

# CV DR JAN “JOHN” SWINNEN

February 2019

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## **1. Background:**

**1.1 Nationality:** Dual New Zealand & Australian citizenship

Formerly a Belgian citizen

**1.2 Languages:** Flemish (Netherlandic) mother tongue

French (Second language)

English (Working language)

German, Afrikaans (Competent)

### **1.3 Medical Education:**

*1974 -1976:* Faculty of Medicine, **University of Cape Town** (UCT).

*1977-1979:* Dunedin & Wellington Clinical School, **Otago University**.

M.B. CH.B. November 1979, Otago University.

### **1.4 Surgical Training:**

*1982 – 1987:* Wellington Based Central Regional Training Scheme

F.R.A.C.S PART I examination November 1982.

F.R.A.C.S. PART II examination November 1986.

*1987:* Fourth Year Advanced Trainee in General Surgery, Memorial Hospital, Hastings, New Zealand.

FRACS (General) December 1987.

### **1.5 Senior Registrar, United Kingdom:**

*1988:* Vascular/General Surgery, Royal Sussex County Hospital, Brighton, U.K.

*1989:* Pediatric Surgery, Royal Alexandra Hospital for Children, Brighton, UK.

*1990:* Plastic and Burns Surgery, Queen Mary Hospital, London.

### **1.6 General Surgical Consultant Positions:**

*1991-1994:* Consultant General Surgeon, West Coast Base Hospital, Greymouth

*1994-1998:* Consultant General/Vascular Surgeon Wanganui Hosp, Wanganui

### **1.7 Vascular Training:**

*1999-2000:* Vascular Fellowship Westmead Hospital & Liverpool Hospital, Sydney.

FRACS (Vascular) December 2000

DDU Diploma of Diagnostic Ultrasound (Vascular) 2000

### **1.8 Vascular Surgery Consultant Positions:**

*2001 – present:* Staff Specialist Vascular Surgery, Westmead Hospital

*2002:* Appointment with the University of Sydney as Lecturer in Surgery

### **1.9 MSF Trauma / General Surgeon:**

2011 – present: x7 two month missions in conflict zones to date.

## **2. Qualifications:**

**MBChB** 1979 (Otago)

**FRACS General** 1987

**FRACS Vascular** 2000

**DDU Vascular** 2000

### **Endovascular Accreditation 2012**

Conjoint Committee for the Recognition of Training in Peripheral Endovascular Surgery  
(Sections: Peripheral Endovascular, Carotid, Fenestrated & Branched Aortic Endografting)

### **3. Medical Research**

#### **3.1 Publications**

1. **Swinnen J** Hysterectomy for sterilisation? N Z MED J; 1979 Dec 12;90(649):477
2. Van Gelderen F, **Swinnen J** Appearance of oxidized cellulose (Surgicel) on abdominal radiographs.  
AJR Am J Roentgenol. 1996 Dec;167(6):1593.
3. Holt P, **Swinnen J**. Bilateral femoral artery thrombosis in nephrotic syndrome N Z Med J. 2000 Dec 8;113(1123):521
4. **Swinnen J**, Fletcher JP, Wong KP, Young N, Simmons K. EVT endovascular graft for abdominal aortic aneurysm. ANZ J Surg. 2001 Jul;71(7):403-6.
5. **Swinnen J**, First Author Chapter 3.4 Access Surgery in Renal Failure. Vascular Access For Haemodialysis, Basic Clinical Dialysis; 2005;McGraw Hill, Feb 2005 ISBN13: 9780074715017 June 2005. David A. Harris, Gopala Rangan, Grahame Elder, Lukas Kairaitis
6. Mohan IV, Hitos K, White GH, Harris JP, Stephen MS, May J, **Swinnen J**, Fletcher JP. Improved outcomes with endovascular stent grafts for thoracic aorta transections.  
Eur J Vasc Endovasc Surg. 2008 Aug;36(2):152-7.
7. R.L. Varcoe, J. Mah, N. Young, S.S. So, M. Vicaretti, **J. Swinnen**. Prevalence of Carotid Stent Fractures in a Single-Centre Experience. Journal of Endovascular Therapy, 2008; 15:485-489
8. Varcoe RL1, Jayamanne D, Tiwari A, **Swinnen J**. A novel hybrid device for avoiding redo surgery in synchronous iliac and femoral peri-anastomotic pseudo-aneurysms. Vasc Endovascular Surg. 2008 Dec-2009 Jan;42(6):579-82. 2008 Jul 28.
9. **Swinnen J**, Chao A, Tiwari A, Crozier J, Vicaretti M, Fletcher J. Vertical or transverse incisions for access to the femoral artery: a randomized control study. Ann Vasc Surg. 2010 Apr;24(3):336-41. 2009 Dec 4.

10. Chandra AP, Dimascio D, Gruenewald S, Nankivell B, Allen RD, **Swinnen J**. Colour duplex ultrasound accurately identifies focal stenoses in dysfunctional autogenous arteriovenous fistulae. Nephrology (Carlton). 2010 Apr;15(3):300-6.
11. Tiwari A1, Saw C, Li M, Mohan I, Daly T, **Swinnen J**, Richardson A, So S, Young N, Vicaretti M, Fletcher J Use of inferior vena cava filters in a tertiary referral centre in Australia. ANZ J Surg. 2010 May;80(5):364-7.
12. **Swinnen J** Carotid duplex ultrasound after carotid stenting. Australas J Ultrasound Med. 2010 Aug;13(3):20-22.
13. **Swinnen J** Duplex ultrasound scanning of the autogenous arterio venous hemodialysis fistula: a vascular surgeon's perspective. Australas J Ultrasound Med. 2011 Feb;14(1):17-23
14. Fahrtash F, Kairaitis L, Gruenewald S, Spicer T, Sidrak H, Fletcher J, Allen R, **Swinnen J** Defining a significant stenosis in an autologous radio-cephalic arteriovenous fistula for hemodialysis. Semin Dial. 2011 Mar-Apr;24(2):231-8.
15. Tan KL, **Swinnen J** Juxta-Anastomotic Stents in the Native Radio-Cephalic AVF Journal of Surgical Academia Vol.2 No 2, 2012 (e-ISSN 2231-7481)
16. Feddersen, Martin Anek Roger, Simon David. Arteriovenous fistula surveillance: everyone's responsibility. Port J Nephrol Hypert [online]. 2012, vol.26, n.4, pp.255-265. \* **Swinnen J** Acknowledged as a contributor; many images, and many of the ideas, were mine.
17. Zaman S1, Pouliopoulos J, Al Raisi S, Sullivan J, Thiagalingam A, **Swinnen J**, Koor P Novel use of NavX three-dimensional mapping to guide renal artery denervation. EuroIntervention. 2013 Oct;9(6):687-93.
18. Al Raisi SI, Pouliopoulos J, Barry MT, **Swinnen J**, Thiagalingam A, Thomas SP, Sivagangabalan G, Chow C, Chong J, Kizana E, Koor P. Evaluation of lesion and thermodynamic characteristics of Symplicity and EnligHTN renal denervation systems in a phantom renal artery model EuroIntervention. 2014 Jun;10(2):277-84.
19. **J.Swinnen** Behind the Mask: Interview with MSF Surgeon Dr John Swinnen  
The Royal Australasian College Of Surgeons Journal Vol 16 No 1 / Jan/Feb 2015
20. **Swinnen J**, Lean Tan K, Allen R, Burgess D, Mohan IV Juxta-anastomotic stenting with aggressive angioplasty will salvage the native radiocephalic fistula for dialysis. J VascSurg2015 Feb;61(2):436-42.

21. **Swinnen J**, Zahid A, Burgess DC. Paclitaxel drug-eluting balloons to recurrent in-stent stenoses in autogenous dialysis fistulas: a retrospective study *J Vasc Access*. 2015 Sep-Oct;16(5):388-93.
22. Helgeland, M, **Swinnen, J** Supera Stents across the Elbow in Radiocephalic Fistulas **Submitted** *J Vasc Access Surg* June 2017, rejected Resubmitted *EJVES* October 2017
23. Leo, C, Cassorla, G, **Swinnen, J** The Endovascular management of the Occluded Native Arteriovenous Fistula **Submitted** *J Vasc Access Surg* July 2017  
["https://doi.org/10.1177/1129729818801556"](https://doi.org/10.1177/1129729818801556)
24. Lukas K Kairaitis, James P Collett<sup>1</sup> and **Jan Swinnen** Diameter Of Inflow As A Predictor Of Radiocephalic Fistula Flow *J Vasc Access*. 2018 Nov;19(6):548-554.
25. Tan R, Manning M, Spurway J, Jegatheesan T, Bertram M, Phipps L, **Swinnen J** Improving haemodialysis fistula maturation following early ultrasound vascular mapping: "The Venous Preservation Scan" *Nephrology (Carlton)*. 2018 May 20
26. **Jan "John" Swinnen**, Kerry Hitos, Lukas Kairaitis, Simon Gruenewald, George Larcos, David Farlow, David Huber, Gabriel Cassorla, Christopher Leo, Laurencia M Villalba, Richard Allen, Farshid Niknam and David Burgess Multicentre, Randomised, Blinded, Control Trial Of Drug-Eluting Balloon Vs Sham In Recurrent Native Dialysis Fistula Stenoses *J Vasc Access* September 2018 ["https://doi.org/10.1177/1129729818801556"](https://doi.org/10.1177/1129729818801556)
27. Al Raisi SI, Pouliopoulos J, Qian P, King P, Byth K, Barry MT, **Swinnen J**, Thiagalingam A, Kooor P Comparison of two different radiofrequency ablation systems for renal artery denervation: Evaluation of short-term and long-term follow up. *Catheter Cardiovasc Interv*. 2019 Feb 15;93(3)

### 3.2 Clinical Trials

#### 3.2.1 Surgical Access To The Femoral Vessels: Vertical Or Horizontal Incision

\* A Prospective, Multicentre Randomised Trial. I was **Principal Investigator**.

