

Curriculum Vitae

I. Name & Address

Alex Westerband, MD, MBA, RPVI, RPhS, FACS, FSVS
Vascular and Endovascular Surgery
Professor of Clinical Specialty, John Shufeldt School of Medicine and Medical Engineering
Arizona State University

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Personal Data

Citizenship: USA

II. Chronology of Education

A. Colleges and Universities

- ◇ Institution Saint Louis de Gonzague, Port-au-Prince, Haiti (07/1972-06/1976)
Baccalaureate in Sciences. Graduation Date: 07/1976. Majors: Physics, Chemistry,
Mathematics.

- ◇ Faculty of Medicine, State University of Haiti (08/1976-07/1982). Degree: M.D. (08/1982).
- ◇ University Louis Pasteur of Strasbourg, France (02/1984-06/1988). Fields: Surgery (Centre Hospitalier General de Wissembourg), Biology & Sports Medicine, Proctology
- ◇ Albert Einstein College of Medicine at Long Island Jewish Medical Center Training Program, New Hyde Park, New York (07/1988-06/1991). Field: General Surgery Residency.
- ◇ Case Western Reserve University Integrated Surgical Residency Program, Cleveland Ohio (07/1991-06/1994). Field: General Surgery Residency.
- ◇ University of Arizona College of Medicine, Tucson, Arizona, Department of Surgery, Vascular Surgery Fellowship (07/1995-06/1997).
- ◇ Arizona Heart Hospital, Phoenix, Arizona. Mini Fellowship in Endovascular Surgery (Oct. – Nov. 2001)
- ◇ George Washington University School of Business, Washington D.C. Healthcare MBA Program (Distant Education, 02/2013-12/2015). Graduation Date: 04/2016 (HCMBA).

B. Major Fields

Vascular Surgery & Endovascular Therapy
 General Surgery

C. Licensures and Certifications

- 1) Medical Licensures: Arizona - #23180 - Active
 - Ohio - # 35.067.123 – Active
 - Idaho - # M-16201 - Active
 - South Carolina - # MMD.88566 – Active
 - Missouri - #2025001917 - Active
 - Kentucky - # 34727 – Inactive
 - New Jersey - # 60503 – Inactive

2) Certifications

a) France:

University Certificate of Surgery, France (06/1987)
 Certificate of Special Studies in Biology and Sports Medicine, France (06/1987)
 University Certificate of Proctology, Strasbourg, France (06/1988)

b) U.S.A.

ECFMG Certificate no: 352-880-9. Date of Issue: 11/05/1997 – Valid Indefinitely.

FLEX Step 1, 2, and 3 taken and completed in August 1990.

Diplomate, American Board of Surgery / Vascular Surgery (07/1999, Date of Expiration: 09/2027).

Diplomate, American Board of Surgery / General Surgery (12/1995, Recertification in 12/2014). Expiration Date: 12/2026.

Diplomate of the American Registry of Diagnostic Medical Sonographers (12/1996)

Master in Business Administration (Healthcare MBA, 04/2013)

RPVI Certification (Registered Physician for Vascular Interpretation) # 47982 (06/2015).

RPhS Certification # 00125770 (12/2021)

III. Chronology of Employment

Faculty Appointments

- ◇ Professor of Clinical Surgery, John Shufeldt School of Medicine and Advanced Medical Engineering at Arizona State University, Phoenix, AZ, March 2025 -
- ◇ Clinical Associate Professor of Surgery, University of Arizona College of Medicine, Tucson, AZ, October 2004 –
- ◇ Associate Professor of Clinical Surgery, University of Arizona College of Medicine, Tucson, AZ, 07/2002- 09/2004
- ◇ Assistant Professor of Clinical Surgery, University of Arizona College of Medicine, Tucson, Arizona, 08/1997-06/2002.
- ◇ Clinical Instructor, Department of Surgery, Adjunct Staff, Case Western Reserve University School of Medicine, Cleveland, Ohio (02/95- 07/97).

