KATHLEEN D. GIBSON, MD 1135 116th Ave NE, Suite 305

Bellevue, WA 98004 (425) 453-1772

PERSONAL

Born in Lafayette, Indiana; October 26, 1966

EDUCATION

Endovascular Fellowship: Kaiser Permanente Hospital Honolulu, HI; October-December 2001

Fellowship: University of Washington School of Medicine Vascular Surgery, June 1999-June 2001

Residency: University of Washington School of Medicine General Surgery; 1994-June 1999

MD: University of Washington School of Medicine Seattle, WA; September 1990-June 1994

BS: University of Washington Seattle, WA Major: Chemical Engineering September 1985-December 1989

PROFESSIONAL EXPERIENCE

Vascular Surgeon Partner, Lake Washington Vascular Surgeons PLLC Medical director, September 2018-present Bellevue and Kirkland, WA Privileges held at: Overlake Hospital Medical Center, Bellevue, WA Evergreen Hospital Medical Center, Kirkland, WA July 2001-present

Chief of Surgery Overlake Hospital Medical Center, Bellevue, WA September 2005-December 2007

BOARD POSITIONS

Overlake Hospital Medical Center Board of Directors Board Member At-large, July 2010-January 2013 American Vein and Lymphatic Society (Formerly American College of Phlebology) Board of Directors, July 2014-present Executive Board, November 2018-present American Board of Venous and Lymphatic Medicine Board of Directors, September 2015-present

BOARD CERTIFICATION

American Board of Surgery February 2000, September 2011

American Board of Surgery, Vascular Surgery May 2002, November 2011

STATE LICENSURE

1994-present Washington State MD 0036183 2001-present State of Hawaii MD 11532

COMMITTEES AND EDITORIAL BOARDS

2018-present	Secretary, Executive Committee, American Vein and Lymphatic Society
2019-present	Membersip Committee, American Vein and Lymphatic Society
2018-present	Research Standing Committee, American Vein and Lymphatic Society
2018-present	International Pelvic Vein Work Group (co-sponsored by AVLS and SIR)
2018-present	Selected reviewer, British Medical Journal
2009, 2014,	American College of Phlebology Program Committee
2018	
2017-2019	American College of Phlebology: Registry Research Co-chair
2016	American College of Phlebology: Annual Program Chair
2016-present	American Venous Forum, Bylaws Committee
2015-present	American Board of Venous and Lymphatic Medicine: Question

	Writing Committee
1	American College of Phlebology: Guidelines Committee
2014-present	American College of Phlebology: Scientific Committee
2014-present	Vein Magazine: Medical Advisory Board
2013-present	European Journal of Vascular and Endovascular Surgery: Selected
	Reviewer
2013-2016	American Board of Surgery: Vascular Surgery Qualifying Exam
	Committee
2013-present	Society for Vascular Surgery: VESAP Writing Committee
2013-2015	American Venous Forum : Vascular Fellow's Education
	Committee, 2014 Chair
2013-2019	American Venous Forum: Membership Committee, 2018 Chair
2013-2016 A	merican College of Phlebology: ACCME Committee
2013-present	Phlebology: Selected Reviewer
2013-present	European Journal of Vascular Endovascular Surgery: Selected
-	Reviewer
2011-present	Journal of Vascular Surgery: Selected Reviewer
2007-2010	Western Vascular Society: Membership Committee

PUBLICATIONS

Gibson K, Elias S, Adelman M, Hager E, Dexter D, Vyuvegula S, Chopra P, Kabnick L, "A Prospective Safety and Effectiveness Study using endovenous laser ablation with a 400 µm optical fiber for the treatment of pathologic perforator veins in patients with advanced venous disease (SeCure trial)" in press, J Vasc Surg Venous Lymphat Disord 2020

Joh J, Cho S, Gibson K, Lee S, Kim S, "Incidence, classification, and risk factors of endovenous glue-induced thrombosis after cyanoacrylate closure of the incompetent saphenous vein," in press, J Vasc Surg Venous Lymphat Disord 2020

Gibson K, Minjarez R, Rinehardt E, Ferris B, "Frequency and severity of hypersensitivity reactions in patients after cyanoacrylate treatment of superficial venous insufficiency" Phlebology 2019; epub ahead of print

Gibson K, Minjarez R, "Pelvic venous reflux (Pelvic congestion syndrome)." Vascular Medicine, epub ahead of print August 23, 2019

Lee QWS, Gibson K, Chan SL, Rathnaweera JP, Chong TT, Tang TY. "A comparisons between Caucasian and Asian superficial venous anatomy and reflux patterns-Implications for potential precision endovenous ablation therapy."

Phlebology, 2019: epub ahead of print

Khilnani N, Meissner M, Learman L, Gibson K, Daniels J, Winkour R, Marvel R, Machan L, Venbrux A, Tu F, Pabon-Ramos W, Nedza S, White S, Rosenblat M. "Research Priorities in Pelvic Venous Disorders in Women: Recommendations from a Multidisciplinary Research Consensus Panel." Journal of Interventional Radiology, 2019;30:781-9.

Morrison N, Jones A, Vasquez M, Weiss R, Cher D, Madsen M, Gibson K. "Comparison of cyanoacrylate closure and radiofrequency ablation for the treatment of incompetent great saphenous veins: 36-month outcomes of the VeClose randomized controlled trial." In press

Gibson K, Minjarez R, Gunderson K, Ferris B. "Need for Adjunctive Procedures Following Cyanoacrylate Closure of Incompetent Great, Small and Accessory Saphenous Veins without the use of Post-Procedure Compression: Three Month Data from a Post-Market Evaluation of the VenaSeal System (the WAVES Study)." Phlebology 2019; 34(4):231-7.

Gibson K, Morrison N, Kolluri R, Vasquez M, Weiss R, Cher D, Madsen M, Jones A. "Twenty four Month Results from a Randomized Trial of Cyanoacrylate Closure versus Radiofrequency Ablation for the Treatment of Incompetent Great Saphenous Veins." J Vasc Surg Venous Lymphat Disord, 2018 Sep;6(5):603-613.

Gibson K, Gunderson K. "Liquid and Foam Sclerotherapy for Spider and Varicose Veins." Surg Clin North Am, 2018 Apr;98(2):415-429.

Gibson K, Minjarez R, Ferris B, Neradilek M, Wise M, Stoughton J, Meissner M. "Clinical Presentation of Women with Pelvic-Source Varicose Veins in the Perineum as First Steps in the Development of a Disease-Specific Patient Assessment Tool." J Vasc Surg Venous Lymphat Disord, 2017 Jul;5(4):493-499.

Morrison N, Gibson K, Vasquez M, Weiss R, Cher D, Madsen M, Jones A. "VeClose Trial 12-Month Outcomes of Cyanoacrylate Closure Versus Radiofrequency Ablation for Incompetent Great Saphenous Veins." J Vasc Surg Venous Lymphat Disord, 2017 May;5(3):321-330.

Gibson K, Ferris B, "Cyanoacrylate Closure of Incompetent Great, Small and Accessory Saphenous Veins without the use of Post-Procedure Compression:

Initial Outcomes of a Post-Market Evaluation of the VenaSeal System (the WAVES Study)." Vascular 2017 Apr;25(2): 149-56.

Gibson K, Schul M, Meissner M, Khilnani N. "American College of Phlebology Guidelines-Treatment of Refluxing Accessory Saphenous Veins." Phlebology, 2017 Aug;32(7):448-452

Gibson K, Kabnick L, "A Multicenter, Randomized, Placebo-Controlled Study to Evaluate the Efficacy and Safety of Varithena® (Polidocanol Endovenous Microfoam 1%) for Symptomatic, Visible Varicose Veins with Saphenofemoral Junction Incompetence." Phlebology, 2017 Apr;32(3):185-193

Kolluri R, Gibson K, Cher D, Madsen M, Weiss R, Morrison N. "Roll-in phase analysis of clinical study of cyanoacrylate closure for incompetent great saphenous veins." J Vasc Surg Venous Lymphat Disord. 2016 Oct;4(4):407-15.

