

Curriculum Vitae

David Eric Huber

Degrees: 1977 MBBS (UNSW)
1984 FRACS (General Surgery)
1990 FRACS (Vascular Surgery)
1995 Diploma of Diagnostic Ultrasound (Vasc)

Current appointment: Clinical Associate Professor,
Graduate School of Medicine, University of Wollongong

Training:

Prince of Wales - Prince Henry Group of Hospitals, Sydney 1977 – 1983

The Kings College Hospital, London

1984 - 1986 Senior Surgical Registrar in Gastroenterology,
Vascular and Breast Surgery
1986 Research Fellow and Honorary Registrar, The Kings
College School of Medicine and Dentistry. Work was done in the
Thrombosis Research Unit under Prof VV Kakkar, Supervisor – P
Stroobant PhD.

Concord Repatriation Hospital, Sydney

Senior Surgical Registrar in Vascular Surgery

Specialty Vascular Surgery Training Scheme

1988 Senior Vascular Registrar Royal Prince Alfred Hospital
1989 Senior Vascular Registrar Prince of Wales and Prince
Henry Hospitals

Research

Research Fellow at The Kings College School of Medicine and Dentistry London

Setting up “Human Arterial Smooth Muscle Cell” lines in culture.

Determining the response of these lines of cells to various Heparin fractions

Isolating a growth factor secreted by human arterial smooth muscle cells (PDGF related growth factor – A chain)

Clinical trials included:

Subcutaneous versus Intravenous Heparin for DVT

Trial on externally supported PTFE grafts

Correlation between DVT and venous stasis change

Test to monitor LMW Heparin

Previous Research and Interests

- Main interest is the development of devices designed to prevent deep tissue injuries. Product development is through a startup company (Viater Medical) and the research is conducted through SESIAHS with advice from the GSM Wollongong University (Prof Iverson)
- Trials to determine the importance of elevation of the heel in the prevention of decubitus ulcers.
- Incidence of popliteal vein compression in supine anaesthetized patients.
- Relationship between popliteal vein compression and the incidence of DVT in patients undergoing surgery.

Papers Presented

“Results of a Dose Ranging Trial Use Kabi Low Molecular Weight Heparin in the Prophylaxis Against post operative DVT” – Symposium on Low Molecular Weight Heparin. Bad Reichenhall, Germany. 1986

“Results of a Trial Comparing Subcutaneous versus Intravenous Administration of Unfractionated and Low Molecular Weight Heparin” –

The Surgical Research Society of England, Leicester University. 1986

Also presented at the 2nd International Vascular Symposium, London. 1986

“A Prospective Study of Externally Supported PTFE Grafts” 2nd International Vascular Symposium, London 1986

“Does Heparin Prophylaxis Reduce Overall Mortality due to Cardiovascular Disease?” – 2nd International Vascular Symposium, London. 1986

“Platelet Derived Growth Factor A-chain Gene Activation and Growth Factor Production by Human Aortic Smooth Muscle Cells” – ASM Royal Australasian College of Surgeons. 1986

“A Trial of Subcutaneous versus Intravenous Administration of LMW and Unfractionated Heparin in the Treatment of Established DVT” – ASM Royal Australasian College of Surgeons. 1986

“Inhibition of Human Smooth Muscle Cell Proliferation by Fractionated Species of Heparin and Related Heparin-like Molecules” – Scientific Meeting of the State Committee of the Royal Australasian College of Surgeons. 1986

“Day-Only Admission for Varicose Veins Surgery” – ASM Royal Australasian College of Surgeons. 1994

“Colour Duplex Ultrasound versus DSA in the diagnosis of Lower Extremity Vascular disease” – International Society of Cardio-Vascular Surgery. 1995

“Day-Surgery for Varicose Veins and Health Department Policy” – International Phlebology Meeting Melbourne 1997

“How I Deal with the Sapheno-Femoral Junction” – Phlebology Meeting Canberra. 2001

“The Diabetic Foot” – Illawarra General Practitioner Forum. 2001

“Setting up an Endovascular Suite” Vascular Section Royal Australian College of Surgeons October 2005

“Prevention of Heel Decubitus Ulcers in Elderly Patients with the use of a Prosthesis” ASM Royal Australasian College of Surgeons 2005

“Algorithm for the treatment of Varicose Veins” Phlebology Society 2005

“Using negotiators and lobbyists to improve infrastructure for the care of your patients” – NSW Vascular Group – Newcastle February 2007