Current Hospital Affiliations

- ◇ HonorHealth Scottsdale Osborn Medical Center, Scottsdale AZ 02/2020 -
- ◇ HonorHealth Scottsdale Shea Medical Center, Scottsdale, AZ 02/2020 -
- ◇ HonorHealth Scottsdale Thompson Peak Medical Center, Scottsdale AZ 02/2020 -
- ◇ HonorHealth Deer Valley Medical Center, Phoenix, AZ 01/2022
- ◇ HonorHealth JC Lincoln Medical Center, Phoenix AZ 01/2022
- ◇ HonorHealth Sonoran Crossing Medical Center, Phoenix AZ 01/2022

Memberships

- ◇ Society for Vascular Surgery
- ◇ Western Vascular Society
- ◇ Fellow, American College of Surgeons
- ◇ Vascular and Endovascular Surgery Society (formerly PVSS)
- ◇ Alpha Omega Alpha
- ◇ Society of Vascular Ultrasound

IV. Honors and Awards

- ◇ Special Golden Award, Southern Arizona VA Health Care System, 09/2003
- ◇ Special Golden Award, Department of Veterans Affairs, Tucson, Arizona, 09/99
- ◇ Special Group Award, Committee on Wound Care, Department of Veterans Affairs, Tucson, Arizona, 09/99
- ◇ Alpha Omega Alpha National Honor Medical Society: Honorary Faculty Member, University of Arizona, 12/1998
- ◇ Award for best first-time presentation at the 20th Annual Meeting of the Society of Vascular Technology, San Francisco, CA July 23-27, 1997
- ◇ Honorable Mention at the 9th Annual Resident research Symposium, Department of Surgery, University of Arizona Health Sciences Center, June 1997
- ◇ Second prize winner at the 8th Annual Resident research Symposium, Department of Surgery, University of Arizona Health Sciences Center, June 19, 1996
- ◇ First prize winner of the Joseph C Avellone Clinical research Award, Cleveland Surgical Society, March 22, 1994
- ◇ Co-Head of the Red Cross Youth, Port-au-Prince (08/1978-08/1982)
- ◇ First Laureate of 152 medical students at Medical School Graduation (August 4, 1982)
- ◇ President of the Philosophy Class and Editor-in-Chief of the Journal. College St Louis de Gonzague, 08/1975-07/76

V. Service

- A. Intramural

1. Director, HonorHealth Vein Program, Scottsdale, AZ 2025 -
2. Medical Director, Abrazo Arizona Heart Institute Vein Center, Phoenix, AZ March 2017- June 2020.
3. Northwest Medical Center, Tucson AZ
 Section Head, Vascular Surgery, 02/2015 – 11/2016
 Member of ECDOS (Executive Committee of the Department of Surgery), 2014-11/2016
 Chairman of the Bioethics Committee, 02/2007-02/2016
 Section Head, Cardiovascular (Vascular Surgery + Cardiology + Cardiothoracic Surgery), 12/2014 to 02/2015.
3. Oro Valley Hospital, Oro Valley AZ
 Section Head, Vascular Surgery, 09/2006- 11/2016
 Member of the PIC (Performance Improvement Council), 09/2010- 11/2016
 Member of the MEC (Medical Executive Committee), 09/2015 – 11/2016
4. Southern Arizona VA Health Care System, Tucson, AZ
 Clinical Director, Vascular Surgery Section, Southern Arizona VA Health Care System, Tucson, AZ - 09/1998 to September 2004.
 Member of the Research & Development Committee (09/1999-12/2002)
 Former member of the Continuum of Care Committee
 Former member of the Wound Care Committee
5. University of Arizona, Department of Surgery, Tucson, AZ
 Member of the Peer-Review Committee, 01/2001- 12/2002

B. Extramural

- Member of the Governing Board, Northwest Allied Physicians, Tucson, AZ 01/2014-10/2016
- Vice-Chairman of the Board of Directors, Universal Learning Center, a Dallas-based non-profit organization whose purpose is to promote education in developing countries 06/2007- 12/2013.

(Former) Reviewer, Peer-Review Journals
 Annals of Vascular Surgery

Journal of Surgical Research
Surgery
Kidney International

(Former) Peer Review for Grant proposals, VA Cooperative Studies, Washington, D.C.

VI. Publications/Creative Activity

Most recent Scholarly Activities:

Westerband A. Art of Sclerotherapy: Is Success Due to Skills or Newer Devices and Agents? Presented at the Transformative Endovascular Decisions (TED) Conference in Phoenix, AZ February 21-23, 2025.

Westerband A. Aortic Occlusive Disease: Maintaining the Aortic Bifurcation for Future Interventions. Role of Endografts. Presented at the Transformative Endovascular Decisions (TED) Conference in Scottsdale, AZ February 16-19, 2024.