Gibson K, "Incorporating nontumescent ablation into your practice." Endovascular Today, 2016 July; 75-78.

Gibson K, "Tips and tricks for the diagnosis and managemnt of vulvar varicose veins." In Allegra C, Antignani P, Kalodiki E, editors: <u>Tips and tricks in angiology.</u> Turin: Edizioni Minerva Medica; 2016. ISBN:978-88-7711-868-4.

Gibson K, Tabah A. "Clinical evidence behind the Venaseal™ Closure System." Endovascular Today, 2015 July; 33-35.

Meissner M, Gibson K. "Clinical outcome after treatment of pelvic congestion syndrome: sense and nonsense." Phlebology 2015 Mar;30(1 Suppl): 73-80.

Morrison N, Gibson K, McEnroe S, Goldman M, King T, Cher D, Jones A. "Randomized trial comparing cyanoacrylate embolization and radiofrequency ablation for incompetent saphenous veins (VeClose)." J Vasc Surg. 2015 Apr;61(4):985-94.

Rathbun S, Norris A, Morrison N, Gibson K, Raymond-Martimbeau P, Worthington- Kirsch R, Hohenwalter E, Lohr J, McLafferty R, Stoner J. "Performance of endovenous foam sclerotherapy in the USA for the treatment of venous disorders: ACP/SVM/AVF/SIR quality improvement guidelines." Phlebology. 2014 Mar;29(2):76-82.

Chi YW, Schul M, Gibson K, Rosenblatt M, Kabnick L, Jaff M. Chronic venous disorder registry: a new perspective." Phlebology 2013: May 3;29(7):415-247.

Gibson K, Wright D, Meissner M. "Great saphenous vein (GSV) diameter does not correlate with worsening quality of life scores in patients with GSV incompetence," J Vasc Surg. 2012 Dec;56(6):1634-41.

Rathbun S, Norris A, Morrison N, Gibson K, Hohenwalter E, Lohr J, Raymond-Martimbeau P, Worthington-Kirsch R, Stoner J. "Performance of the endovenous foam sclerotherapy in the USA," Phlebology, March 2012; 27(2):59-66

Wise M, Klein D, Gibson K. "Isolated Superficial Femoral Artery Aneurysm: A Case Study," J Vasc Ultrasound. 2012;36(1):42-44.

Regan J, Gibson K, Rush J, Shortell C, Hirsch S, Wright D. "Clinical significance of cerebrovascular gas emboli during polidocanal endovenous ultrasound: correlation with magnetic resonance imaging in patients with right-to-left shunt," J Vasc Surg, January 2011; 53(1):131-7.

Wright D, Gibson K, Barclay J, Razumovsky A, Rush J. "High prevalence of right-to-left shunt in patients with symptomatic great saphenous incompetence and varicose veins," J Vasc Surg, January 2010; 51:104-7.

Gibson K, Ebert A. "Preoperative Vein Mapping," <u>Strandness's Duplex Scanning</u> <u>in Vascular Disorders</u> Fourth Ed., Philadelphia: Lippincott Williams & Wilkins, 2010; 231-234.

Gibson K, Ebert A. "Venous Ablation Procedure," <u>Strandness's Duplex Scanning</u> <u>in Vascular Disorders</u> Fourth Ed., Philadelphia: Lippincott Williams & Wilkins, 2010, 235-239.

Wise M, Gibson K. "Bilateral Superficial Temperal Artery Aneurysms," Journal for Vascular Ultrasound. 2009 Dec:33(4)192-194

Gibson K, Ferris B, Pepper D. "Foam sclerotherapy for the treatment of superficial venous insufficiency," Surg Clin North Am. 2007 Oct;87(5):1285-95.

Gibson K, Ferris B, Pepper D. "Endovenous laser treatment of varicose veins.," Surg Clin North Am. 2007 Oct;87(5):1253-65.

Gibson K, Ferris B, Polissar N, Neradilek B, Pepper D, "Endovenous Laser Treatment of the Small Saphenous Vein: Efficacy and Complications," J Vasc Surg. 2007 Apr;45(4):795-801

Guerro A, Gibson K, Kralovich KA, Pipinos I, Agnostopoulous P, Carter

Y, Bulger E, Meissner M, Karmy-Jones R. "Limb loss following lower extremity trauma: what can be done proactively?" Injury, November 2002;33(9):765-9.

Gibson K, Gillen D, Caps M, Kohler T, Sherrard D, Stehman-Breen C. "Vascular Access Survival and Incidence of Revisions: A Comparison of Prosthetic Grafts, Simple Autogenous Fistulas, and Venous Transposition Fistulas from the Unites States Renal Data System Dialysis Morbidity and Mortality Study," Journal of Vascular Surgery, October 2001; 34(4):694-700.

Gibson K, Kohler T, Stehman-Breen C. "Use of the Vascular Diagnostic Laboratory in Improving the Success of Angioaccess Procedures." Semin Vasc Surg, September 2001; 14(3):222-6.

Gibson K, Caps M, Bergelin R, Primozich J, Strandness DE, Jr. "Identification of Factors Predictive of Lower Extremity Vein Graft Thrombosis," Journal of Vascular Surgery, January 2001; 33(1):24-31

Gibson K, Strandness DE, Jr. "Carotid Endarterectomy Without Arteriography," <u>Current Techniques in Vascular Surgery</u>, New York: McGraw-Hill, 2000; 1-13.

Gibson K, Meissner M, "Deep Venous Thrombosis," <u>Conn's Current Therapy</u> 2001 Ed., Philadelphia, W.B. Saunders Co, 2001; 359-365.

Gibson K, Caps M, Gillen D, Aldassy M, Kohler T, Hatsukami T, Sherrard D, Stehman-Breen C. "Assessment of a Policy to Reduce the Placement of

Prosthetic Hemodialysis Access in a Veterans Health Care System," Kidney International, June 2001, 59(6);2335-45.

Karmy-Jones R, Wilson M, Cornejo C, Wilson M, Gibson K, Engram L, Meissner M, "The Surgical Management of Cardiac Arrest Due to Massive Pulmonary Embolus in Trauma Patients," Journal of Trauma, March 2000; 48(3):519-20

McLanahan D, King LT, Weems C, Novotney M, Gibson K, "Retrorectus Prosthetic Mesh Repair of Midline Abdominal Hernia," American Journal of Surgery, May 1997; 173(5):445-9.

van-Belle G, Gibson K, Nochlin D, Sumi M, Larson EB, "Counting Plaques and Tangles in Alzheimer's Disease: Concordance of Technicians and Pathologists." Journal of the Neurological Sciences, February 12, 1997; 145(2):141-6.