\* A trial run at Westmead and Liverpool Hospital over 2 years. 8 consultant vascular surgeons agreed to participate. Patients undergoing open surgical cutdown on the femoral vessels were randomised to receive a vertical or horizontal incision and were then followed up for 28 days. Trial endpoints were wound infection, wound breakdown and lymphatic leak or collection. 116 groin

wounds were randomised. Wound complications were statistically significantly higher in the vertical group.

\* Presented at the Perth VASCULAR 2000 Meeting, July, 2000. **Winner of the Justin Miller Medal for the Best Paper.**

\* Published: Vertical or Transverse Incisions for Access to the Femoral Artery: A Randomized Control Study *Annals of Vascular Surgery*, Volume 24, Issue 3, April 2010, Pages 336-341, J Swinnen, A Chao, A Tiwari, J Crozier, M Vicaretti, J Fletcher

### ***3.2.2 Paclitaxel Eluting Angioplasty Balloons in the Treatment of High Risk Stenoses of the Autogenous AV Hemodialysis Fistula***

\* A Double Blinded, Prospective, Multicentre Randomised Trial. I was **Principal Investigator.**

\* The trial was run at Westmead, Blacktown & Wollongong Hospitals over 2 years. Trial to determine the clinical effectiveness of the Medtronic Drug Eluting Balloon (DEB) versus a Sham Balloon in the recurrent native fistula stenosis. We randomised 134 patients. Primary end point was Late Lumen Loss on Ultrasound follow up. Secondary endpoints were Fistula Volume Flow (Qa) and Index Trial Area reintervention.

\* At 6 months, we showed significant superiority of the DEB over the sham balloon in Late Lumen Loss and in Index Trial Area reintervention.

At 12 months, similar result.

\* Presented at:

- Australia NZ Society of Vascular Surgery Annual meeting in Perth in September 2017

- Asian Society of Vascular Surgery meeting in Kuala Lumpur in October 2017

Accepted for publication *Journal of Vascular Access*, September 2018

## **4. Clinical Leadership & Administration**

### **4.1 Audit**

I have had a strong interest and involvement in audit / peer review throughout my career.

1. **Grey Hospital 1991-1994 & Wanganui Hospital 1994-1998.** I introduced & developed a computerised audit system at both Regional NZ Hospitals, and ran the Audit program.
2. **Westmead Hospital, 2000 -2017.** I was a member of the Westmead Hospital General Surgical Audit Committee from 2000-2008, and I was the Chairman of the Westmead Hospital General Surgical Audit Committee from 2003-2008
3. I was involved with the introduction of **Root Cause Analysis** to Westmead Hospital, as Chairman General Surgery Audit Committee & partook in a number of root cause analyses.
4. **Personal Audit.** I have kept a comprehensive Personal Surgical Audit ever since I started surgical training 30 years ago, and I have a full record of all the operating I have ever done.
5. **Special Commission of Enquiry into Campbelltown and Camden Hospitals** I was an invited Outside Reviewer for this enquiry and I reviewed a number of the sentinel cases.

### **4.2 Venous Thrombo-Embolic prophylaxis & Treatment**

1. At **Grey Hospital** in Greymouth, and at **Wanganui Hospital** in Wanganui, I set up the VTE awareness and prophylaxis programs. At both venues, this was a hospital wide policy.

2. At **Westmead Hospital**, I joined the well established DVT / PE program of the Vascular Service, set up by Professor John Fletcher. My main contribution to the program was rationalisation and protocolisation of the use of pulmonary embolic filters.

#### ***4.3 Laparoscopic Services Grey Hospital, NZ***

Laparoscopic techniques in general surgery became current between 1991 and 1993, shortly after my Greymouth appointment. I had not been trained in Laparoscopic Surgery during my Surgical Training.

I attended a 1 week course in Basic Laparoscopic Surgery: Principles & Techniques, in Hamilton, NZ in 1992. Here I learned the basic skills of Laparoscopic Surgery, using the anaesthetised pig model.

I then introduced Laparoscopic Surgery to Grey Hospital, organising equipment, and doing the first Laparoscopic Cholecystectomy with mentoring from Laparoscopic Surgeons from Christchurch.

I expanded my Laparoscopic repertoire while at Grey & Wanganui Hospital to include Laparoscopic Nissen Fundoplication & Lap assisted colectomy.

#### ***4.4 Malignant Melanoma: Prevention And Early Detection Program***

During my 4 years at Grey Hospital I set up the West Coast MM Early Detection and Treatment Program, in conjunction with the Plastic Surgery Department at Christchurch Hospital. NZ in general & the West Coast in particular has an extremely high rate of MM in the Pakeha population.

During my 4 year tenure, I did a 1 monthly Plastic Surgery operation list and a one day clinic at Grey Hospital with Dr Sally Langley, Visiting Plastic Surgeon from Christchurch,.

I set up an education program for the GP's and District Nurses of the West Coast Area Health for the early detection of MM and dysplastic nevi.

#### ***4.5 Development of Wanganui Vascular Service***

The vascular service was in a primitive state at Wanganui Hospital when I was appointed. There was no angiography suite & there was no Interventional Radiological Expertise.

I organised a relationship with Palmerston North Hospital, Palmerston North, a major regional centre 1 hours drive from Wanganui. They had a full angio suite, a dedicated English trained interventional radiologist (Peter Dixon) and 2 vascular surgeons.

I would visit Palmerston North Hospital every Wednesday and spend half a day in the angiosuite with Peter Dixon doing diagnostic angiography and Endovascular Interventions on my Wanganui patients. In the afternoon I would attend the Palmerston North Vascular Audit meeting and discuss my problem patients with the Vascular Team.

#### ***4.6 Development of Endovascular Surgery at Westmead Hospital***

Between 1991-2000, I retrained as a Vascular Surgeon in Australia. My main interest was the Endovascular revolution that was occurring at that time. My appointment as Staff Specialist, Vascular Surgery to Westmead Hospital in 2001 was primarily to introduce and develop endovascular treatment of vascular disease at our tertiary centre.

1. Endovascular Aortic Aneurysm repair: I did some of the earliest endovascular AAA repairs in Australia with Prof John Fletcher, using the American EVT graft system. Following my appointment, I championed the conversion of AAA repair from Open surgery to EVAR, using the Cook graft system. I was an early user of percutaneous EVAR as well as Fenestrated Technology for AAA with a poor neck.
2. Endovascular Management of Peripheral Vascular Disease My role as a member of the 5 Surgeon Vascular Team was to introduce endovascular techniques to all aspects of vascular surgery. I acquired weekly operating lists in the Angiography Suite in Radiology as well as twice weekly lists in Westmead and Blacktown Cathlabs, working with Interventional Cardiology.



3. Carotid Stenting Program Western Sydney I started the Western Sydney Carotid Stenting program in 2002 when Carotid Filters became available. The program was set up in conjunction with my 5 Western Sydney Vascular Colleagues. Our program was run in conjunction with 2 interested Cardiologists. All Carotid Stents were performed by myself in conjunction with a Cardiologist or Vascular Surgeon. We have performed over 300 carotid stenting procedures to date with a stroke rate of 2,0%, comparable to the better open carotid surgery series.  
I believe I am recognised as one of the national experts in this procedure, both in terms of numbers performed and quality of results achieved.  
I have presented this work and its principles at numerous local, national and international meetings, by invitation, as detailed below.
4. Endovascular Hemodialysis Fistula Intervention I have transformed our Hemodialysis Access Service from an Open Surgical, in patient service to an Endovascular, Day Case Service. See section below.
- 5.

#### **4.7 Radiofrequency Ablation of Renal A Nerves for Management Severe Hypertension**

In conjunction with Professor Pramesh Kovoor, Cardiologist, I established the first NSW Renal Nerve Radiofrequency Ablation Program at Westmead Hospital. I was involved in equipment selection, creating protocols, staff training, audit, direct involvement in all interventions and research and publication.

Over 2 years we performed 36 cases RF Ablation until the SYMPPLICITY HTN-3 trial failed to confirm the effectiveness of the procedure. We still do a limited number of RF renal nerve ablations in patients with very severer uncontrolled hypertension.

#### **4.8 Vascular Ultrasound Service at Westmead Hospital**

When I was appointed to Westmead Hospital in 2001, there was no in-house Vascular Ultrasound service. Over my 16 years at Westmead I have developed the service. In the process, I have **trained over 35 Vascular Surgical Trainees** to become competent Vascular Sonographers.

I have also done research and published original work on ultrasound, especially in the Hemodialysis and Carotid field.

#### **4.9 Development of Western Sydney Hemodialysis Services & WRADSA**

Over my 18 years tenure at Westmead Hospital, I have become increasingly committed to the development and improvement of the Western Renal Area dialysis services. This development involved the following principles, many of which I pioneered with our Nephrology and Access Surgery team at our institution.

\* The development of **Duplex Ultrasound** as the primary imaging modality in Hemodialysis access, largely supplanting fistulography. I have published on this and I have run > 40 workshops locally, nationally and internationally disseminating this approach.

I am a qualified Sonographer with a DDU Vascular and I have personally performed many 1000's of fistula u/s.

\* **Native Fistula only** policy: With the support of my colleagues, we have converted our very large Hemodialysis Access Service to a Native Fistula Only service.

\* The development of the **Endovascular Fistula service**. I have converted our inpatient, open surgery fistula service into a largely outpatient endovascular service. This has been of great benefit to the patients and significant cost saving to the hospital. I have published on this and I have run > 40 workshops locally, nationally and internationally disseminating this approach.