“Elevation for the prevention of heel pressure ulcer” Presented to the Medical Research Network. University of Wollongong September 1 2007

“Prevention of heel ulcers in the operating theatre” Presented to the Australian Wound Management Association at the National Meeting in Darwin. May 7-10 2008. Also present at the Combined Annual Surgical Meeting of the Royal College of Surgeons in Hong Kong. May 12-17 2008

“Popliteal vein compression under general anaesthetic – a potential instigator of deep vein thrombosis”. Presented at the Combined Annual Surgical Meeting of the Royal College of Surgeons in Hong Kong. May 12-17 2008

”Prevention of Pressure Ulcers in the Operating Theatre” – Presented to the American College of Surgeons, San Francisco, October 2011.

“The Association between Popliteal Vein Compression and DVT” – presented at the Royal Australasian College of Surgeons Annual Scientific Conference, Kuala Lumpur, May 2012

Chimneys, Snorkels and Periscopes in Juxtarenal Aneurysms” – presented at the Royal Australasian College of Surgeons Annual Scientific Conference, Singapore, May 2014.

Publications

“A Case Report of Splenic Pregnancy” Aust NZ J Surg. 54(2):81-2 1984

“Abdominal Retraction” (letter) Annals of the RCSEng 68:290 1986

“Dose Ranging Studies Using Kabi2165 LMW Heparin in Prophylaxis against Post Operative DVT” Proceedings of the Symposium on LMW Heparin. 1986

“A Trial of Subcutaneous versus Intravenous Heparin in the Treatment of Established DVT” – Murray W, Malone PS, Parker C, Huber D, Kakkar VV. Br J Surg 73:1038 1986

“Atheroma a New Hypothesis” - Parker C, Stoobant P, Kanthou C, Richardson N, Pringle N, Huber D, Kakkar VV. Br J Surg 74:526 1987

“Is the Post Phlebetic Limb always Post-Thrombotic?” – Parker C, Huber D, Kakkar VV Br J Surg 74:545 1987

“Aortic Surgery in the Presence of Horseshoe Kidney” - Huber D et al Aust NZ J Surg. 60(12):963-6 1990

“Ruptured Abdominal Aneurysms” – Chapter 18 in “Emergency Abdominal Surgery” with Prof RJ Lusby ed RCN Williamson and MJ Cooper publ Churchill Livingston 1990

“Does Division of the Left Renal Vein During Aortic Surgery Adversely Affect Renal Function?” – Huber D et al Annals of Vasc Surg 5(1):74-9 1991 Jan

“Effects of Furegrelate on Patency and Platelet Deposition after Canine Carotid Endarterectomy (Clinical Trial) – Payne J, Langsfeld M, Huber D et al Aust NZ J Surg 61(8):619-25 1991

“Obturator Bypass in the Management of Infected Prosthetic Vascular Grafts” – Lai D, Huber D, Hogg J Aust NZ J Surg 63(10):811-4 1993

“Day-only Admission for Varicose Vein Surgery” – Liew S, Huber D et al Aust NZ J Surg 64(10):688-91 1994

“Colour Coded Duplex Ultrasound in the Selection of Patients for Transluminal Angioplasty” – Lai D, Huber D et al Aust Radiology 39(3):243-5 1995

“Colour Duplex Ultrasonography versus Angiography in the Diagnosis of Lower Extremity Arterial Disease” – Lai D, Huber D et al *Cardiovasc Surg* 4(3):384-8 1996

“Normal Popliteal Artery Diameter by Duplex Ultrasound” – Crawford M, Huber D et al *J of Vasc Tech* 22(1) 1998

“Outcomes of Carotid Endarterectomy – How Does the Australian State of New South Wales Compare with International Benchmarks?” Middleton S, Donnelly N *Journal of Vascular Surgery*, Volume 36, Issue 1, Pages 62-69. Participant

“Increasing Heel Skin Perfusion by Elevation is compared to Three Other Pressure Relieving Applications” Huber J, Reddy R, Pitham T, Huber D. *Advances in Skin & Wound Care*. January 2008, Volume 21, Issue 1, pp.37-41.