Westerband A. The Power of Partnerships. Why is A DVT Program Necessary? HonorHealth Educational Forum, Scottsdale AZ April 9, 2024.

Westerband A. Endovascular Treatment of Visceral Artery Aneurysms. Presented at the Transformative Endovascular Decisions (TED) Conference in Scottsdale, AZ, March 19-21, 2023.

Chapters in Scholarly Books and Monographs

Hunter GC, Westerband A. *Noninfectious Complications in Vascular Surgery* .In Vascular and Endovascular Surgery: A Comprehensive Review, 8th Edition (2013) by Wesley S. Moore, MD, Editor: 57, pp 919-955.

Hunter GC, Westerband A. *Noninfectious Complications in Vascular Surgery* .In Vascular and Endovascular Surgery: A Comprehensive Review, 7th Edition (2006) by Wesley S. Moore, MD, Editor: pp783-816.

Glenn C. Hunter, Kenneth J. Woodside, Hana Holubec, Alex Westerband, Charles W. Putnam, David A. Bull. Clinical Properties and Healing Characteristics of e-PTFE Vascular Grafts and Their Effects on Long-Term Patency. Tissue Engineering and Novel Delivery Systems (Copyright 2003 by Marcel Dekker, Inc.); Chapter 4: pp75-105.

Alex Westerband, M.D., Bruce E. Jarrell, M.D., Scott S. Berman, M.D. Revisional Surgery for Failed Dialysis Access. In Comprehensive Textbook of Vascular Access First Edition (2002) by Scott S Berman MD, Editor; Chapter 7: pp125-145.

Hunter GC, Westerband A. *Noninfectious Complications in Vascular Surgery* .In Vascular Surgery: A Comprehensive Review, 6th Edition (2001) by Wesley Moore, MD, Editor: pp751-822.

Alex Westerband, M.D. and Joseph L. Mills, M.D. Intraoperative Graft Assessment: Angioscopy / Angiography / Duplex scanning. In Management of Chronic Lower Limb Ischemia, First Edition (2000) by Joseph L. Mills, MD, Editor, Chapter 11: pp100-105.

Glenn C Hunter, M.D. and Alex Westerband, M.D. Noninfectious Complications in Vascular Surgery. In Vascular Surgery: A Comprehensive Review , Fifth Edition (1998), by Wesley Moore, MD, Editor. Chapter 39; pp725-753.

Peer Reviewed Journal Articles

Westerband A, Berman SS, Brown A, Quick RQ, Mendoza B. The Influence of Routine Duplex Scanning Surveillance Outcome After Percutaneous Iliac Angioplasty and Stenting. The Journal of Vascular Ultrasound 31(3):137-141, 2009.

Patel ST, Mills JL, Tynan-Cuisinier G, Goshima KR, Westerband A, Hughes JD. The limitations of Magnetic Resonance Angiography in the Diagnosis of Renal Artery Stenosis: Comparative Analysis With Conventional Arteriography. J Vasc Surg 2005; 41(3):462-8.

Westerband A, Rodriguez JA, Ramaiah VG, Diethrich EB. Trends in the Management of Carotid Subclavian Steal Syndrome. J Vasc Surg 2003; 38(4): 699-703. Presented at the 31st Annual Symposium of the Society for Clinical Vascular Surgery, March 5-9 2003, Miami, FLA.

Ramaiah VG, Westerband A, Thompson C, Rajagopalan R, Rodriguez JA, DiMugno L, Shafique S, Olsen D, Diethrich EB. The AneuRx Stent Graft since FDA Approval: Single-Center Experience of 230 Cases. J Endovasc Ther 2002;9:464-469.

Westerband A, Crouse D, Richter LC, Aguirre ML, Wixon CL, James DC, Mills JL, Hunter GC, Heimark RL. Vein Adaptation to Arterialization in an Experimental Model. J Vasc Surg 2001;33:561-9. Presented at the 2000 Joint Annual Meeting of the North American Chapter of the International Society for Cardiovascular Surgery and the Society for Vascular Surgery, Toronto, Ontario, Canada June 12, 2000.

Mills JL, James DC, Wixon CL, Westerband A, Hughes JD. The Natural History of intermediate and Critical Vein Graft Stenosis: Recommendations for continued surveillance or repair. J Vasc Surg 2001; 33:273-80.