\* The re-organisation of the Western Renal Area Hemodialysis / Renal Replacement Therapy (RRT) services. Using some of the above principles, I have created an **Integrated Hemodialysis Service**, under the name of Western Renal Area Dialysis Service (WRADS), based at Westmead Hospital. WRADS has a staff of 2 secretaries and a Dialysis Coordinator. We look after about 1000 patients on RRT, about 750 on hemodialysis and 250 on Peritoneal Dialysis. WRADS is supported by 5 Access Surgeons, 18 Nephrologists and 14 Dialysis Centres.

#### ***4.10 Development of the Western NSW Hemodialysis Service at Orange***

As my interest and expertise in Renal Replacement Therapy access developed, I started receiving referrals from out-of-area, including state wide and interstate for difficult access problems.

The Western NSW Health Service (about 70 patients on Hemodialysis and 20 on Peritoneal Dialysis, 4 Nephrologists) sent me a large number of complicated and mismanaged access problems. This was largely due to the lack of a properly trained access specialist.

In 2012 I offered to take over the management of the Hemodialysis Access Service as a whole, with the support of my Westmead based Western Renal Services colleagues and the Orange/Bathurst Dialysis staff. This offer was accepted, and in a few years this has effected a dramatic improvement in the quality of the RRT service. The Western NSW Access service I provide is based on weekly "Telemedicine" clinics and monthly visits by myself to Orange Base Hospital.

The Telemedicine Clinics are run once per week, and involve electronic transfer of patient records, photos, and clinical information for management advice.

Patients are treated in Sydney or at Orange Base Hospital, depending on urgency and facilities required. Currently, more than 85% of interventions would take place in Orange. This avoids patient travel over a distance of 270km.

The once per month, 2 day visit I do, incorporates ½- 1 day of open theatre, ½ day endovascular interventions in Cath lab, and an ultrasound list and outpatient clinic combined.

We have presented the results of this project at meetings and have submitted for publication.

## **5. Presentations & Workshops, Local, National, International**

### **2018**

#### ***International***

140. VERVE Endovascular Symposium 2018  
International Convention Centre, Sydney 6 – 8 December 2017  
**Invited Speaker** 2 Talks (Hemodialysis)

139. 10th International MSF Surgical Workshop  
Department of Anatomy, Dusseldorf University, Dusseldorf, Germany, 17 – 21 Sept 2018  
**Invited International MSF Demonstrator** (Trauma; Vascular)

138. Sydney-Pakistan Urology 5th Postgrad Course on Urology, Nephrology & Transplantation  
SIUT (Sindh Institute Urology Transplant) Karachi, Pakistan. 1<sup>st</sup>-5<sup>th</sup> Aug 2018 (5 days)  
**Faculty; Invited Speaker; U/S Workshop Demonstrator; Open & Endovascular Surgery Workshop Demonstrator.** 9 Talks (Hemodialysis)

137. Singapore General Hospital Interventional Nephrology Course & Workshop 2018  
25<sup>th</sup> – 26<sup>th</sup> August 2018, SGH, Singapore

**Keynote Speaker** 3 Talks (Hemodialysis) & Workshop Demonstrator

136. RACS 87<sup>th</sup> Annual Scientific Congress  
International Convention Centre, Sydney, 7 - 11 May 2018 (4 days)

**Invited speaker** 2 Talks (Trauma)

135. Hong Kong Hospital Authority - Central Commissioned Training Programme: Haemodialysis  
Vascular Access Surgery in ESRF Patients Problems & Challenges & **Workshop**  
Hong Kong. 27 – 28 January 2018

**Faculty; Keynote Speaker; U/S Workshop Demonstrator.** 6 Talks (Hemodialysis)

### ***National***

134. 10<sup>th</sup> Advanced Care **Workshop** for Vascular Access  
Renal Services, Barwon Health, Geelong, Australia. 19 – 20 November 2017 (2 days)  
**Keynote Speaker; U/S Workshop Demonstrator.** 9 Talks (Hemodialysis)

### ***Local***

133. Westmead Association Hospital Week, Renal Replacement Therapy Symposium,  
Westmead Hospital, Sydney. 24 August 2016  
**Convenor; Speaker** 2 Talks (Hemodialysis)

132. Western Renal Area Retreat for 5 year planning  
Skye Hotel, Parramatta, Tuesday 16 October & Wednesday 17 October 2018  
**Speaker** 2 Talks (Hemodialysis)

131. Sydney University Surgical Society, GlobalHOME Global Health Society  
Sydney University, 1 May 2018  
**Keynote Speaker** 1 Talk (Trauma; other)

## **2017**

### ***International***

130. VERVE Endovascular Symposium 2017  
International Convention Centre, Sydney 7 – 9 December 2017  
**Invited Speaker** 2 Talks (Hemodialysis; Trauma)

129. Controversies in Dialysis Access (CIDA)  
San Diego, California, USA. 9 – 10 Nov 2017  
**Invited Speaker** 3 Talks (Hemodialysis)

128. The 17th Congress of the Asian Society of Vascular Surgery (ASVS 2017)  
Kuala Lumpur, Malaysia. 25<sup>th</sup> – 28<sup>th</sup> October 2017 (3 days)  
**Faculty; Invited Speaker; Chairman.** 8 Talks (Vascular; Hemodialysis; Trauma)

127. Pre-Congress Hemodialysis Access **Workshop** (ASVS 2017)  
Kuala Lumpur, Malaysia. 25<sup>th</sup> – 28<sup>th</sup> October 2017 (3 days)  
**Speaker; Demonstrator Ultrasound Workshop** (Hemodialysis)

126. Sydney-Pakistan Urology 4th Postgrad Course on Urology, Nephrology & Transplantation  
SIUT (Sindh Institute Urology Transplant) Karachi, Pakistan. 1<sup>st</sup>-5<sup>th</sup> Aug 2017 (5 days)  
**Faculty; Invited Speaker; U/S Workshop Demonstrator; Open & Endovascular Surgery  
Workshop Demonstrator.** 7 Talks (Hemodialysis)

125. Dialysis Access Synergy (DASY)  
NUHS, Singapore. 30<sup>th</sup> – 1<sup>st</sup> April 2017.  
**Invited Speaker; U/S Workshop & Endovascular Workshop Demonstrator.** 2 Talks (Hemodialysis)

### ***National***

124. Advanced Care **Workshop** for Vascular Access  
Renal Services, Barwon Health, Geelong, Australia. 20 – 21 November 2017 (2 days)  
**Keynote Speaker; U/S Workshop Demonstrator.** 9 Talks (Hemodialysis)

123. Australian and NZ Society of Vascular Surgery Annual Scientific Meeting (ANZSVS 2017)  
Perth, Australia. 13<sup>th</sup> – 15<sup>th</sup> October 2017 (3 days)  
**Invited Speaker.** 4 Talks (Hemodialysis; Trauma)

122. 10<sup>th</sup> Australia NZ Interventional Nephrology Meeting (ANZSIN 2017)  
Darwin, Australia. 7<sup>th</sup> September 2017 (1 day)  
**Invited Speaker.** 3 Talks (Hemodialysis)

### ***Local***

121. Home Therapies Planning Day, Blacktown Dialysis Centre  
Blacktown Hospital, Sydney, Australia  
**Invited Speaker** (Hemodialysis)

## **2016**

### ***International***

120. VERVE Endovascular Symposium 2016  
Sheraton on the Park, Sydney 1 – 3 December 2016  
**Invited Speaker** 2 Talks (Hemodialysis; Trauma)

119. Sydney-Pakistan Urology 3rd Postgrad Course on Urology, Nephrology & Transplantation  
SIUT (Sindh Institute Urology Transplant) Karachi, Pakistan. 4 – 7 Sept 2016 (4 days)  
**Faculty; Invited Speaker; U/S Workshop Demonstrator; Open & Endovascular Surgery  
Workshop Demonstrator.** 3 Talks (Hemodialysis)

118. The 16th Congress of the Asian Society of Vascular Surgery (ASVS 2016)  
National University Hospital, Singapore. 20-23 October 2016 (3 days)  
**Faculty; Invited Speaker; Chairman.** 5 Talks (Vascular; Hemodialysis; Trauma)

117. Pre-Congress Hemodialysis Access **Workshop** (ASVS 2016)  
National University Hospital, Singapore. 20 October 2016 (1 day)  
**Speaker; Demonstrator** Ultrasound Workshop (Hemodialysis)

116. International Society of Nephrology: ISN Webinar  
Internet Webinar. 18 March 2016  
**Invited Speaker** 1 Talk (Hemodialysis)

### ***National***

115. Advanced Care **Workshop** for Vascular Access  
Renal Services, Barwon Health, Geelong, Australia. 21 – 22 November 2016 (2 days)  
**Keynote Speaker; U/S Workshop Demonstrator.** 4 Talks (Hemodialysis)

114. Trauma Training Evening, Royal Melbourne Hospital Trauma Service  
Royal Melbourne Hospital, Melbourne. 18 October 2016  
**Keynote Speaker** 2 Talks (Trauma)

113. Australian and NZ Society of Vascular Surgery Annual Scientific Meeting (ANZSVS 2016)  
Sydney, Australia. 4 – 6 August 2016 (3 days)  
**Faculty; Invited Speaker; CONVENOR Dialysis Session** 5 Talks (Vascular; Hemodialysis; Trauma)

112. Westmead Multidisciplinary Hemodialysis Meeting  
Education Block, Westmead Hospital, Westmead, NSW. 3 – 4 August 2016 (2 days)  
**CONVENOR; Speaker; U/S Workshop Demonstrator; Open & Endovascular Surgery Workshop Demonstrator.** 3 Talks (Hemodialysis)

111. University of Melbourne MD Student Conference  
Melbourne Convention and Exhibition Centre, Melbourne. 30 June 2016  
**Keynote Speaker** 1 Talk (Other)