“Prevention of heel ulcers in the operating theatre” Abstract in the *ANZ J. Surg.* 2008;78 (Suppl. 1) pA154

“Popliteal vein compression under general anaesthetic – a potential instigator of deep vein thrombosis” Abstract in the *ANZ J. Surg.* 2008;78 (Suppl. 1) pA153

“Popliteal Vein Compression Under General Anaesthesia” Huber DE, Huber JP. *EJVES* 2009;37:464-469.

"Using bilateral iliac branched devices for endovascular iliac aneurysm repair" Huilgol R, Lennox A, Boyne N, Villalba L, Huber D, Goodman M. (2011) *ANZ J of Surgery*, 81:822-826. doi: 10.1111/j.1445-2197.2011.05710.x

“Changes in popliteal flow velocity with knee flexion - the efficacy of calf compressors” Levine A, Huber JP and Huber DE, 16 May 2011, doi: 10.1258/phleb.2010.010035

“A Comparative Assessment of Surgical Theatre Heel Pressure Ulcer Prophylactics” Malkoun M, Huber JP and Huber DE, *Int Wound J.* 2012 Jun;9(3):259-63. doi: 10.1111/j.1742-481X.2011.00865.x. Epub 2011 Sep 13.

"The association between popliteal vein compression and deep venous thrombosis: results of a pilot study" Huber D, Huber J, DeYoung E. *Phlebology* 2013;28:305-307

"Preventing deep tissue injury of the foot and ankle in the operating theatre." D. Huber *Wounds UK*, 2013 June;9 no.2:34-38

"Aggressive fistuloplasty and the use of drug elution balloons in reducing the incidence of thrombosis and failed arteriovenous fistulas: a retrospective cohort study": Farshid Niknam; Siobhan Clayton; David Huber; Laurencia Villalba; *ANZ Journal of Surgery*. 86():173, May 2016

"Multicentre, randomised, blinded, control trial of drug-eluting balloon vs sham in recurrent native dialysis fistula stenosis". J Swinnen, et al. *J. Vasc. Access*. 2019 May;20(3):260-269. doi: 10.1177/1129729818801556. Epub 2018 Sep 18.

"Triage of patients with venous and lymphatic diseases during the COVID-19 pandemic – The Venous and Lymphatic Triage and Acuity Scale (VELTAS): A consensus document of the International Union of Phlebology (UIP), Australasian College of Phlebology (ACP), American Vein and Lymphatic Society (AVLS), American Venous Forum (AVF), European College of Phlebology (ECoP), European Venous Forum (EVF), Interventional Radiology Society of Australasia (IRSA), Latin American Venous Forum, Pan-American Society of Phlebology and Lymphology and the Venous Association of India (VAI)".
<https://doi.org/10.1016/j.jvsv.2020.05.002>

Memberships

The Australian Medical Association

Australian Society of Ultrasound in Medicine

Fellow of the Royal Australasian College of Surgeons

ANZ Society of Vascular Surgery

International Society of Cardiovascular Surgery

International Society of Endovascular Specialists

Fellow of the Australasian College of Phlebology

Double Bay Sailing Club

Previous Positions Held

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| 1990 – 2016 | VMO Vascular Surgeon – Wollongong Hospital |
| 1990 – 2019 | Partner South Coast Vascular Laboratory |
| 1992 – 2016 | Chairman Department of Vascular Surgery Wollongong Hospital – 2006 established the first hybrid endovascular suite in the public health system in Australia |
| 1996 – 1998 | Member of the NSW fees committee of the AMA |
| 1999 – 2001 | Councilor of the State Committee of the AMA |
| 1998 – 2002 | Chairman of the Section of General Surgery IAHS Northern Sector |
| 2004 – 2006 | Surgical Stream Director for the IAHS |
| 2003 – 2018 | Managing Director Viater Medical |
| 2012 | Member of the Small Working Group for the development of the International Guidelines for the Prevention of Pressure Injuries |
| 2011– present | Executive board member of the Australasian College of Phlebology |
| 2006 – 2017 | Chairman of Viater Medical. (Start-up company specializing in the development of products designed to prevent and treat pressure sores). |
| 2018 | Member of the Australian Consensus Forum (subcommittee of APEC) representing the Australian College of Phlebology |
| 2017 – present | Phlebologist – The Art of Vein Care (AVC) Wollongong, South West Sydney and Orange |
| 2017 – present | Principle South West Vascular Laboratory |
| 2019 – present | Principle Illawarra Vascular Ultrasound |