Yeung KK, Mills JL, Hughes JD, Berman SS, Gentile AT, Westerband A. Improved Patency of Infrainguinal Polytetrafluoroethylene Bypass Grafts Using a Distal Taylor Vein Patch. Am J Surg 2001;182

James DC, Hughes JD, Mills JL, Westerband A. The Influence of Gender on Complications of Carotid Endarterectomy. Am J Surg 2001;182

James DC, Durrani T, Wixon CL, Hughes JD, Westerband A, Mills JL. Preimplant Vein Intimal Thickness is Not a Predictor of Bypass Graft Stenosis. J Surg Res 2001;96:1-5. Presented at the 24th Annual Symposium of the Association of Veterans Administration Surgeons Meeting, Seattle, Washington, April 9-11, 2000.

Mills JL, James DC, Wixon CL, Westerband A, Hughes JD. The Natural History of Intermediate and Critical Vein Graft Stenosis: Recommendations for continued surveillance or repair. J Vasc Surg 2001; 33:273-80. Presented at the 2000 Joint Annual Meeting of the NA-ISCVS/SVS, Toronto, Ontario, Canada, June 2000.

Westerband A, Gentile AT, Hunter GC, Gooden MA, Aguirre ML, Berman SS, Mills JL. Intimal Growth and Neovascularization in Human Stenotic Vein Grafts. J Am Coll of Surg 2000;191:264-271

Wixon CL, Mills JL, Westerband A, Hughes JD, Ihnat DM. An Economic Appraisal of Lower Extremity Bypass Graft Maintenance. Presented at the 1999 Annual Meeting of the Western Vascular Society in Lake Tahoe, NV, September 1999. J Vasc Surg 2000;32(1):1-6.

Hunter GC, Henderson AM, Westerband A, Kobayoshi H, Yan Z, Sirsjo A, Putnam CW, Hansson G. The Contribution of Inducible Nitric Oxide Synthase and Cytomegalic Virus to the Stability of Complex Carotid Plaque. Presented at the 1998 Annual Meeting of the Western Vascular Society in Vancouver BC, September 1998. J Vasc Surg 1999;30:36-50.

Ihnat D, Mills JL, Dawson DL, Hughes JD, Hagino RT, DeMaiores CA, Gentile AT, Westerband A. Do Early Flow Disturbances Predict the Development of Early Infrainguinal Vein Graft Stenoses? A Ten-Year Follow-up Study. Presented at the 1998 Annual Meeting of the Western Vascular Society in Vancouver BC, September 1998. J Vasc Surg 1999;30:8-15.

Gentile AT, Mills JL, Westerband A, Gooden MA, Berman SS, Boswell CA, Williams SK. Characterization of Cellular Density and Determination of Neointimal Extracellular Matrix Constituents in Human Lower Extremity Vein Graft Stenoses. Presented at the 23rd World Congress International Society for Cardiovascular Surgery, September 21-26, 1997, London, England. Cardiovascular Surg 1999;7:464-69.

Wixon CL, Mills JL, Ihnat DM, Westerband A, Hughes JD. Modulation of the Human Vascular Smooth Muscle Cell Phenotype in Response to Arterialization. Surgical Forum 1999; 419-421.

Westerband A, Mills JL, Hunter GC, Gentile AT, Ihnat D, Heimark RL. Topography of Cell Replication in Human Vein Graft Stenoses. Presented at the 70th Scientific Session of the American Heart Association in Orlando, Fla, November 9-12, 1997. Circulation 1998;98(19):II-325-II-330.

Westerband A, Hunter GC, Smyth SH, Kecsk J, Castrillo A, Berman SS, Gentile AT, Mills JL. Do Ultrasonographic Characteristics of Carotid Plaque Correlate with Intraoperative Findings? Presented at the SVT 20th Annual Conference July 23-27, 1997, San Francisco, CA. J Vasc Tech 1998;22(4):193-197.

Ihnat DM, Mills JL, Hughes JD, Gentile AT, Berman SS, Westerband A. Management of Patients with Venous Thrombo-embolism and Malignancy: Should Vena Cava Filter Placement be Routine. Presented at the 10th Annual Meeting of the American Venous Forum, Lake Buena Vista, Florida, February 19-21, 1998. J Vasc Surg 1998;28:800-7.