SELECTED INVITED LECTURES/PRESENTATIONS

"Tributary treatment-does saphenous ablation with glue change the deal?", Gibson K, Phlébology Updates - Société Française de Phlébologie, Paris, France, December 7, 2019

"Advanced decision-making: duplex and other imaging for pelvic venous disease", Gibson K, Phlébology Updates - Société Française de Phlébologie, Paris, France, December 6, 2019

"Duplex imaging for pelvic venous disease", Gibson K, Phlébology Updates -Société Française de Phlébologie, Paris, France, December 6, 2019

"WAVES- a new paradigm for tributaries", Gibson K, Phlébology Updates -Société Française de Phlébologie, Paris, France, December 5, 2019

"Is thermal ablation obsolete?", Gibson K, VEITH symposium, New York, November 22, 2019

"Personal experience with polidocanol endovenous microfoam: strengths and weaknesses?", Gibson K, VEITH symposium Venous Workshop, New York, November 21, 2019

"Pelvic Venous Obstruction and Reflux: Diagnosis, Management and Outcomes" Gibson K, AVLS Annual Congress, Phoenix, AZ, November 10, 2019

"NTNT Ablation" Gibson K, AVLS Annual Congress, Phoenix, AZ, November 10, 2019

"Educational or Dangerous? Online Resources for Patients with PeVD-What is the Role of the Medical Professional?" Gibson K, AVLS Annual Congress, Phoenix, AZ, November 8, 2019

"VenaSeal <u>v</u>ersus <u>A</u>blation with Endothermal <u>L</u>aser or Radiofrequency for Saphenous Vein Incompetence: a Comparison of <u>U</u>tilization of Adjunctive Phl<u>e</u>bectomy (VenaSeal Value)", Kathleen Gibson, MD, Kim Glorieux, BS, CCRC, Moni Neradilek, MS, Nayak Polisar, PhD, Renee Minjarez, MD, Brian Ferris, MD, Elena Rinehardt, MD, AVLS Annual Congress, Phoenix, AZ, November 7, 2019, judged 3rd best paper at meeting

"Management of recurrent varicose veins", Gibson K, AVLS Annual Congress, Phoenix, AZ, November 7, 2019

"An update of perforator vein treatment: when and how?", Gibson K, UIP Annual Chapter Meeting, Krakow, Poland, August 27, 2019

"Which vein would I treat by NT-NT technology?", Gibson K, UIP Annual Chapter Meeting, Krakow, Poland, August 27, 2019

"Pelvic vein disorders-when and how to diagnose? How to classify?", Gibson K, UIP Annual Chapter Meeting, Krakow, Poland, August 25, 2019

"Phlebectomy: History, advantages and disadvantages", Gibson K, West Coast Vein Forum, Dana Point, CA, August 23, 2019

"Veins that need ablation: usual and unusual", Gibson K, West Coast Vein Forum, Dana Point, CA, August 23, 2019

"How to start with the Venaseal Closure System: tips for successful therapy", Gibson K, Japanese Society of Phlebology, Nagoya, Japan, July 5, 2019

"Venaseal latest updates", Gibson K, Endovenous Symposium, Seoul, South Korea, July 2, 2019

"How to incorporate Venaseal into your practice", Gibson K, Endovenous Symposium, Seoul, South Korea, July 2, 2019, and Japanese Society of Phlebology, Nagoya, Japan, July 5, 2019

"The latest trial on Venaseal: VeClose Extension 5 year results", Gibson K, Endovenous Symposium, Daejeon, South Korea, July 1, 2019

"Who and How to Treat Pelvic Venous Insufficiency", Gibson K, Master Class Chronic Venous Disease, San Miguel de Allende, Mexico, June 8, 2019

"Current Theories on Indications and Techniques for Perforator Ablation", Gibson K, Charing Cross Congress, London, UK, April 16, 2019

"Post Procedure Care after Cyanoacrylate Ablation", Gibson K, Charing Cross Congress, London, UK, April 16, 2019 "Developing a Treatment Plan and Discussing Complications", Gibson K, Venous Symposium, New York, NY, April 13, 2019

"From Journal to your Practice: Superficial Venous Disease", Gibson K, Venous Symposium, New York, NY, April 13, 2019

"Great Saphenous Treatment: Below the Knee", Gibson K, Venous Symposium, New York, NY, April 11, 2019

"Venous Cosmesis", Gibson K, Venous Symposium, New York, NY, April 11, 2019

"Should all recanalizations be treated?" Gibson K, Sedona Days, Chandler, AZ, March 29, 2019, and VEITH symposium, New York, November 21, 2020

"Is there a role for thrombolysis after ATTRACT/CAVENT?" Gibson K, Strandness Symposium, Maui, Hawaii, March 6, 2019

"Pelvic varices: treatment of chronic pelvic pain and atypical lower extremity varices" Gibson K, Strandness Symposium, Maui, Hawaii, March 6, 2019

"Non-thermal options for saphenous ablation: when to consider them and why?" Gibson K, Strandness Symposium, Maui, Hawaii, March 6, 2019

"Treatment of superficial reflux after DVT-who should we treat and when?" Gibson K, CADECI, Guadalajara, Mexico, March 2, 2019

"Combined pelvic venous reflux and obstruction: which should we treat first?" Gibson K, CADECI, Guadalajara, Mexico, March 1, 2019

"Who should we treat with pelvic vein incompetence?" Gibson K, CADECI, Guadalajara, Mexico, March 1, 2019

"Nonthermal v. thermal ablation: selecting the best technology for your patient" Gibson K, CADECI, Guadalajara, Mexico, March 1, 2019, and Master Class 2019, San Miguel de Allende, Mexico, June 8,2019

"When do I use Nonthermal Ablation?" Gibson K, AVF Annual Meeting, Rancho Mirage, CA, February 22, 2019

"Pelvic Vein Classification" Gibson K, AVF Annual Meeting, Rancho Mirage, CA, February 22, 2019

"How can we evaluate flow? When is it good enough?" Gibson K, VEITH symposium, New York, November 16, 2018

"Quality Of Life After SeCure PERFect: Effect of perforator ablation using the 400 µm optical fiber on venous healing and quality of life (SeCure trial)", Gibson

K, Adelman M, Elias S, Hager E, Dexter D, Vayuvegula S, Chopra P, VEITH symposium, New York, November 15, 2018

"Contraindication and limitations polidocanol endovenous microfoam" Gibson K, VEITH symposium, New York, November 15, 2018

"Using cyanoacrylate without compression-short and midterm outcomes" Gibson K, VEITH symposium, New York, November 15, 2018 and International Vein Congress, Miami, FL March 25, 2019

"Factors associated with Duplex Ultrasound Identified Iliac Vein Obstructive Lesions in Patients Referred to an Outpatient Vascular Laboratory" Gibson K, Coello S, Gunderson K, ACP Annual Congress, Nashville, Tennessee, November 10, 2018, judged best academic paper at meeting; Phlébology Updates - Société Française de Phlébologie, Paris, France, December 6, 2019

"Cyanoacrylate clsoure of perforator veins: initial technical feasibility and safety and presentation of a case of its use in a patient with Ehler's Danlos syndrome and a nonhealing ulcer" Gibson K, Wise M, Minjarez R, ACP Annual Congress, Nashville, Tennessee, November 10, 2018

"Frequency and severity of hypersensitivity reactions in patients after cyanoacrylate treatment of superficial venous insufficiency" Gibson K, Ferris B, Minjarez R, Rinehardt E, ACP Annual Congress, Nashville, Tennessee, November 10, 2018

"Selection of technology for nontruncal ablation" Gibson K, ACP Annual Congress, Nashville, Tennessee, November 10, 2018

"Selection of technology for truncal ablation" Gibson K, ACP Annual Congress, Nashville, Tennessee, November 10, 2018

"A prospective safety and effectiveness study using the endovenous laser ablation technique with a 400 µm optical fiber (SeCure trial) for treating incompetent perforator veins", Gibson K, Adelman M, Elias S, Hager E, Dexter D, Vayuvegula S, Chopra P, ACP Annual Congress, Nashville, Tennessee, November 8, 2018

"Vulvar veins-treat or wait?", Gibson K, ACP Annual Congress, Nashville, Tennessee, November 8, 2018

"Case review: Ehler's Danlos-Lateral Venous Ulcer", Gibson K, The Veins at VIVA, Los Vegas, Nevada, November 4, 2018

"Basics of cyanoacrylate glue: steps and the literature review", Gibson K, The Veins at VIVA, Los Vegas, Nevada, November 4, 2018

"Management of recurrent superficial venous thrombosis: medical management and ablative therapies", Gibson K, The Veins at VIVA, Los Vegas, Nevada, November 4, 2018

"Atypical varicose veins: pathophysiology, treatment indications and methodse", Gibson K, Japanese Society of Phlebology, Yokosuko, Japan, June 15, 2018