110. Advanced Practice Workshop for Dialysis Access  
CQU, Royal North Shore Hospital, Sydney, Australia. 25th – 26th February 2016 (2 days)  
**Invited Speaker** 3 Talks (Hemodialysis)

### ***Local***

109. Liverpool Hospital Vascular Focus Conference  
Liverpool Hospital, Sydney 13 May 2016 (1 day)  
**Invited Speaker.** 4 Talks (Vascular)

108. Westmead Association Hospital Week, Vascular Surgery Symposium,  
Westmead Hospital, Sydney. 24 August 2016  
**Invited Speaker** 1 Talk (Trauma)

## **2015**

### ***International***

107. SIUT International Symposium 40 years  
SIUT Hospital, Karachi, Pakistan. 10 – 12 December 2015 (3 days)  
**Invited Speaker.** 1 Talk (Hemodialysis)

106. Pre Congress **Workshop**, SIUT International Symposium  
SIUT Hospital, Karachi, Pakistan. 8 - 9 December 2015 (2 days)  
**Keynote Speaker; U/S Workshop Demonstrator; Open & Endovascular Surgery Workshop Demonstrator.** 3 Talks (Hemodialysis)

105. The 15th Congress of the Asian Society of Vascular Surgery (ASVS 2015)  
Bangkok, Thailand. 1 – 4 December 2015 (3 days)  
**Faculty; Invited Speaker; Chairman.** 6 Talks (Hemodialysis)

104. Asian Society Vascular Surg & Asian Pacific Vascular Access Society Pre Congress **Workshop**  
Siri Raj Hospital, Bangkok, Thailand. 30 November 2015 (1 day)  
**Keynote Speaker; U/S Workshop & Surgery Workshop Demonstrator.** 3 Talks (Hemodialysis)

103. Sydney-Pakistan Urology 2nd Postgrad Course on Urology, Nephrology & Transplantation  
SIUT (Sindh Institute Urology Transplant) Karachi, Pakistan. 27 – 30 April 2015 (4 days)  
**Faculty; Invited Speaker; U/S Workshop Demonstrator; Open & Endovascular Surgery  
Workshop Demonstrator.** 2 Talks (Hemodialysis)

102. Masterclass in Vascular Access Conference  
Chiang Mai University, Chiang Mai, Thailand. 25 – 27 May 2015 (3 days)  
**Keynote Speaker; U/S Workshop Demonstrator; Endovasc Surgery Workshop Demonstrator.** 6  
Talks (Hemodialysis)

101. ISN Educational Ambassador Program Vascular Access Course  
Cho Ray Hospital, Ho Chi Minh City, Vietnam. 23 – 27 March 2015 (5 days)  
**Keynote Speaker; U/S Workshop Demonstrator; Open & Endovascular Surgery Workshop  
Demonstrator.** 8 Talks (Hemodialysis)

100. Vascular Society of NZ 2015: Vascular Ultrasound Workshop  
Dunedin Hosital, Dunedin, NZ. 20 February 2015 (1 day)  
**Invited Speaker; U/S Workshop Demonstrator** (2 talks) (Hemodialysis)

99. Vascular Society of NZ Annual Meeting 2015  
Dunedin Hosital, Dunedin, NZ. 20 February 2015 (1 day)  
**Invited Speaker** (2 talks) (Hemodialysis; Trauma)

#### ***National***

98. Advanced Care **Workshop** for Vascular Access  
Renal Services, Barwon Health, Geelong, Australia. 26 – 27 November 2015 (2 days)  
**Keynote Speaker; U/S Workshop Demonstrator.** 4 Talks (Hemodialysis)

97. General Surgeons of Australasia Trainees Day  
Cairns, Australia, 24th September 2015  
**Invited Speaker** 2 Talks (Hemodialysis; Trauma)

96. General Surgeons of Australasia ASM 2015  
Cairns, Australia, 26th September 2015  
**Invited Speaker** 2 Talks (Hemodialysis; Trauma)

95. 45th ASUM Annual Scientific Meeting (Australian Society of Ultrasound in Medicine) &  
**Workshop**  
Novotel, Brighton-le- Sands, Sydney, Australia. 12 September 2015 (1 day)  
**Invited Speaker; U/S Workshop Demonstrator** 1 Talk (Hemodialysis)

94. The Dialysis, Nephrology and Transplant Symposium, ANZ Society of Nephrology  
Launceston, Tasmania. 1 – 3 March 2015 (2 ½ days)  
**Invited Speaker** 1 Talk (Hemodialysis)

93. Australasian Sonographer's Symposium, Australasian Sonographer's Association.  
Novotel, Brighton Beach, Sydney, Australia. 20 September 2015  
**Invited Speaker** 1 Talk (Hemodialysis)

#### ***Local***

92. Westmead High Dependency Unit Nursing Conference  
Westmead Hospital, Sydney. 20 November 2015  
**Invited Speaker** 1 Talk (Trauma)

91. University of Sydney Orientation Week  
University of Sydney, Sydney. 25 February 2015  
**Invited Speaker** 1 Talk (Other)

2014

**International**

90. VERVE Endovascular Symposium 2014  
Sheraton on the Park, Sydney 4 December 2014  
**Invited Speaker** 1 Talks (Trauma)

89. Kuala Lumpur Vascular Access Conference 2014.  
Vascular Society of Malaysia, Malaysian Society of Nephrology. KL, Malaysia. 16 – 18 October 2014  
**Keynote Speaker** 3 Talks (Hemodialysis)

88. Kuala Lumpur Vascular Access Conference 2014: Pre-Conference **Workshop**  
One World Hotel, Kuala Lumpur, Malaysia. 16 October 2014 (1 day)  
**Keynote Speaker; U/S Workshop Demonstrator.** 3 Talks (Hemodialysis)

87. XXVI World Congress of the International Union of Angiology (IUA)  
Sydney Hilton, Sydney. 10 – 14 August 2014 (4 days)  
**Invited Speaker; Speaker; Keynote Speaker.** 2 Talks (Vascular; Hemodialysis)

86. XXVI World Congress of the International Union of Angiology (IUA) **Workshop**  
Sydney Hilton, Sydney. 14 August 2014 (1 day)  
**CONVENOR; U/S Workshop Demonstrator; Speaker** 4 Talks (Vascular; Hemodialysis)

85. 39th Annual Scientific Congress: Royal College of Surgeons of Thailand  
Pattaya, Thailand. 9 – 13 July 2014 (4 days)  
**Keynote Speaker; Chairman** 5 Talks (Hemodialysis)

84. Clinica Alemana 2014 Vascular Symposium  
Clinica Alemana, Santiago, Chile. 26 – 27 June 2014 (3 days)  
**Keynote Speaker; Chairman.** 6 Talks (Vascular; Hemodialysis)

83. Royal Australasian College Surgeons / Australia NZ College Anaesthesia Annual Scientific Meeting  
Sands Expo & Convention Centre, Singapore. 5 – 9 May 2014 (4 days)  
**Speaker** 2 Talks (Hemodialysis; Trauma)

82. Sydney-Pakistan Urology Postgrad Course on Urology, Nephrology & Transplantation  
SIUT (Sindh Institute Urology Transplant) Karachi, Pakistan. 3 -7 March 2014 (4 days)  
**Faculty; Invited Speaker; U/S Workshop Demonstrator; Open & Endovascular Surgery  
Workshop Demonstrator.** 2 Talks (Hemodialysis)

**National**

81. Advanced Care **Workshop** for Vascular Access  
Renal Services, Barwon Health, Geelong, Australia. 27 – 28 November 2014 (2 days)  
**Keynote Speaker; U/S Workshop Demonstrator.** 4 Talks (Hemodialysis)

80. Advanced Practice **Workshop** for Dialysis Access  
CQU, Royal North Shore Hospital, Sydney, Australia. 20 – 21 November 2014 (2 days)  
**Keynote Speaker** 5 Talks (Hemodialysis)

79. Medecins Sans Frontieres Info Night  
University of Sydney, Sydney. 29 October 2014  
**Invited Speaker** 1 Talks (Other)

78. Australian and NZ Society of Vascular Surgery Annual Scientific Meeting (ANZSVS 2014)  
Canberra, Australia. 11 – 13 October 2014 (3 days)  
**Speaker; Chairman** 4 Talks (Vascular; Hemodialysis)

### **Local**

77. Endovascular Fistula Symposium **Workshop**  
Westmead Hospital, Sydney. 3 December 2014 (1 day)  
**CONVENOR; U/S Workshop Demonstrator; Endovascular Surgery Workshop Demonstrator; Speaker.** 1 Talk (Hemodialysis)

76. Liverpool Hospital Vascular Focus: Management of Periphehral Arterial Disease  
Liverpool Hospital, Sydney. 8 August 2014.  
**Invited Speaker** 2 Talks (Vascular)

### **2013**

#### **International**

75. Royal Australasian College Surgeons Annual Scientific Meeting  
Crowne Plaza Convention Centre, Auckland, NZ. 8 – 10 May 2014 (3 days)  
**Invited Speaker** 2 Talks (Hemodialysis)

#### **National**

74. Advanced Care **Workshop** for Vascular Access  
Renal Services, Barwon Health, Geelong, Australia. 28 – 29 November 2013 (2 days)  
**Keynote Speaker; U/S Workshop Demonstrator.** 3 Talks (Hemodialysis)

73. Advanced Practice **Workshop** for Dialysis Access  
CQU, Royal North Shore Hospital, Sydney, Australia. 21 – 22 November 2013 (2 days)  
**Keynote Speaker; U/S Workshop Demonstrator** 5 Talks (Hemodialysis)

72. Australian and NZ Society of Vascular Surgery Annual Scientific Meeting (ANZSVS 2013)  
Hobart, Australia. 11 – 15 October 2013 (4 days)  
**Invited Speaker** 3 Talks (Vascular;Hemodialysis)

