnosis of painful hand with vascular access. Invited faculty presented to **Vascular Society of Malaysia** at Kuala Lumpur Vascular Access Conference 2014, 17<sup>th</sup>-18<sup>th</sup> October 2014, Kuala Lumpur, Malaysia.
- 9) Transposed Basilic Vein Fistulae: A Credible Option. Oral presentation to **Asian Society for Vascular Surgery** at 15<sup>th</sup> Annual Congress of Asian Society for Vascular Surgery, 5<sup>th</sup> -7<sup>th</sup> September, Hong Kong.
- 10) Hybrid Procedure for Peripheral Vascular Disease. Abbott Endovascular Crossroad, 6<sup>th</sup>-18<sup>th</sup> Aug 2013, Shanghai, China.
- 11) Outcomes of Arteriovenous Fistula Formation in an Octogenarian Population. Oral Presentation to **Vascular Society of**

- Malaysia** at Kuala Lumpur Vascular Access Conference 2012, 4<sup>th</sup>-6<sup>th</sup> October 2012, Kuala Lumpur, Malaysia.
- 12) Transposed Basilic Vein Fistulae: A Credible Vascular Access Option in Challenging Patients. Oral Presentation to **Royal Australasian College of Surgeons** at Royal Australasian College of Surgeons 81st Annual Scientific Congress, 6th-10th May 2012, Kuala Lumpur, Malaysia.
  - 13) Transposed Basilic Vein Fistulae: A Credible Vascular Access Option in Challenging Patients. Poster presentation to **Asian Society for Vascular Surgery** at 12<sup>th</sup> Annual Congress of Asian Society for Vascular Surgery, 29<sup>th</sup> September-2<sup>nd</sup> October 2011, Taipei, Taiwan.
  - 14) Endovascular Intervention: A New Paradigm for Subclavian Arterial Injury Management. Oral presentation to **Asian Society for Vascular Surgery** at 11<sup>th</sup> Annual Congress of Asian Society for Vascular Surgery, 29<sup>th</sup> June-2<sup>nd</sup> July 2010, Kyoto, Japan.
  - 15) Prevalence of Peripheral Vascular Disease and Abdominal Aneurysm among Patients with Acute Coronary Syndrome. Poster presentation to **Asian Society for Vascular Surgery** at 11<sup>th</sup> Annual Congress of Asian Society for Vascular Surgery, 29<sup>th</sup> June-2<sup>nd</sup> July 2010, Kyoto, Japan.
  - 16) Trends of Breast Cancer Treatment in Sabah, Malaysia: A Problem with Lack of Awareness. Oral presentation to **Asian Surgical Association** at 16<sup>th</sup> Asian Congress of Surgery, 19<sup>th</sup>-22<sup>th</sup> October 2007, Beijing, China.
  - 17) Breast Cancer Experience in Sabah, Malaysia: A Comparison with Rest of Malaysia and the World. Oral presentation to **Royal College of Surgeons of Edinburgh** and **College of Surgeons of Hong Kong** at the Conjoint Scientific Congress of the Royal College of Surgeons of Edinburgh and the College of Surgeons of Hong Kong, 10<sup>th</sup>-13<sup>th</sup> October 2006, Hong Kong.

### Local Meetings

- 1) Recognising And Managing Access Failure And Common Complations. Invited Faculty presented to **College of Surgeons, Malaysia** at College of Surgeons, Academy of Medicine, Malaysia Annual General Meeting and Annual Scientific Meeting 2015, 29<sup>th</sup> - 31<sup>st</sup> May 2015, Penang, Malaysia.