"Varicose veins treatments:history and segmental treattment trends", Gibson K, Japanese Society of Phlebology, Yokosuko, Japan, June 14, 2018; Japanese Angiology Congress, Hiroshima, Japan, October 26, 2018

"Sclerotherapy for thigh and pudendal varicose veins", Gibson K, Charing Cross Congress, London, UK, April 25, 2018

"Vulvar veins and the pregnant patient", Gibson K, International Vein Congress, Miami, FL, April 19, 2018 and April 25, 2019

"Cyanoacrylate closure of the saphenous vein-current data and status of reimbursement", Gibson K, International Vein Congress, Miami, FL, April 19, 2018

"Why and how to develop a venous practice", Gibson K, Venous Symposium, New York, NY, April 7, 2018

"Management of tortuous saphenous veins", Gibson K, Venous Symposium, New York, NY, April 6, 2018

"Case-based practical advice for superficial venous disease and leg ulcers", Gibson K, Venous Symposium, New York, NY, April 6, 2018

"Management of pelvic derived varicose veins of the lower extremities and perineum", Gibson K, SIR annual meeting, Los Angeles, CA, March 18, 2018 and CADECI, Guadalajara, Mexico, March 2, 2019

"Breaking barriers and new innovations: Women in Vascular Surgery" Gibson K, the Overlake School, Redmond, WA, March 17, 2018, SCVS, Las Vegas, NV, March 19, 2017

"Why do pelvic interventions fail and what accounts for sub-optimal results in the literature?" Gibson K, American Venous Forum Annual Meeting, Tucson, AZ, February 21, 2018

"How might future treatment strategies such as cyanoacrylate or proprietary foam techniques be applied to venous ulcer treatment?" Gibson K, American Venous

Forum Annual Meeting, Tucson, AZ, February 21, 2018

"Invasive treatment of pelvic venous reflux: principles and efficacy", Gibson K, 6th Symposium on Venous Interventions, Krakow, Poland, December 9, 2017

"Who should we treat with pelvic venous incompetence? From pathogenesis to symptomatology of the pelvic reflux patient", Gibson K, 6th Symposium on Venous Interventions, Krakow, Poland, December 9, 2017

"Diagnostic Workup for Pelvic Venous Disease", Gibson K, 6th Symposium on Venous Interventions, Krakow, Poland, December 8, 2017

"Cyanoacrylate Closure of Incompetent Great, Small and Accessory Saphenous Veins without the use of Post-Procedure Compression: Initial Outcomes of a Post-Market Evaluation of the VenaSeal System (WAVES trial)-12 Month Data", Gibson K, Charing Cross, London, UK, April 25, 2017, ACP Annual Congress, Austin, Texas November 2, 2017, VEITH symposium, New York, November 16, 2017

"Pathophysiology of perforator veins: when and how to treat them", Gibson K, AIM, New York. November 15, 2017

"From Ultrasound Report to Treatment Plan", Gibson K, ACP Annual Congress, Austin, Texas November 4, 2017

"Clinical presentation of patients with disease originating from the pelvic veins", Gibson K, ACP Annual Congress, Austin, Texas November 3, 2017

"Varicose veins of the vulva", Gibson K, ACP Annual Congress, Austin, Texas November 3, 2017

"Tumescent free ablation methods: MOCA and glue", Gibson K, ACP Annual Congress, Austin, Texas November 2, 2017

"Clinical evaluation of the CVI patient (CEAP) for the sonographer", Gibson K, ACP Annual Congress, Austin, Texas November 2, 2017

"Pelvic escape points, the relationships to lower extremity varicosities and their management", Gibson K, ACP Annual Congress, Austin, Texas November 2, 2017

"Venous ulcers: selecting cases for intervention", Gibson K, Asian Society of Vascular Surgery, Kuala Lumpur, Malaysia, October 27, 2017

"Superfiical venous reflux intervention is better managed with enodvenous techniques than with open surgery", Gibson K, Asian Society of Vascular Surgery, Kuala Lumpur, Malaysia, October 26, 2017

"Principles of Venaseal", Gibson K, Asian Society of Vascular Surgery, Kuala Lumpur, Malaysia, October 25, 2017

"How to curb inappropriate venous interventions", Gibson K, The Veins at VIVA, Los Vegas, Nevada, September 10, 2017 "Vulvar varicose veins", Gibson K, The Veins at VIVA, Los Vegas, Nevada, September 10, 2017

"Deciding which anticoagulant to use for acute DVT and for how long", Gibson K, American Venous Forum West Coast meeting, Squaw Creek, CA, September 9, 2017.

"Varicose veins in pregnancy", Gibson K, American Venous Forum West Coast meeting, Squaw Creek, CA, September 9, 2017.

"Phlebectomy or Sclerotherapy for surface varicose veins, concomitant or staged", Gibson K, American Venous Forum West Coast meeting, Squaw Creek, CA, September 8, 2017.

"Advanced wound healing for venous leg ulcers", Gibson K, SVS VAM, San Diego, CA June 3, 2017

"Management of superficial reflux: which option, when?", Gibson K, Pacific Northwest Endovascular Conference, Seattle, WA, May 25, 2017

"Clinical evaluation of deep venous patients", Gibson K, Charing Cross, London, UK, April 25, 2017

"Prevalence of pelvic venous reflux and criteria for treatment", Gibson K, Charing Cross, London, UK, April 25, 2017

"VenaSeal Sapheon Closure System versus Radiofrequency Ablation for incompetent great saphenous veins (VeClose)-36 month results", Gibson K, Charing Cross, London, UK, April 25, 2017 and Asian Vascular Surgery Society, Kuala Lumpur, Malaysia, October 26, 2017

"Developing a treatment algorithm in an evidence vacuum. Which vulvar veins should be treated with ovarian and pelvic vein embolization?", Gibson K, Venous

Symposium, New York, NY, April 7, 2017

"Tricks for overcoming challenges during saphenous ablation", Gibson K, Venous Symposium, New York, NY, April 6, 2017

"A novel treatment strategy for CTI with evidence and technical tips", Gibson K, Korean Society of Phlebology Invited Lecture, Busan, South Korea, March 19, 2017

"A new era? Nontumescent techologies in the treatment of superficial venous disease", Gibson K, CADECI, Guadalajara, Mexico, February 25, 2017.

"Cyanoacrylate closure of the great saphenous vein-evidence summary", Gibson K, CADECI, Guadalajara, Mexico, February 25, 2017.

"Hormones and Venous Disorders", Gibson K, Strandness Symposium, Maui, Hawaii, February 7, 2017

"Evaluating Reflux in Superficial, Deep and Perforating Veins", Gibson K, Strandness Symposium, Maui, Hawaii, February 7, 2017.