71. Interventional Radiology Society of Australasia 2013 (IRSA)  
Broome, Western Australia. 8 – 12 July 2013  
**Invited Speaker** 3 Talks (Hemodialysis)

70. Vascular Interventions 2013  
Novotel, Brighton-le-Sands, Sydney. 8 March 2013  
**Endovascular Workshop Demonstrator.** 1 Talk (Hemodialysis)

### **Local**

69. Westmead Endovascular Fistula **Workshop**  
Westmead Hospital Cathlab, Sydney. 1 May 2013 (1 day)  
**CONVENOR; U/S Workshop Demonstrator; Endovascular Surgery Workshop Demonstrator; Speaker.** 2 Talks (Hemodialysis)

### **2012**

#### **International**

68. Vascular Society of NZ 2012  
Nelson, NZ. 10 – 12 February 2012 (2 day)  
**Invited Speaker** 1 talk (Hemodialysis)

#### **National**



67. Advanced Care **Workshop** for Vascular Access  
Renal Services, Barwon Health, Geelong, Australia. 8 – 9 November 2012 (2 days)  
**Keynote Speaker; U/S Workshop Demonstrator.** 3 Talks (Hemodialysis)
66. Haemodialysis Access: The highly innovative world of AVF treatment & **Workshop**  
Gosford Public Hospital, Gosford, NSW, Australia. 6 December 2012 (1 day)  
**Invited Speaker; U/S Workshop Demonstrator; Endovascular Surgery Workshop Demonstrator.** 1 Talk (Hemodialysis)
65. Advanced Renal Vascular Access **Workshop**  
Royal Perth Hospital, Perth. 1 – 3 November 2012 (3 days)  
**Keynote Speaker; U/S Workshop Demonstrator; Endovascular Surgery Workshop Demonstrator.** 4 Talks (Hemodialysis)
64. Australian and NZ Society of Vascular Surgery Annual Scientific Meeting (ANZSVS 2012)  
Melbourne, Australia. 20 – 23 October 2012 (4 days)  
**Speaker** 2 Talks (Hemodialysis)
63. AusMAT Disaster Surgical Anaesthetic Course  
Darwin, Australia. 2 – 5 May 2012 (3 days)  
**Course Attendee, MSF Representative** (Trauma)
62. Amgen Nephrology Scientific Symposium 2012  
Melbourne, Australia. 30 March – 1 April 2012 (2 days)  
**Invited Speaker.** 1 Talk (Hemodialysis)
61. Goldcoast Hospital Hemodialysis Access **Workshop**  
Goldcoast & Allamanda Private Hospital, Goldcoast, Qld Australia. 5 – 6 March 2012 (2 days)  
**Keynote Speaker; U/S Workshop Demonstrator; Endovascular Surgery Workshop Demonstrator.** 2 Talks (Hemodialysis)
60. Vascular Interventions 2012  
Newcastle, NSW, Australia. 16 -17 March 2012 (2 days)  
**Invited Speaker.** 1 Talk (Vascular)

### **Local**

59. Westmead Endovascular Fistula **Workshop**  
Blacktown Hospital Cathlab, Sydney. 17 October 2012 (1 day)  
**CONVENOR; U/S Workshop Demonstrator; Endovascular Surgery Workshop Demonstrator; Speaker.** 1 Talk (Hemodialysis)
58. Western Renal Unit: Westmead Ultrasound **Workshop** For Haemodialysis Nurses  
Westmead Hospital, Sydney. 30 June 2012 (1 day)  
**CONVENOR; U/S Workshop Demonstrator; Speaker.** 4 Talks (Hemodialysis)
57. Westmead Endovascular Fistula **Workshop**  
Blacktown Hospital Cathlab, Sydney. 7 June 2012 (1 day)  
**CONVENOR; U/S Workshop Demonstrator; Endovascular Surgery Workshop Demonstrator; Speaker.** 1 Talk
56. Surgical Specialty Seminar for Nurses  
Westmead Hospital, Sydney. 15 March 2012  
**Invited Speaker** 1 Talk (Trauma)

**2011**

### ***International***

55. Hong Kong Hospital Authority - Central Commissioned Training Programme Vascular Access: A Vital Key To Success In Haemodialysis & **Workshop**  
Hong Kong. 15 – 16 January 2011

**Faculty; Keynote Speaker; U/S Workshop Demonstrator.** 6 Talks (Hemodialysis)

54. 3rd International MSF Surgical Workshop  
Cologne University, Cologne, Germany. 28 Sept – 1 October 2011 (3 days)  
**Course Attendee; Demonstrator** (Trauma)

### ***National***

53. Advanced Renal Vascular Access **Workshop**  
Royal Perth Hospital, Perth. 25 – 26 November 2011 (2 days)  
**Keynote Speaker; U/S Workshop Demonstrator; Endovascular Surgery Workshop Demonstrator.** 4 Talks (Hemodialysis)

52. Advanced Care **Workshop** for Vascular Access  
Renal Services, Barwon Health, Geelong, Australia. 17 -18 November 2011 (2 days)  
**Keynote Speaker; U/S Workshop Demonstrator.** 3 Talks (Hemodialysis)

51. Australian and NZ Society of Vascular Surgery Annual Scientific Meeting (ANZSVS 2011)  
Brisbane, Australia. 12 – 15 October 2011 (4 days)  
**Speaker** 3 Talks (Hemodialysis)

50. Medecins Sans Frontieres Welcome Days  
University of Sydney, Sydney. 14 October 2011  
**Invited Speaker** 1 Talk (Other)

49. 4<sup>th</sup> Australia NZ Interventional Nephrology Meeting (ANZSIN 2011)  
Adelaide, Australia. 22 September 2011 (1 day)  
**Invited Speaker.** 1 Talk (Hemodialysis)

48. Amgen Nephrology Scientific Symposium 2011  
Melbourne, Australia. 6 March 2012 (1 day)  
**Invited Speaker.** 1 Talk (Hemodialysis)

## **2010**

### ***International***

47. 35th Annual Scientific Congress: Royal College of Surgeons of Thailand  
Pattaya, Thailand. 25 -28 July 2010 (4 days)  
**Keynote Speaker; Chairman** 6 Talks (Vascular; Hemodialysis)

46. Kuala Lumpur Vascular Access Conference (KLVAC 2010 Inaugural)  
Vascular Society of Malaysia & Malaysian Society of Nephrology. 18 – 19 March 2010 (2 days)  
**Faculty; Keynote Speaker.** 3 Talks (Hemodialysis)

45. Kuala Lumpur Vascular Access Conference Pre-Congress **Workshop**  
Vascular Society of Malaysia & Malaysian Society of Nephrology. 17 March 2010 (1 day)  
**Keynote Speaker; U/S Workshop Demonstrator; Endovascular Surgery Workshop Demonstrator** 4 Talks (Hemodialysis)

### ***National***

44. Australian and NZ Society of Vascular Surgery Annual Scientific Meeting (ANZSVS 2010)  
Gold Coast, Australia. 2 – 5 October 2010 (4 days)

**Speaker** 5 Talks (Vascular; Hemodialysis)

### **Local**

43. Westmead Endovascular Fistula **Workshop**

Westmead Hospital Cathlab, Sydney. 7 – 8 December 2010 (2 days)

**CONVENOR; U/S Workshop Demonstrator; Endovascular Surgery Workshop Demonstrator;**

**Speaker.** 1 Talk (Hemodialysis)

42. Westmead Endovascular Fistula **Workshop**

Westmead Hospital Cathlab, Sydney. 18 – 19 August 2010 (2 days)

**CONVENOR; U/S Workshop Demonstrator; Endovascular Surgery Workshop Demonstrator;**

**Speaker.** 1 Talk (Hemodialysis)

41. NSW Vascular Journal Club

Sydney. 18 May 2010

**Invited Speaker** 1 Talk (Vascular)

### **2009**

### **National**

40. Renal Society Of Australasia Dialysis Nurses Workshop

Sydney, Australia. 6 November 2009)

**Invited Speaker.** 1 Talk (Hemodialysis)

39. Australian and NZ Society of Vascular Surgery Annual Scientific Meeting (ANZSVS 2009)

Sydney, Australia. 1 – 4 October 2010 (4 days)

**Speaker** 5 Talks (Vascular; Hemodialysis)

38. Vascular Interventions 2009

Novotel, Wollongong, NSW, Australia. 6 -7 March 2009 (2 days)

**Invited Speaker; U/S Workshop Demonstrator; Endovascular Surgery Workshop**

**Demonstrator.** 1 Talk (Hemodialysis)

37. The Dialysis, Nephrology and Transplant Workshop, ANZ Society of Nephrology

Lorne, Victoria, Australia. 1 – 4 March 2009 (2 ½ days)

**Invited Speaker** 1 Talk (Hemodialysis)

### **Local**

36. Westmead Endovascular Fistula **Workshop**

Westmead Hospital Cathlab, Sydney. 8 – 12 December 2009 (2 days)

**CONVENOR; U/S Workshop Demonstrator; Endovascular Surgery Workshop Demonstrator;**

**Speaker.** 1 Talk (Hemodialysis)

35. Westmead Endovascular Fistula **Workshop**

Operating Theatres, Auburn Hospital, Sydney. 2 November 2009 (1 day)

**CONVENOR; U/S Workshop Demonstrator; Endovascular Surgery Workshop Demonstrator;**

**Speaker.** (Hemodialysis)

34. Westmead Endovascular Fistula **Workshop**

Westmead Hospital Cathlab, Sydney. 2 – 3 June 2009 (2 days)

**CONVENOR; U/S Workshop Demonstrator; Endovascular Surgery Workshop Demonstrator;**

**Speaker.** 1 Talk (Hemodialysis)

33. Westmead Endovascular Fistula **Workshop**

Westmead Hospital Cathlab, Sydney. 10 – 11 February 2009 (2 days)