- 2) Perclose Proglide: Concept and Clinical Usage. Proglide Workshop, Kuala Lumpur Hospital, 17<sup>th</sup> January 2014, Kuala Lumpur, Malaysia.
- 3) Abdominal aortic aneurysm – when to refer. 2<sup>nd</sup> Pahang Vascular Update, 8<sup>th</sup> November 2013, Kuantan, Malaysia.
- 4) AVF – Post-op care and management of complications. 2<sup>nd</sup> Pahang Vascular Update, 8<sup>th</sup> November 2013, Kuantan, Malaysia.
- 5) Access Ports. HKL Vascular Surgery Workshop and Conference 2013, 18<sup>th</sup>-20<sup>th</sup> June 2013, Kuala Lumpur, Malaysia.
- 6) Chronic Limb Ischaemia HKL Vascular Surgery Workshop and Conference 2013, 18<sup>th</sup>-20<sup>th</sup> June 2013, Kuala Lumpur, Malaysia.
- 7) Transposed Basilic Vein Arteriovenous Fistula: A Credible Vascular Access Option in Challenging Patients. **Oral presentation to College of Surgeons, Malaysia** at College of Surgeons, Academy of Medicine, Malaysia Annual General Meeting and Annual Scientific Meeting 2013, 31<sup>st</sup> May- 2<sup>nd</sup> June 2013, Kuala Lumpur, Malaysia.
- 8) Prevalence of Peripheral Vascular Disease and Abdominal Aneurysm among Patients with Acute Coronary Syndrome. Oral presentation to **Vascular Society of Malaysia** at 9<sup>th</sup> HKL Vascular Surgery Conference & Workshop, 20<sup>th</sup>-22<sup>th</sup> July 2010, Kuala Lumpur, Malaysia.
- 9) Association of Peripheral Vascular Disease and Abdominal Aortic Aneurysm among Patients with Acute Coronary Syndrome. Poster presentation to **College of Surgeons of Malaysia** at Annual General Meeting & Annual Scientific Meeting of College of Surgeons, Academy of Medicine of Malaysia, May 2009, Langkawi, Malaysia.
- 10) Tuberculosis of Gallbladder: A Rare Entity. Poster presentation to **College of Surgeons of Malaysia** at Annual General Meeting & Annual Scientific Meeting of College of Surgeons, Academy of Medicine of Malaysia, May 2009, Langkawi, Malaysia.
- 11) Breast cancer in Sabah, Malaysia: A two year prospective data. Oral presentation to **College of Surgeons of Malaysia** at Annual General Meeting & Annual Scientific Meeting of College of Surgeons, Academy of Medicine of Malaysia, 8<sup>th</sup>-10<sup>th</sup> June 2007, Cameron Highlands, Malaysia.
- 12) Successful Endovascular Treatment of Traumatic Inferior Pancreaticoduodenal Artery Pseudoaneurysm. Poster presentation to **College of Surgeons of Malaysia** at Annual General Meeting & Annual Scientific Meeting of College of Surgeons, Academy of Medicine of Malaysia, 8<sup>th</sup>-10<sup>th</sup> June 2007, Cameron Highlands, Malaysia.

### **Non-clinical Positions Held**

- 1) Member of the Royal College of Surgeons in Ireland's Court of Examiners (Since 2016)
- 2) Examiner for Intercollegiate Membership of Royal College of Surgeon Examination, Examiner Number – 2330 (Since 2016)
- 3) Supervisor for Masters of Surgery (UKM), Out Campus Programme, Hospital Kuala Lumpur & Queen Elizabeth Hospital(Since 2010)
- 4) Faculty of Basic Surgical Skills Course, Royal College of Surgeons in Ireland (2014)
- 5) Adjunct Lecturer, Perdana University(RCSI), (2013-2014)
- 6) Chairman, Infection Control Committee, Surgical Department, Hospital Kuala Lumpur(2010-2011)
- 7) Committee Member, Infection Control Committee, Hospital Kuala Lumpur(2010-2011)
- 8) President of Sabah Medical Association (2006-2007)
- 9) Vice President of Sabah Medical Association (2005-2006)
- 10) Secretary of Sabah Medical Association (2004-2005)
- 11) Committee Member of Malaysian Medical Association (Sabah Branch)(2000-2001)

### **Journal Reviewing**

#### Reviewer

- 1) Oman Medical Journal since 2009
- 2) Indian Journal of Cancer since 2010
- 3) Journal of Pancreas since 2009
- 4) Medical Journal of Malaysia since 2013
- 5) World Journal of Surgical Oncology since 2013

## **Voluntary Medical Work**

- 1) Medical Relief Work to Balambangan and Manthanani Island, jointly organized by Malaysian Navy and MERCY Malaysia (September 2004)
- 2) Medical Relief Work to Kampung Bantul (Situating near Malaysian-Indonesian Border) (November 2004)
- 3) Medical Doctor for Mount Kinabalu International Climbathon (BUFF Sky Runner World Series) (October 2004)
- 4) Medical Doctor for 4<sup>th</sup> Sabah State Nurses' Games (September 2002)

## **The Following Agree to Act as My Referees**

Mr Zainal Ariffin Azizi, FRCS  
Senior Consultant Vascular  
Surgeon and Head of Department,  
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Kuala Lumpur Hospital,  
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