"Pelvic Congestion Syndrome: Diagnosis and Treatment Challenges", Gibson K, LINC, Leipzig, Germany, January 25, 2017

"Duration of Treatment in the management of Acute DVT", Gibson K, VERVE Symposium, Sydney, Australia, December 2, 2016

"Cyanoacrylate Closure of Incompetent Great, Small and Accessory Saphenous Veins without the use of Post-Procedure Compression: Initial Outcomes of a Post-Market Evaluation of the VenaSeal System (WAVES trial)-Three Month Data", Gibson K, ACP Annual Congress, Anaheim, CA, November 5, 2016, VERVE Symposium, Sydney, Australia, December 2, 2016 and LINC, Leipzig, Germany January 25, 2017

"Vulvar Varicose Veins: Controversies in Management and Treatment", Gibson K, VERVE Symposium, Sydney, Australia, December 1, 2016 "Creating WAVES: First US Post Market Results using Venaseal Closure System without Compression", Gibson K, VEITH Symposium, New York, NY November 17, 2016

"Challenges of Implementing Proprietary Foam into Practice: It's a different kind of Practice Model", Gibson K, VEITH Symposium, New York, NY November 17, 2016 "Nontumescent technologies: The results are good, why aren't they being reimbursed?", Gibson K, AIM Symposium, New York, NY, November 16, 2016

"Perforator Veins: Pathophysiology and Management", Gibson K, AIM Symposium, New York, NY, November 16, 2016

"How to Evaluate the Patient with Recurrent Varicose Veins/Venous Ulcers (Reflux sourcing)", Gibson K, ACP Annual Congress, Anaheim, CA, November 4, 2016

"Avoiding Complications in Anticoagulation", Gibson K, ACP Annual Congress, Anaheim, CA, November 4, 2016

"New Anticoagulants for the treatment of VTE-acute and extended therapy", Gibson K, ACP Annual Congress, Anaheim, CA, November 4, 2016

"Can I Recognize Pelvic Etiology from the Clinical Examination?", Gibson K, ACP Annual Congress, Anaheim, CA, November 3, 2016

"Chemical Ablation Techniques", Gibson K, ACP Annual Congress, Anaheim, CA, November 3, 2016

"Liquid Sclerotherapy Basics", Gibson K, VEINS at VIVA, Las Vegas, NV, September 18, 2016

"Management of Complex Reflux Patterns", Gibson K, VEINS at VIVA, Las Vegas, NV, September 18, 2016

"Management of Pelvic Congestion Syndrome", Gibson K, VEINS at VIVA, Las Vegas, NV, September 17, 2016

"Hormonal Influences on Venous Disorders", Gibson K, West Coast Vein Forum, Monterey, CA, September 9, 2016

"Ultrasound guided foam for Truncal Veins, Tributaries, and Perforators", Gibson K, West Coast Vein Forum, Monterey, CA, September 8, 2016

"Cyanoacrylate Closure of Incompetent Great, Small and Accessory Saphenous Veins without the use of Post-Procedure Compression: Initial Outcomes of a Post-Market Evaluation of the VenaSeal System (WAVES trial)-Preliminary One Month Data", Gibson K, European Venous Forum, London, UK, July 8, 2016

"Nontumescent nonthermal technologies in the treatment of superficial venous

insufficiency", Gibson K, Venous Updates from the World, Universita di Ferrara, Italy, June 30, 2016

"Direct anticoagulants in the treatment of DVT/PE-is coumadin a thing of the past?" Gibson K, Congreso Del Bicentenario "Flebolinfo 2016", Buenos Aires, Argentina, May 27, 2016 and February 24, 2017, CADECI, Guadalajara, Mexico

"A new era? Nontumescent technologies in the treatment of superficial venous insufficiency", Gibson K, Congreso Del Bicentenario "Flebolinfo 2016", Buenos Aires, Argentina, May 26, 2016

"Iliac stenting for thrombotic and nonthrombotic iliac stenoses", Gibson K, Congreso Del Bicentenario "Flebolinfo 2016", Buenos Aires, Argentina, May 26, 2016, and February 25, 2017, CADECI, Guadalajara, Mexico

"SECURE trial: Update on perforator ablation", Gibson K, IVC, Miami, FL, April 28, 2016

"VeClose randomized clinical trial, 24 month follow-up results Veanseal v. RFA (ClosureFast)", Gibson K, IVC, Miami, FL, April 28, 2016 and Congreso Del Bicentenario "Flebolinfo 2016", Buenos Aires, Argentina, May 27, 2016

"Selection of patients for pelvic venous interventions: which patients to treat and which can be managed conservatively?" Gibson K, Charing Cross, London, UK, April 26, 2016

"VeClose Randomized Controlled Quality of Life (QOL) Assessment", Gibson K, Charing Cross, London, UK, April 26, 2016 "Cyanoacrylate adhesive for the saphenous vein", Gibson K, Venous Symposium, New York, NY, April 16, 2016

"Treatment of the small saphenous vein and its thigh extension", Gibson K, Venous Symposium, New York, NY, April 16, 2016

"Early recurrence of leg varicosites and association with pelvic venous insufficiency", Gibson K, Sedona Days, Carefree, Az, April 2, 2016

"Proprietary Microfoam", Gibson K, American Venous Forum Sumner Symposium, Orlando, Fl, February 24, 2016

"Perforator vein ablation: indications and treatment", Asian Society of Vascular Surgery, Bangkok, Thailand, December 3, 2015

"Treatment algorithms for patients with venous disease: tailoring therapy to

anatomy, pathology, and patient goals", Gibson K, Asian Society of Vascular Surgery, Bangkok, Thailand, December 1, 2015

"Patient outcome measures: differences between endovascular and open surgical treatment of superficial venous disease", Gibson K, Asian Society of Vascular Surgery, Bangkok, Thailand, December 1, 2015

"Veclose trial 12 month results", Gibson K, VEITH symposium, New York, NY, November 19, 2015

"Step by step proprietary foam", Gibson K, VEITH symposium, New York, NY, November 19, 2015

"Varicose veins with pelvic source and no pelvic symptoms-only need to treat the leg", Gibson K, Venovisionaries at VEITH symposium, New York NY, November 18, 2015

"Saphenous reflux in patients with previous DVT", Gibson K, AIM Symposium, New York, NY, November 16, 2015.

"Pros and cons of polidocanol endovenous microfoam", Gibson K, AIM Symposium, New York, NY, November 16, 2015

"Wound care and compression therapy prior to treatment", Gibson K, AIM Symposium, New York, NY, November 16, 2015

"Study design: types and differences", Gibson K, American College of Phlebology Annual Meeting, Orlando, FL, November 14, 2015

"Conducting research in your office", Gibson K, American College of Phlebology Annual Meeting, Orlando, FL, November 14, 2015

"Foam: Proprietary and physician compounded", Gibson K, American College of Phlebology Annual Meeting, Orlando, FL, November 13, 2015

"Beyond ablation and sclerotherapy: expanding your vein practice into new areas", Gibson K, American College of Phlebology Annual Meeting, Orlando, FL, November 12, 2015

"A changing landscape: top challenges for a phlebology practice", Gibson K, American College of Phlebology Annual Meeting, Orlando, FL, November 12, 2015 "Endovenous microfoam ablation with Varithena: history, procedure, case studies", "Varithena Polidocanol Injectible Foam", Gibson K, Canadian College of Phlebology Meeting, Montreal, Canada, October 2, 2015

"Vulvar veins: cause of recurrence or missed source of varicose veins? Controversies in diagnosis and treatment", Gibson K, SRRG meeting, Oberhofen, Switzerland, June 27, 2015

"Pelvic source veins of the perineum and vulva", Gibson K, American Venous Forum West Coast Meeting, Napa, CA, May 2, 2015

"Hormonal influences on venous disorders", Gibson K, American Venous Forum West Coast Meeting, Napa, CA, May 2, 2015

"Workup for DVT as a 1st event v. a recurrent event", Gibson K, American Venous Forum West Coast Meeting, Napa, CA, May 1, 2015

"Sclerotherapy follow-up", Gibson K, Venous Symposium, New York, NY, April 17, 2015

"Sclerotherapy selection: which ones and when", Gibson K, Venous Symposium, New York, NY, April 17, 2015

"Venaseal ClosureSystem: clinical evidence" Gibson K, Medtronic sponsored dinner symposium at the Venous Symposium, New York, NY April 16, 2015

"Experience with endovenous microfoam", Gibson K, Venous Symposium, New York, NY, April 16, 2015

"Evidence based management of calf vein thrombosis" ", Gibson K, Venous Symposium, New York, NY, April 16, 2015

"Varithena-One Year After Launch", Gibson K, Sedona Days, Sedona, Arizona, March 27, 2015

"What we know about recurrent varicose vein prevention: Is it disease progression?" Gibson K, American Venous Forum Annual Meeting, Palm Desert, Ca, February 26, 2015