**CONVENOR; U/S Workshop Demonstrator; Endovascular Surgery Workshop Demonstrator; Speaker.** 1 Talk (Hemodialysis)

32. Interventional Radiology Society of Australia NSW Dinner Meeting  
Sydney, Australia. 24 March 2009.

**Invited Speaker** 1 Talk (Hemodialysis)

**2008**

***International***

31. The 9th Congress of the Asian Society of Vascular Surgery (ASVS 2008)  
Bangkok, Thailand. 28 – 31 October 2008 (3 days)

**Keynote Speaker; Chairman.** 5 Talks (Vascular; Hemodialysis)

30. Vascular Leaders Summit, Johnson & Johnson  
Sheraton Hotel, Bangkok, Thailand. 20 – 23 June 2008

**Invited Speaker** 1 Talk (Hemodialysis)

***National***

29. Royal Darwin Hospital Renal Access Workshop  
Royal Darwin Hospital, Darwin, Australia. 14 – 15 October 2008 (2 days)

**Keynote Speaker; U/S Workshop Demonstrator; Open & Endovascular Surgery Workshop Demonstrator.** 1 Talk (Hemodialysis)

28. Inaugural Australia NZ Interventional Nephrology Meeting (ANZSIN 2008)  
Newcastle, NSW, Australia. 11 September 2008 (1 day)

**Invited Speaker.** 1 Talk (Hemodialysis)

***Local***

27. Westmead Endovascular Fistula **Workshop**  
Operating Theatres, Auburn Hospital, Sydney. 18 August 2008 (1 day)

**CONVENOR; U/S Workshop Demonstrator; Endovascular Surgery Workshop Demonstrator; Speaker.** (Hemodialysis)

26. Westmead Endovascular Fistula **Workshop**  
Westmead Hospital Cathlab, Sydney. 18 June 2008 (1 day)

**CONVENOR; U/S Workshop Demonstrator; Endovascular Surgery Workshop Demonstrator; Speaker.** 1 Talk (Hemodialysis)

25. 3<sup>rd</sup> Annual Westmead Cardiology Weekend  
Terrigal, NSW, Australia. 8 June 2008

**Invited Speaker.** 1 Talk (Vascular)

24. Westmead Endovascular Fistula **Workshop**  
Operating Theatres, Auburn Hospital, Sydney. 10 March 2008 (1 day)

**CONVENOR; U/S Workshop Demonstrator; Endovascular Surgery Workshop Demonstrator; Speaker.** (Hemodialysis)

23. Royal Prince Alfred Hospital Renal Medicine Meeting  
RPA Hospital, Sydney. 12 June 2008

**Invited Speaker** 1 Talk (Hemodialysis)

22. Surgical Symposium for Nurses  
Westmead Hospital, Sydney. 23 May 2008.

**Invited Speaker** 1 Talk (Vascular)

**2007**

### ***International***

21. First Post Graduate Course On Vascular Access For Hemodialysis  
National Kidney & Transplant Institute, COMGAN (Commission for Global Advancement Nephrology)  
Quezon City, Philippines. 10 March 2017

**Keynote Speaker; U/S Workshop Demonstrator; Endovascular Surgery Workshop Demonstrator.** 5 Talks (Hemodialysis)

### ***National***

20. Australian and NZ Society of Vascular Surgery Annual Scientific Meeting (ANZSVS 2007)  
Melbourne, Australia. 17 – 20 August 2007 (4 days)

**Speaker** 5 Talks (Vascular; Hemodialysis)

### ***Local***

19. Westmead Endovascular Fistula **Workshop**  
Operating Theatres, Auburn Hospital, Sydney. 19 November 2007 (1 day)

**CONVENOR; U/S Workshop Demonstrator; Endovascular Surgery Workshop Demonstrator**

18. 2<sup>nd</sup> Annual Westmead Cardiology Weekend  
Hunter Valley, NSW, Australia. 14 – 15 July 2007

**Invited Speaker.** 2 Talks (Vascular)

### **2006**

### ***International***

17. First Asia Pacific Interventional Meeting (APIA)  
Sydney Convention Centre. 30 November – 1 December 2006

**Invited Speaker** 2 Talks (Vascular; Hemodialysis)

### ***National***

16. Royal Australasian College Surgeons Annual Scientific Meeting  
Sydney, Australia. 8 May 2006 (1 day)

**Invited Speaker** 2 Talks (Vascular; Hemodialysis)

15. Cordis / Epworth Carotid Stenting **Workshop**  
Epworth Centre, Melbourne. March 2006 (1 days)

**Invited Speaker** 1 Talk (Vascular)

14. Australian and NZ Society of Vascular Surgery Annual Scientific Meeting (ANZSVS 2006)  
Cairns, Australia. October 2006 (3 days)

**Speaker** 4 Talks (Vascular; Hemodialysis)

### ***Local***

13. NSW Vascular Journal Club  
Sydney. December 2006

**Invited Speaker** 1 Talk (Vascular)

12. Westmead Association Hospital Week, Cardiology Symposium,  
Westmead Hospital, Sydney. 23 August 2006

**Invited Speaker** 1 Talk (Vascular)

11. Neurology Grand Rounds  
Westmead Hospital, Sydney. 14 June 2006

**Invited Speaker** 1 Talk (Vascular)

## **2005**

### ***National***

10. Australian and NZ Society of Vascular Surgery Annual Scientific Meeting (ANZSVS 2005)  
Sydney, Australia. October 2005 (3 days)

**Speaker** 1 Talk (Vascular)

### ***Local***

9. Nursing Perspectives in Carotid Stenting (Johnson & Johnson)  
Sydney, Australia. 13 May 2005.

**Invited Speaker** 4 Talks (Vascular)

## **2004**

### ***National***

8. Australian and NZ Society of Vascular Surgery Annual Scientific Meeting (ANZSVS 2004)  
Rotorua, NZ. October 2004 (3 days)

**Speaker** 3 Talks (Vascular; Hemodialysis)

### ***Local***

7. Stroke Unit Meeting  
Westmead Hospital, Sydney. 3 November 2004

**Invited Speaker** . 1 Talk (Vascular)

## **2003**

### ***National***

6. Australian and NZ Society of Vascular Surgery Annual Scientific Meeting (ANZSVS 2003)  
Melbourne, Australia. October 2003 (3 days)

**Speaker** 2 Talks (Vascular; Hemodialysis )

### ***Local***

5. Medical Grand Rounds  
Westmead Hospital, Sydney. January 2003

**Invited Speaker** 1 Talk (Vascular)

4. Westmead Hospital Audit Meeting  
Westmead Hospital, Sydney. October 2003

**Speaker** 1 Talk (Audit: Root Cause Analysis: Boon Or Bane ?)

## **2002**

### ***National***

3. Australian and NZ Society of Vascular Surgery Annual Scientific Meeting (ANZSVS 2002)  
Gold Coast, Australia. October 2002 (3 days)

**Speaker** 3 Talks (Vascular)

## **1994**

### ***National***

2. Vascular Society Of NZ Meeting  
Nelson, NZ. 1<sup>st</sup>- 2<sup>nd</sup> Feb 1994 (2 Days)  
**Speaker** 1Talk (Vascular; Audit: West Coast Solo Vascular Practice: An Audit)

**1990**

***Local***

1. Audit Meeting Queen Mary's Hospital Plastics & Burns Unit  
Queen Mary's Hospital, Roehampton, London. December 1990  
**Speaker** 1Talk (Audit: Plastic Surgery Waiting List Initiative Oct.'89 - May '90)

## **6. Work with MSF (Medecins Sans Frontieres)**

In January 2011, I decided to join the humanitarian organisation MSF (Medecins Sans Frontieres – Doctors without borders) as a General / Trauma Surgeon. Although by this stage of my career I had been specialised as a Vascular Surgeon for 10 years, I had a long and very broad background in General Surgery.

Since 2011, I have done yearly 7 two month missions with MSF Australia – France. My hospital gives me unpaid leave to do these missions, and my Westmead Hospital colleagues generously cover my workload while I am deployed overseas.

In the process, I have become an experienced Trauma Surgeon. I have personally dealt with more than 350 gunshot wounds and more than 250 patients with bomb blast injuries. I have been the Surgeon on duty with 5 Mass Casualty situations, including one in Aden City where our service received over 206 severely injured patients in 6 hours.

I have presented at numerous meetings and forums on my MSF work, and on my experience as a Trauma Surgeon.

### ***6.1 2011: Rutshuru, Kivu Nord, Eastern Congo. 2 month.***

Over the last 15 years, an ongoing low-grade civil war involving over 50 different armed groups. The “legitimate” authority is the DRC army (Democratic Republic of the Congo). In fact, they are an often unpaid, ill-disciplined group, “living off the land” and are as much a cause of the problem as they are a solution. The United Nations’ “blue helmets” are the dominant and most stable force, but often ineffective as they won’t engage..

Personal Workload: 198 Operative cases in 7 weeks.

52 Caesarian sections; 30 Gunshot wounds; 12 Laparotomies; 9 Amputations; 10 Skin grafts; 25 Orthopedic major; 10 Plastic cases; 50 Other (gynae, abscess, burns dress etc)

Teaching: An important aspect of my work is education of the MSF and National Staff, both nurses and doctors, while on mission. Below is a list of the weekly teaching sessions I presented:

- \* Six Semaines A Rutshuru avec MSF France
- \* L'Abdomen Aigue : Anatomie et Pathophysiologie
- \* Management Of Burns (La Prise En Charge Des Brulures)
- \* Multi Trauma (Le Malade Poly-Traumatise)
- \* Le Sepsis Chirurgical

## **6.2 2012: Hangu, Kohat District, Khyber Pass, AfPak Border. 1 month**

Hangu is in Pakistan, on the edge of the F.A.T.A, the Federally Administered Tribal Areas, on the border of Afghanistan. It is near the epicentre of multiple conflicts involving International forces (US Coalition, NATO), Regional players (Afghanistan, Pakistan, Al Qaeda, Taliban) and local tribal and sectarian camps (Pashtuns, Shias, Sunnis).