"The Role of Ultrasound Imaging in Venous Disease", Gibson K, Strandness Symposium, Honolulu, Hawaii, February 16, 2015

"How I Decide Which Drug to use for Long Term Anticoagulation of DVT", Gibson K, AIM Symposium, New York, New York, November 17, 2014

"Varithena: Indications, Technique, Patient Scheduling and Reimbursement Strategies", Gibson K, AIM Symposium, New York, New York, November 17, 2014

"Treatment Effect of Polidocanol Injectable Foam 1% in Patients with Saphenofemoral Junction Incompetence: VANISH-2 One-Year Results", Gibson K, American College of Phlebology Annual Congress, Phoenix, Arizona, November 7, 2014

"Using Good Science to Influence Chronic Venous Insufficiency Policy", Gibson K, American College of Phlebology Annual Congress, Phoenix, Arizona, November 8, 2014

"Safety of Endothermal Ablation in the Patient on Anticoagulation", Gibson K, American College of Phlebology Annual Congress, Phoenix, Arizona, November 7, 2014

"Pelvic Source Varicose Veins of the Vulva, Perineum and Thigh", Gibson K, American College of Phlebology Annual Congress, Phoenix, Arizona, November 7, 2014

"Endothermal Ablation: When is Concomitant Therapy Appropriate?", Gibson K, American College of Phlebology Annual Congress, Phoenix, Arizona, November 7, 2014

"Research in Private Practice", Gibson K, American College of Phlebology Annual Congress, Phoenix, Arizona, November 7, 2014

"10 Things to Consider Before Opening Your Vein Practice", Gibson K, American College of Phlebology Annual Congress, Phoenix, Arizona, November 6, 2014

"A Randomized, Controlled Trial Comparing Cyanoacrylate Adhesive Embolization with Radiofrequency Ablation for the Treatment of Incompetent

Great Saphenous Veins: VeClose Study", Gibson K, German Society of Phlebology, Munich, Germany, September 20, 2014

"Emerging Technologies in the Treatment of Superficial Venous Insufficiency", Gibson K, CICE Annual Meeting, São Paulo, Brazil, April 25, 2014

"GSV Diameter Does not Correlate with Quality of Life Scores in Patients with GSV Incompetence", Gibson K, CICE Annual Meeting, São Paulo, Brazil, April 23, 2014

"Embolization of the Great Saphenous Veins with Cyanoacrylate Adhesive", Gibson K, Charing Cross Symposium, London, UK, April 7, 2014

"The Rationale for Treatment of the Small Saphenous and Perforator Veins" Gibson, K, CADECI Annual Meeting, Guadalajara, Mexico, February 22, 2014

"Laser Ablation: a Perspective After Ten Years Experience", Gibson K, CADECI Annual Meeting, Guadalajara, Mexico, February 22, 2014

"How Varithena Improves Safety and Efficacy in Varicose Vein Management", Gibson K, BTG sponsored Symposium at the American Venous Forum, New Orleans, LA, February 20, 2014

"Clinical Presentation of Women with Pelvic-Source Varicose Veins in the Perineum: First Steps in the Development of a Disease-Specific Patient Assessment Tool", Gibson K, Neradilek M, Minjarez R, Ferris B, Wise M, Meissner M, American Venous Forum Annual Meeting, New Orleans, LA, February 19, 2014 and European Venous Forum, Paris, France, June 2014

"Pelvic Venous Disorders", Gibson K, Oklahoma University Health Sciences Center Invited Lecture, January 10, 2014

"The Nuts and Bolts of Setting up a Venous Center", Gibson K, Gaspar Symposium, University of Southern California, Los Angeles, CA, September 25, 2013

"The Role of Residual Venous Thrombus in Determining Duration of Anticoagulation", Gibson K, UIP World Meeting, Boston, MA, September 12, 2013

"*In Vitro and In Vivo* Performance of Physician-Compounded Foam v. Polidocanol Endovenous Microfoam", Gibson K, Caurgo D, UIP World Meeting, Boston, MA, September 11, 2013

"Oral Direct Thrombin Inhibitors", Gibson K, UIP World Meeting, Boston, MA, September 10, 2013

"Sclerotherapy Drugs, Including Proprietary Foam", Gibson K, American College of Phlebology Advanced Sclerotherapy Course, Dallas, TX, May 18, 2013

"PEM Sclerotherapy Safety and Efficacy: Clinical Trial Update", Gibson K, Society for Interventional Radiology Annual Scientific Meeting, New Orleans, LA, April 18, 2013

"Setting up a Venous Center", Gibson K, Society for Interventional Radiology Annual Scientific Meeting, New Orleans, LA, April 18, 2013 "Calf Vein DVT: Treatment v. Surveillance", Gibson K, Strandness Symposium 2013, Maui, Hawaii, January 22, 2013

"What is New in the Treatment Guidelines for DVT-ACCP and AHA", Gibson K, Strandness Symposium 2013, Maui, Hawaii, January 22, 2013

"Duplex Scanning for Venous Ablation Procedures", Gibson K, Strandness Symposium 2013, Maui, Hawaii, January 22, 2013

"Setting up a Venous Center", Gibson K, Western Vascular Society Annual Meeting, Park City, Utah, September 24, 2012

"Clinical Aspects of Foam Sclerotherapy in the Treatment of Superficial Reflux", Gibson K, American College of Phlebology Annual Congress, Hollywood, Florida, November 16, 2012

"Great Saphenous Vein (GSV) Diameter Correlation with Quality of Life Scores, CEAP classification, and Venous Clinical Severity Scores (VCSS) in Patients with GSV Incompetence", Gibson K, Meissner M, Wright D, Wise M, American College of Phlebology Annual Congress, Hollywood, Florida, November 16, 2012

"Multicenter Evaluation of a Novel Patient Outcome Tool for Assessing Efficacy of Polidocanol Endovenous Microfoam (PEM) for Treatement of Symptomatic Visible Varicose Veins with Saphenofemoral Junction (SFJ) Incompetence: The ProtoSymQ Instrument", Gibson K, Rush J, Evans E, Orfe E, King T, Wright D, European Venous Forum Annual Meeting, Florence, Italy, June 30, 2012

"Emerging Technologies in the Treatment of Superficial Venous Insufficiency", Gibson K, Pacific Northwest Endovascular Conference, Seattle, WA, May 24, 2012

"Arterial Mapping: Is it Useful Prior to Endovascular Treatment?", Gibson K, Vascular Lab 2012: Advanced Topics for Vascular Specialists and Other Health Care Professionals, UC Davis Health System, Sacramento, California, April 21, 2012

"Uncommon Venous Diseases in the Vascular Laboratory", Gibson K, Vascular Lab 2012: Advanced Topics for Vascular Specialists and Other Health Care Professionals, UC Davis Health System, Sacramento, California, April 21, 2012

"Correlation of CEAP Clinical Class, Venous Clinical Severity Scores (VCSS), Vein Diameter, and Reflux Time in the Great Saphenous Vein (GSV) in Patients with Superficial Venous Insufficiency" Wise M, Gibson K, Western Vascular Annual Meeting, Kauai, Hawaii, September 20, 2011

"The Economics and Efficacy of Foam Sclerotherapy- Will it Replace Endovenous Ablation?" Gibson K, Pacific Northwest Endovascular Conference, Tacoma, Washington April 15, 2011

"Optimizing Your Vein Practice" Gibson K, , Pacific Northwest Endovascular Conference, Tacoma, Washington April 15, 2011

"Patient Characteristics, Referral Patterns and Associated Factors in Patients Referred to an Outpatient Vascular Laboratory to Rule Out Deep Venous Thrombosis" Gibson K, Polisar N, Nerdalik M, American Venous Forum Annual Meeting, San Diego, California, February 26, 2011 and American College of Phlebology Annual Congress, Hollywood, Florida November 16, 2011

"GSV Diameter Does not Correlate with Quality of Life Scores in Patients with GSV Incompetence", Gibson K, Meissner M, Wright D, American Venous Forum Annual Meeting, San Diego, California, February 24, 2011 "Preoperative Vein Mapping", Gibson K, Ebert A, Strandness Symposium, Wailea, Hawaii January 20, 2011

"Duplex Scanning for Ablation Procedures", Gibson K, Ebert A, Strandness Symposium, Wailea, Hawaii January 18, 2011

"Expanding Your Venous Practice: Management of Acute DVT", Gibson K, Society for Vascular Surgery Postgraduate Course, Boston, Massachusetts June 9, 2010

"Foam Sclerotherapy: Current Usage and Update on the Status of Clinical Trials" Gibson K, Pacific Northwest Endovascular Conference, Tacoma, Washington March 25, 2010

"The Business of DVT" Gibson, K; American College of Phlebology Annual Clinical Congress, Palm Desert California, November 2009.

"Validating VEINES QOL/SYM" Gibson K, Morrison N, Munavall G, Regan J; College of Phlebology Annual Clinical Congress, Palm Desert California, November 2009, and European Venous Forum, Antwerp, Belgium, June 2010

"Foam Sclerotherapy" Annual Meeting of the American Venous Forum, Phoenix,

Arizona, February 2009.

"Proprietary Polidocanol Endovenous Microfoam (PEM) Bubble Embolization Does Not Cause Cerebral Injury" American College of Phlebology Annual Clinical Congress, Marco Island Florida November 2008.

"Endovenous Vein Treatment: Unanswered Questions," Gibson K; Pacific Northwest Endovascular Conference, Tacoma Washington, March 2008.

"Endovenous Laser Treatment of the Small Saphenous Vein: Efficacy and Complications," Gibson K, Ferris B, Polissar N, Neradilek B, Pepper D; Western Vascular Society Annual Meeting, La Jolla, CA, September 2006.

"Laser Ablation of the Lesser Saphenous Vein: Complications and Short Term Results," Gibson K, American College of Phlebology Annual Meeting, November 12, 2005.

"Women In Surgery: A Historical Perspective," Gibson K, Presented to WWAMI students, Bozeman, MT, as part of medical history lecture series, April 2005.

"Incidence of Deep Venous Thrombosis After Laser Ablation of the Greater Saphenous Vein," Gibson K, Pacific Northwest Vascular Society Annual Meeting, November 2004.

"Laser Ablation of the Greater Saphenous Vein," Gibson K, Pacific Northwest Vascular Society Annual Meeting, November 2004.

"Vascular Access Survival and Incidence of Revisions: United States Renal Data System Dialysis Morbidity and Mortality Study (USRDS DMMS)," Gibson K, Kohler T, Caps M, Gillen D, Sherrard D, Stehman-Breen C; Western Vascular Society Annual Meeting, Couer d'Alene, ID, September 2000.

"Predictors of Limb Loss and Compartment Syndrome Following Lower Extremity Traumatic Arterial Injury," Gibson K, Meissner M, Karmy-Jones R; Western Vascular Society Annual Meeting, Couer d'Alene, ID, September 2000.

"Identification of Factors Predictive of Lower Extremity Vein Graft Thrombosis," Gibson K, Caps M, Bergelin R, Primozich J, Strandness DE, Jr., Society for Vascular Surgery Annual Meeting, Toronto, Canada, June 14, 2000.

"Assessment of a Policy to Reduce the Placement of Prosthetic Hemodialysis Access in a Veterans Health Care System," Gibson K, Caps M, Gillen D, Aldassy M, Kohler T, Hatsukami T, Sherrard D, Stehman-Breen C. Seattle Surgical Annual Meeting, January 2000; Association of VA Surgeons Annual Meeting, Seattle, WA, April 2000.

"Synthetic Femoral-Popliteal Bypass Grafts in 'Excellent Risk' Claudicants," Gibson K, Johansen K, Watson J, Western Vascular Society Meeting, Lake Tahoe, CA, September 1999, Pacific Northwest Vascular Society Meeting, Vancouver, Canada, November 1999.

"The Surgical Management of Cardiac Arrest Due to Massive Pulmonary Embolus in Orthopedic Trauma Patients," Gibson K, Karmy-Jones R, Washington State Chapter of the American College of Surgeons, June 1998.

"Treatment of Iatrogenic Pseudoaneurysm with Percutaneous Ultrasound Guided Thrombin Injection," Gibson K, Caps M, Seattle Surgical Society Annual Meeting, January 1999.

"Aorto-iliac Occlusion Caused by Paradoxical Embolism," Gibson K, Seattle Surgical Meeting, January 1995

"Trauma and the Rural Surgeon," Gibson K, Rinker C, Annual Meeting of the Montana/Wyoming chapter of the American College of Surgeons. 1992

CLINICAL TRIALS

Arterial Trials:

Principal Investigator, Bellevue Site, CREST II H trial, sponsored by National Institutes of Health/Mayo Clinic, March 2019-present

Sub- Investigator, Bellevue Site, Tack Optimized Balloon Angioplasty Study for the Treatment of Below the Knee Arteries Using the Tack Endovascular Systemt (TOBA II BTK), sponsored by Intact Vascular, August 2018-present.

Principal Investigator, Bellevue Site, Rivaroxaban for the Prevention of Major Cardiovascular Events in Coronary or Peripheral Artery Disease Long Term

Open Label Extension (COMPASS-LTOLE), sponsored by Bayer, February 2018-present

Principal Investigator, Bellevue Site, CREST II, sponsored by National Institutes

of Health/Mayo Clinic, November 2015-present

Principal Investigator, Bellevue Site, Rivaroxaban for the Prevention of Major Cardiovascular Events in Coronary or Peripheral Artery Disease (COMPASS), sponsored by Bayer, September 2014-2018

Investigator, Bellevue Site, Mechanisms of Arterial Graft Healing, sponsored by the National Institutes of Health/University of Washington, August 2012-2018

Dialysis Access Trials:

Sub-Investigator, Bellevue Site, A Study of Vonapanitase (PRT-201) Administered Immediately After Radiocephalic Arteriovenous Fistula (AVF) Creation in Patients with Chronic Kidney Disease (CKD) PATENCY-2, sponsored by Proteon, January 2016- March 2019

Sub-Investigator, Bellevue Site, A Study of PRT-201 Administered Immediately After Radiocephalic Arteriovenous Fistula (AVF) Creation in Patients with Chronic Kidney Disease (CKD), sponsored by Proteon, August 2014-2019t jals:

Hemostasis Trials:

Sub-Investigator, Bellevue Site, Effectiveness and Safety of CELSTAT for Hemostasis in Intraoperative Tissue Bleeding, sponsored by Baxter Healthcare Corporation, February 2016-2017

Principal Investigator, Bellevue Site, Phase III TC-2402-039-SP trial. randomized, open label, parallel-Group, multi-center Trial to compare efficacy and safety of TachoSil® versus Surgicel® original for the secondary hemostatic treatment of needle hole bleeding in vascular surgery, sponsored by Takeda Nycomed, February 2012-2016

Principal Investigator, Bellevue Site, Phase III, Randomized, Single-Blind, Controlled Trial of Topical Fibocaps in Intraoperative Surgical Hemostasis, Sponsored by ProFibrix, Inc. June 2012-July 2013

Principal Investigator, Bellevue and Kirkland Site, Phase III Clinical Evaluation of Efficacy and Safety of FS VH S/D for Hemostasis in Subjects Undergoing

Vascular Surgery, sponsored by Baxter Healthcare Corporation, July 2010-December 2010

Thromboembolism Trials:

Principal Investigator, Bellevue Site, EINSTEIN CHOICE: sponsored by Bayer, October 2015-2017