A Pakistani Army offensive in 2009 into the FATA displaced ½ Million refugees into the Hangu area. Government Health Services were abandoned and MSF started its mission by taking over Hangu Hospital in 2010.

Personal Workload: 139 interventions in 62 patients in 4 weeks.

9 Caesarian sections; 36 Gunshot wounds; 6 Laparotomies; 9 Amputations; 21 Skin grafts; 21 Bomb blast injury (mainly antipersonnel mines); 18 MVA; 13 Other

Teaching: An important aspect of my work is education of the MSF and National Staff, both nurses and doctors, while on mission. Below is a list of the weekly teaching sessions I presented:

- \* Management Of Burns 1: Diagnosis And Resuscitation
- \* Sutures And Suturing
- \* Wound Healing & Wound Management

## **6.3 2012: Aden City, Yemen. 1 month**

Yemen is the Arab World's poorest country with 23 million inhabitants. The country is riven by chronic conflicts along many lines. Firstly, a religious divide, Shia Houthis backed by Iran vs a Sunni majority backed by Saudi Arabia. Secondly, the unhappy re-unification of North & South Yemen in 1990 and thirdly, the recent international involvement of Al Qaeda and the USA.

Personal Workload: 170 interventions on 84 patients - all trauma - in 4 weeks.

Gunshot 99; Bomb Blast Injury 16 (mainly IED's); MVA 31; Burn 5; Stabbings 3

Teaching: An important aspect of my work is education of the MSF and National Staff, both nurses and doctors, while on mission. Below is a list of the weekly teaching sessions I presented:

- \* Intercostal Chest Drains
- \* Sutures And Suturing
- \* Post Operative Care after Laparotomy in the Trauma Setting
- \* Management of Severe Trauma
- \* Management of Burns Diagnosis and Resuscitation

## **6.4 20 13: Rutshuru, Eastern Congo "Behind Rebel Lines" 2 months.**

My second mission to Rutshuru. An area of chronic instability on the Congolese / Rwandan border, exacerbated by the 1994 Rwandan genocide and subsequent influx of refugees and militias. Since my last mission, a break-away rebel group – M23 - had defeated the Congolese army and were now the de facto rulers of the North Kivu. My access in and out of the mission from Goma was by UN helicopter only.

Personal Workload: 313 Operative cases in 7 weeks on 222 pts. Trauma:138 cases - Burns 28%; Other 22%; Gunshot 18%; MVA 12% Armes Blanches 10%; Bomb Blast 10%)

25 Caesarian sections; 56 Gunshot wounds; 21 Laparotomies; 5 Amputations; 10 Skin grafts; 22 Orthopedic major; 24 Plastic cases; 158 Other



Teaching: An important aspect of my work is education of the MSF and National Staff, both nurses and doctors, while on mission. Below is a list of the weekly teaching sessions I presented:

- \* L'hémorragie et L'hémostase (Bleeding and hemorrhage control)
- \* La Cicatrisation Des Plaies (Wound Healing)
- \* "La Diabesite" : L' Obesite / Le Diabete Type II (Type II Diabetes)
- \* Thromboses Veineuses, Embolies Pulmonaires et la Prophylaxie (DVT / PE)
- \* Management Of Burns (La Prise En Charge Des Brulures)
- \* Multi Trauma (Le Malade Poly-Traumatise)

### **6.5 2014: 2014 Israel–Gaza conflict ("Operation Protective Edge")**

A military operation launched by Israel on 8 July 2014 in the Hamas-ruled Gaza Strip. During the 7 week conflict, Hamas fired rockets into Israel and the Israeli Defence Force retaliated with bombing raids and a ground incursion that resulted in the death of thousands of people, the vast majority of them Gazayans.

I was incorporated into the mission as a Vascular/Plastic surgeon. The MSF France mission worked in support of the Gazan medical teams at Al Shifa Hospital.

Personal Workload: 76 Interventions on 40 patients. Almost all the result of Bomb Blast Injury, from aerial bombardment, including the use of DIME bombs.

Vascular reconstruction / bypass operations 5; Plastics reconstruction with tissue flaps 13; Skin Graft 31; Limb Amputation / amputation revision 7; Wound Debridement (major) 33; Delayed Primary Closure (major) 6

Teaching:

- \* "The Patho-Physiology of the Acute Abdomen"
- \* "Burns Management"
- \* "Diabesity – Disease of the 21<sup>st</sup> Century"
- \* "Intercostal Drainage – The Management of the Traumatized Chest"
- \* "Venous Thrombo Embolism: Diagnosis, Management & Prophylaxis"

### **6.6 2015: Aden City, Yemen during the Houthi Siege**

In early 2015, the Iran backed, Shia Houthis had overthrown the Yemeni government and occupied over 90% of the country, except Aden City. The MSF France mission was in that part of Aden City as yet unoccupied by the Houthi invaders, in an area controlled by the Southern Resistance, backed by the USA and Saudi Arabia. Our hospital was 400m from the front line that saw heavy fighting throughout my one month mission.

Access in and out of Aden was by a fishing boat hired by MSF in Djibouti, North Africa, across the Gulf of Aden and thru the Saudi maritime blockade. Because the conflict was so close to our hospital, we saw large numbers of severely injured patients that would not normally survive transfer.

Personal Workload: 100% Trauma: Bomb Blast Injury 65 %; Gunshot 35 %

223 Operations on 111 patients

Trauma Laparotomy 67; Thoracotomy 8; Major Vascular Injury 47 (LSV reconstructions 15); Major Amputations 35; Orthopedic/ Wound 134; Thoracotomy 8

Teaching: As the mission was cut off from the outside world for one month, and due to the overwhelming workload, there was no opportunity for formal teaching.

### **6.7 2017: Rutshuru, Kivu Nord, Eastern Congo. 6 weeks.**

Although the North Kivu remains unstable, the area is now more peaceful, and MSF France has decided to hand over the mission to the local health services. The nature of this mission therefore had a focus on training of and handover to the staff that would take over from MSF. One of my principal briefs on this mission was training and education of the Congolese staff who were taking over the running of the hospital.

#### Personal Workload:

Total number of operations: 113 interventions on 75 Patients

Trauma 62 (Armes Blanches 7, Gunshot 21, Burn 14, MVA 8, Other 12) Cesars 15, Infection 16, Other 19, Laparotomy 26, Fractures 28, other 49

#### Teaching:

I ran three concurrent training programs:

1. For the General Staff, Nursing and Medical, of Rutshuru Hospital
2. For the Operating Theatre Nurses
3. For the two Congolese Surgical Registrars working at the hospital.

This consisted of interactive lectures and hands-on workshops. Program Chirurgial Yves et Christian Anatomie Abdominal et L'Abdomen Aigue; L'Anatomie et la Physiologie de la Peau; Le Processus Inflammatoire; Le Control de l'Hemorrhagie; Anatomie du Membre Inferieure; La Guerrison des Plaies; Les Sutures, les Aiguies et les Fils; Anatomie du Membre Superieure; Physiologie Digestive; L'Equilibre des Liquides; Physiologie Cardio-vasculaire; Le Debridement des Plaies; Physiologie Respiratoire; Le Drainage Thoracique; Les Soins Post-operatoire; Les Brulures; L'infection Chirurgial; Les Amputations; Prise en Charge du Malade Bruler; L'Anatomie du Cou; Technique Chirurgial : Laparotomie; La Colostomie et Anastomose Intestinal (**Workshop on Bovine Intestine**); La Diabesite

### **6.8 2018: Appointed International MSF Surgical Demonstrator (Trauma/Vascular)**

10th International MSF Surgical Workshop

Department of Anatomy, Dusseldorf University, Dusseldorf, Germany, 17 – 21 Sept 2018

**Invited International MSF Demonstrator** (Trauma; Vascular)

## **7. Teaching**

### **7.1 Overseas Surgical Trainees**

Our big Vascular Unit has had a constant stream of fully accredited and registered overseas Vascular Surgeons working in our unit since I started at Westmead 20 years ago. One of the attractions of our unit has been our early and enthusiastic embrace of Endovascular Surgery. As the principal driver of these new techniques in our unit, these overseas surgeons would spend a lot / most of their time attached to my service. They would take part in the clinical work load, as well as supporting my research and training programs.

### Overseas Vascular Surgeons doing Westmead Fellowships:

1. Gabrielle Cassorla, Vascular Surgeon, Chile.  
2 year attachment. Year 1 was research only with Prof J. Fletcher. Year 2 was clinical attachment to our unit as Vascular Fellow. 2010 -2011
2. Chumpole Wongwannit, Vascular Surgeon, Thailand  
2 year attachment. Year 1 was research only with Prof J. Fletcher. Year 2 was clinical. 2002 - 2003
3. Khalid Al Brakheit, Vascular Surgeon, Saudi Arabia  
One year attachment to our unit as Vascular Fellow.
4. Mohammed Bafaraj, Vascular Surgeon, Saudi Arabia  
One year attachment to our unit as Vascular Fellow.
5. Mohammed Al Garni, Vascular Surgeon, Saudi Arabia  
Two year attachment
6. Dr Amal Al Hamdan, Vascular Surgeon, Saudi Arabia  
October 2004 – August 2005
7. Dr Rosie Darwood, Vascular Surgeon, UK.  
Two year attachment January 2013 – December 2014
8. Dr Alok Docaloc, Vascular Surgeon, UK  
One year Vascular Fellowship, 2007
9. Dr Kristi Janho, Jordan  
Vascular Fellow at Westmead hospital, August 2007 to July 2009.
10. Dr Paul Burns, Vascular Surgeon, UK, One year 2014
11. Dr Jill O'Donnel, Vascular Surgeon, Ireland, One year 2012
12. Dr Tan, Malaysia, One year 2016

### Oveseas Surgeons doing Hemodialysis Access Fellowships with JS

Over the years, an increasing number of overseas surgeons have applied to do Fellowships with me to learn more about Access Surgery, especially training in Fistula Ultrasound and Endovascular Fistula techniques.