Principal Investigator, Bellevue Site, Warfarin Adverse Event Reduction for Adults Receiving Genetic Testing at Therapy Initiation, sponsored by Iverson Genetics Diagnostics, Inc, November 2011-September 2015

Principal Investigator, Bellevue Site, Phase III AMPLIFY trial (Efficacy and Safety Study of Apixaban for the Treatment of Deep Vein Thrombosis or Pulmonary Embolism), sponsored by Bristol Myers Squibb/Pfizer, November 2010-2012

Principal Investigator, Bellevue Site, Phase III AMPLIFY-EXT trial (Efficacy and Safety Study of Apixaban for Extended Treatment of Deep Vein Thrombosis or Pulmonary Embolism), sponsored by Bristol Myers Squibb/Pfizer, November 2010-December 2012

Principal Investigator, Bellevue Site, Phase III RECOVER trial (Dabigatran etexilate versus coumadin for acute symptomatic venous thromboembolism), sponsored by Boehringer Ingelheim, March 2009-September 2010

Principal Investigator, Bellevue Site, Phase III RESONATE trial (Dabigatran etexilate versus placebo in the long term prevention of recurrent symptomatic venous thromboembolism), sponsored by Boehringer Ingelheim, March 2009-December 2010

Superficial Venous Trials:

Principal Investigator, New WAVES trial: Clinical and Patient-Centered Outcomes Three Years after Venaseal Treatment: Lake Washington Vascular Venaseal Post-Market Evaluation, Investigator driven with grant from Medtronic, October 2019-present

Principal Investigator, VenaSeal VALUE: VenaSeal v. Ablation with Endothermal Laser or Radiofrequency for Saphenous Vein Incompetence: a Comparison of Utilization of Phlebectomy, Investigator driven with grant from Medtronic, June 2019-present

Principal Investigator, VeClose 5 year extension: Randomized Control Trial Comparing VenaSeal Closure System With Radiofrequency Ablation, Sponsored by Medtronic, March 2018-January 2019 Principal Investigator, VICARES: A Study Evaluating ClariVein with a Sclerosing Agent for the Treatment of Venous Insufficiency: Sponsored by Vacular Insights, November 2017-Decmeber 2018

Principal Investigator, WAVES: Lake Washington Vascular VenaSeal Post-Market Evaluation, Investigator driven with grant from Medtronic, October 2015-January 2017

Principal Investigator, Bellevue and Kirkland site, COMFORT: A Multicenter, Open-label, Randomized Cross-over Study to Evaluate Pain Following Treatment of Varicose Vein With Varithena Compared to Radiofrequency Ablation, sponsored by BTG, June 2015-2016.

Principal Investigator, Bellevue Site, SECURE trial: Prospective Safety and Effectiveness Study: VenaCURE Endovenous Laser Treatment Fiber Procedure Kit for Treatment of Incompetent Perforator Veins, sponsored by Angiodynamics, October 2014-February 2019 Principal Investigator, Bellevue site, VeClose: Randomized Control Trial Comparing VenaSeal Sapheon Closure System With Radiofrequency Ablation, Sponsored by Sapheon, March 2013-2016

Principal Investigator, A Comparison of Specialized versus Standard Compression After Saphenous Ablation (COSSCA Trial), Sponsored by Sigvaris, May 2012-November 2012

Principal Investigator, Bellevue and Kirkland Site, Phase III Endovenous Ablation With and Without Polidocanol Endovenous Microfoam Treatment for Patients With Great Saphenous Vein Incompetence and Visible Varicosities (017), sponsored by BTG, April 2011-June 2012

Principal Investigator, Bellevue Site, Phase III Polidocanol Endovenous Microfoam (PEM) Versus Vehicle for the Treatment of Saphenofemoral Junction (SFJ) Incompetence (VANISH-2), sponsored by BTG, November 2010-November 2011

Principal Investigator, Bellevue Site, Phase III Polidocanol Endovenous Microfoam (PEM) Versus Vehicle for the Treatment of Saphenofemoral Junction (SFJ) Incompetence (VANISH-2) Extension Trial, sponsored by BTG, November 2011-2014

Principal Investigator, Bellevue Site, Phase III An Open-label, Single-dose Pilot Study to Evaluate Varisolve® (Polidocanol Endovenous Microfoam (PEM)) 0.125% [0.2%] for Varicose Veins , sponsored by BTG, July 2009-September 2010 Principal Investigator, Bellevue Site, Phase III Randomized, Single Blind, Placebo Controlled, to Evaluate Efficacy and Safety of Polidocanol Endovenous Microfoam for Treatment of Symptomatic, Visible Varicose Veins With SFJ Incompetence (Pilot), sponsored by BTG, October 2008-September 2009

Principal Investigator, Bellevue Site, Savvy Trial (<u>S</u>tudy of <u>A</u>ppearance and Symptom Improvement following Treatment of <u>V</u>aricose <u>V</u>eins), sponsored by BTG, July 2008-April 2009

Principal Investigator, Bellevue Site, Phase II Safety Study of Varisolve® Procedure for Treatment of Varicose Veins in Patients With Right-to-left Cardiac Shunt (MRI), sponsored by BTG, January 2007-July 2009 Sub-Investigator, RELIEVE Trial, sponsored by Vascular Solutions, June 2007-2008 (laser closure of perforator veins)

Venous Stent Trials:

Principal Investigator, ABRE trial, sponsored by Medtronic, January 2018-present (venous stents for iliac venous disease)

Sub-Investigator, VERNACULAR Trial, sponsored by Bard, October 2016present (venous stents for iliac venous disease)

Venous Ulcer Trials:

Sub-Investigator, VIEW-VLU Trial, sponsored by BTG, January 2018-present. Effect of Varithena on wound healing in venous leg ulcers

Principal Investigator, Bellevue Site, HP 802-247-09-015 Phase II venous ulcer trial to determine the effectiveness of two dosing frequencies and two different concentrations of HP802-247, together with standard care, compared to placebo, plus standard care, sponsored by Healthpoint, February 2010-February 2011

Principal Investigator, Bellevue Site, HP 802-247-09-016 Phase II trial examines the durability of previous target wound closures, identify new test article-related adverse events, record new target wound closures, and examine ongoing adverse events not resolved in subjects who participated in HP 802-247-09-015, sponsored by Healthpoint, February 2010-June 2011

HONORS AND ORGANIZATIONS

- * Society of Vascular Surgery
- * American Venous Forum
- * American Vein and Lymphatic Society (formerly ACP)
- * Outpatient Endovascular and Interventional Society
- * European Venous Forum
- * Western Vascular Society
- * Pacific Northwest Vascular Society
- * Fellow, American College of Surgeons
- * Alpha Omega Alpha
- * Washington State Medical Association

Clinical Practice:

*3rd Place Academic Paper, American Vein and Lymphatic Society Annual Congress, November 2019 *Best Academic Paper, American College of Phlebology 32nd

Annual Congress, November 2018

*Named a Seattle Metropolitan Magazine "Top Doctor" 2010, 2013, 2014, 2015, 2016, 2017, 2018, 2019

* Named a Seattle Magazine "Top Doctor" 2007, 2008, 2009, 2013, 2015, 2017, 2018, 2019

* Bronze Award, Abstract American College of Phlebology November 2008, November 2012

* Distinguished Fellow, American Venous Forum, Received February 2016

* Elected "Honorary Member", Congreso del Bicentenario Flebolinfo 2016, by the organizing three joint phlebologic societies, Buenos Aires, Argentina

Residency/Fellowship:

* Best Clinical Paper, Seattle Surgical Annual Meeting, January 2000

* Housestaff Award, Harborview Medical Center, 1998-1999

* Alpha Omega Alpha

Medical School:

- * Alpha Omega Alpha, one of five in class elected in junior year
- * James W. Haviland Award

* Graduated with Highest Honors, Graduated first in Medical School Class

High School: * Valedictorian, National Merit Scholar