Most of these Fellows have been fully registered in Australia as Medical Practitioners. Some have been Vascular Surgeons, some General Surgeons and increasingly, Nephrologists interested in becoming Interventional Nephrologists.

#### 1. Dr Burapa, General & Vascular Surgeon, Thailand

3 month, fully registered attachment to my unit for Hemodialysis Access Training.

#### 2. Dr. Tan Kia Lean, General Surgeon, Malaysia

One year appointment, 2011, to Dr JS, to train in all aspects of Hemodialysis Access. Fully registered in Australia as a Medical Practitioner. Fully funded by his parent organisation in KL, Malaysia.

#### 3. Dr Piya Lebkhao, General Surgeon, Kratumbaen Hospital, Thailand

Six month appointment, 2016, to Dr JS, to train in all aspects of Hemodialysis Access. Fully registered in Australia as a Medical Practitioner. Fully funded by a "Weary Dunlop Fellowship" arranged thru the RACS

#### 4. Dr Josheph Lo Man Wai, Consultant Nephrologist, Hong Kong

MBBS, University of Hong Kong (1999); Royal College of Physicians (United Kingdom); Hong Kong College of Physicians (2003)

Joseph was appointed to Dr JS as a Fellow in Interventional Nephrology at Westmead Hospital from February 2013 until May 2013. He practiced as a fully accredited and registered Australian doctor.

His main brief was learning techniques in creating and maintaining native AV fistulas for hemodialysis access.

#### 5. Chris Leo Associate Consultant Tan Tock Seng Hospital, Singapore

MBChB (Auckland, New Zealand), MRCP(UK)

Chris was attached to the Western Renal Service at Westmead Hospital for 6 months under the supervision of Dr Jan "John" Swinnen, Vascular Surgeon and Hemodialysis Access Surgeon. The attachment ran from 2/February/2015 until 31/July/2015. Dr Leo trained in all aspects of Hemodialysis Access including ultrasound, open and endovascular fistula surgery, and Access Management.

#### 6. Dr Tan Ru Yu, Consultant Nephrologist, Singapore General Hospital.

Dr Ru is an Interventional Nephrologist interested in expanding her skills and knowledge of Hemodialysis Access. She is attached to the Western Renal Area Nephrology Unit as a Fellow with Dr JS. She is fully registered as a Medical Practitioner in Australia and is fully funded by the Singaporean government for her Fellowship. She will be working with me for one year, from April 2017 – April 2018.

### **7.2 Australian Trainees**

#### 1. Supervisor Vascular Surgical Training, Westmead Hospital

I was the Supervisor of Vascular Surgical Training at Westmead from 2003 – 2015.

\* Every year since my appointment in 2001, I have been involved with the training of our two local OR one local + one overseas Vascular Trainee. My particular contribution to their training was the Endovascular, Ultrasound and Hemodialysis Access work.

#### 2. Endovascular Training, Dr Irwin MOHAN

Dr Mohan trained in Endovascular Surgery under my supervision for one year in 2006 at Westmead Hospital. Dr Mohan was appointed Staff Specialist Vascular Surgeon to Westmead Hospital, but coming from the UK he lacked Endovascular training. To work independently in this area, he agreed to undergo 1 year of Endovascular Surgical Training under my supervision at Westmead Hospital.

#### 3. General Surgical Trainees attached to our unit

Every year, our unit has a General Surgical Trainee rotating thru our unit. As Supervisor of Vascular Surgical Training I was responsible for organising their supervision and training in Vascular Surgery.

#### 4. Medical Student education

For 7 years, from the time of my appointment in 2001 until 2008, I took an active part in Medical Student Training, devoting one session (90") per week to Med 2 and Med 3 teaching. Over that period, I was also an examiner in the Medical Student exams.

From 2008 onwards, my clinical workload and post-graduate teaching overwhelmed my ability to do regular Medical Student teaching.

Currently, with my Unit much better staffed, I am once again in a position to be actively involved with medical students.

#### 5. RMO teaching program

Over the years, I have been involved in RMO teaching, running regular Friday morning teaching sessions (called "Heresies in Vascular Surgery").

#### 6. Nursing "In-service" program

Throughout my tenure, I have been very active in Nurse education, particularly for the introduction of the new Endovascular Techniques to Westmead Hospital.

I have done numerous "In-service" teaching sessions to Nurses from the Vascular Ward, Ulcer Clinic, Operating Theatres, Theatre Recovery and in Cathlab, where I do about half my interventional work.

I have also presented every year to the Nursing Surgical Symposium held at Westmead Hospital every year.

#### 6. "In service" to DNMUS

I am a regular contributor to the Weekly Department of Nuclear Medicine and Ultrasound meetings. I generally talk on Vascular Ultrasound related topics on which I am the local expert.

#### 7. Training Nephrologists

Because of my increasing clinical commitment to Hemodialysis Access, I have become more involved in training Nephrology colleagues and Nephrology Trainees in the surgical and ultrasound aspects of Hemodialysis.

\* Dr Martin Feddersen. Nephrology Trainee Westmead Hospital 2013-2015

Interventional Nephrology Training: For his second year of training at Westmead, Martin joined me for 2 half days per week for training in fistula ultrasound and endovascular fistula treatment.

\* Dr Steve May, Consultant Nephrologist, Tamworth Hospital

Proctorship Westmead Hospital in Endovascular Fistula Surgery

2 days as a fully registered Medical Practitioner 2009

\* I am a regular contributor to the "Kidney School" training sessions for the Nephrology trainees.

## **8. Order of Australia Medal (OAM)**

In 2016 I was awarded the Order of Australia Medal for services to health care, particularly my work overseas with MSF.

November 2017

## **9. Setting up an Endovascular Fistula Service at SIUT, Karachi, Pakistan, 2018**

Since 2014, I have been involved as a Surgeon with Sind Institute for Urology and Transplantation: "SIUT". The organisation, like MSF, raises money and resources from the world's wealthy to provide the world's poorest and most disadvantaged with free medical care.

SIUT was set up about 15 years ago as a non-profit medical service in Karachi by Professor Adib Rizvi, a Urological Surgeon, to provide quality health care for patients with urological problems and renal failure. The service is completely free and is blind to race, religion, sex and ethnicity. It is supported, like MSF, by unconditional charitable donations; much comes from the Muslim "tithe" from Pakistan and other parts of the Muslim world.

The SIUT service has expanded dramatically over the years and now performs more than 400 ethical living related donor kidney transplants per year. SIUT in Karachi provides approximately 60% of Pakistan's Hemodialysis Service (Population Pakistan ~200 million). They look after 8000+ patients on Hemodialysis at their main hospital and in their 5 Satellite Dialysis centers. At the main SIUT hospital in Karachi, their 157 chair **dialysis unit dialyses 1000 patients per day!** At their Satellite Dialysis Centres, they perform a further 7000 dialysis sessions per day.

I have visited SIUT on a yearly basis for the last 5 years with a team from Westmead Hospital, headed by the eminent transplant nephrologist, Professor Jeremy Chapman. SIUT is run with the highest ethical standards, and provides high quality medical care to the Pakistani population, including the poorest of the poor. Many of the patients from outside Karachi sleep on the street

outside the hospital with their families while undergoing Hemodialysis Fistula Formation or awaiting kidney transplantation.

SIUT was set up initially to transplant patients, and they do 400 – 500 living donor transplants per year. However, SIUT receives about 5000 new patients in ESRF per year. Inadvertently, as a result, they have an ever growing Hemodialysis population. Every year, my role as overseas Hemodialysis advisor has become bigger and more important.

During early visits, I introduced Duplex Ultrasound to all aspects of their service, as well as helping improve their fistula surgery and dialysis management. In 2017, I was invited to set up an Endovascular Fistula Service at SIUT. A purpose built theatre was constructed, with Ultrasound, Xray imaging and support staff. I went to Karachi for 1 Month in July – August 2018, and recruited a senior Dialysis Nurse (Debbie Knagge) and Fistula Sonographer (Donna Oomens) to join me for one week each to support my mission.

Setting up the Endovascular Fistula Service involved the following eight steps:

1. High grade Ultrasound for planning and preop assessment (I had done this on previous missions).
2. Introduction of Local Anesthetic Arm block, Ultrasound guided, for anaesthesia.
3. Helping the radiographer use the Imaging – C-arm Image Intensifier in the fistula setting.
4. Acquiring an appropriate x-ray operating table.
5. Endovascular equipment. I took across about A\$ 25,000.00 worth of donated endovascular equipment, as well as helping the staff set up a system for sterilising and re-using disposable equipment.
6. Training the Operating Room nursing staff in the very different skills and set ups needed for Endovascular Surgery (as opposed to Open Surgery).
7. Training the Access Surgeons in Endovascular Techniques, from “scratch”.
8. Setting up Protocols for preop, intra-op, postop patient care.

During my month long mission, we did 160 Patient Consultations - Ultrasound Scans, 43 Operations, including 6 Open surgery and 37 Endovascular cases and I gave 9 Talks / Presentations.

The mission was considered a success and I have been asked to go back for 2 weeks in March 2019 to give them further Endovascular Training. I am told our unit is the first Endovascular Fistula Service in Pakistan.



Dr Jan "John" Swinnen

General Surgeon FRACS (General)

Vascular / Endovascular Surgeon FRACS (Vascular)

MSF Trauma Surgeon

Hemodialysis Access Specialist