Westerband A, Hunter GC, Cintora I, Coulthard SW, Hinni ML, Gentile AT, Devine J, Mills JL. Current Trends

in The Detection and Management of Carotid Body Tumors. Presented at the Western Vascular Society Meeting in Lanai, Hawaii October 1st, 1997. J Vasc Surg 1998; 28:84-93.

Marek JM, Koehler C, Aguirre M, Westerband A, Gentile AT, Mills JL, Hunter GC. The Histologic Characteristics of Carotid Restenosis. Presented before the Association of VA Surgeons, 21st Annual Surgical Symposium, May 5-7, 1997. J Surg Res 1998; 74:27-33.

Jacobs DJ and Westerband A. Antibiotic prophylaxis for intracranial pressure monitors. Presented at the 97th Annual Convention and Scientific Assembly of the National Medical Association in San Francisco, CA August 1-6, 1992, and at the Annual Meeting of the American Association for the Surgery of Trauma, San Diego CA, September 29-October 1, 1994. J Natl Med Assoc 1998;98:417-423.

Gentile AT, Mills JL, Westerband A, Gooden MA, Berman SS, Boswell CA, Williams SK. Characterization of Cellular Density and Determination of Neointimal Extracellular Matrix Constituents in Human Lower Extremity Vein Graft Stenoses. Surgical Forum 1997, pp. 392-395.

Berman SS, Gentile AT, Glickman MH, Mills JL, Hurwitz RL, Westerband A, Marek JM, Hunter GH, McEnroe CS, Fogle MA, Stokes GK. Distal Revascularization-Interval Ligation (DRIL) for Limb Salvage and Maintenance of Dialysis Access in Ischemic Steal Syndrome. J Vasc Surg 1997; 26:393-404.

Westerband A, Mills JL, Marek JM, Heimark R, Hunter GC, Williams S. Immunocytochemical Determination of Cell Type and Proliferation Rate in Human Vein Graft Stenoses. J Vasc Surg 1997; 1:64-73. Presented at the 1996 Meeting of the Society for Vascular Surgery and the International Society for Cardiovascular Surgery, Chicago, Illinois.

Westerband A, Mills JL, Berman SS, Hunter GC. The value of Intraoperative Carotid Arteriogram on Outcome following Carotid Endarterectomy. Presented at the Peripheral Vascular Surgery Society Meeting in Chicago, IL, June 8, 1996. Ann Vasc Surg 1997; 11:14-19.

Westerband A, Mills JM, Kistler SH, Berman SS, Marek JM, Hunter GC. Prospective Validation of Duplex Criteria in Human Infrainguinal Vein Graft Stenoses. Presented at the Peripheral Vascular Surgery Society Meeting in Chicago, IL, June 8, 1996. Ann Vasc Surg 1997; 11:44-48.

Gooden MA, Gentile AT, Mills JL, Berman SS, Demas CP, Reinke K, Greenwald D, Brink J, MS, Westerband A, Hunter GC, Myocutaneous Free-Flap to Extend the Limits of Limb Salvage for Ischemic Tissue Loss. Am J Surg 1997; 174:644-649.

Gentile, AT, Mills JL, Gooden MA, Westerband A, Berman SS, Hughes J, Hunter GC, Identification of Predictors for Lower Extremity Vein Graft Stenosis. Am J Surg 1997; 174:218-221.

Westerband A, Van De Water JM, Amzallag M, Lebovitz PW, Nwasokwa On, Chardavoyne R, Abou-Taleb A, Wang X, Wise L. Cardiovascular Changes during Laparoscopic Cholecystectomy. Surg Gyn & Obstet 1992, 175 .

Auguste LJ, Westerband A, Wise L. Percutaneous and Surgical Management of Intra-Abdominal Abscess: Complements or Rivals. Dig. Surg. 1993; 10:235-239

Masood S, Auguste LJ, Westerband A, Belluco C, Valderama E, Attie J. Differential Oncogenic Expression in Thyroid Follicular and Hurthle Cell Carcinomas. Am J Surg 1993; 166:366-8.

Westerband A, Fratianne RB. Stapled Tie-Over Stent: A Simplified Method for Pressure Dressings on Newly Applied Split-Thickness Skin Grafts. J Burn Care & Rehab. 1993, 14.

Auguste LJ, Masood S, Westerband A, Belluco C, Valderama E, Attie J. Oncogenic Expression in Follicular Neoplasms of the Thyroid Gland. Am J Surg 1992, 164: 592-3.

Other publications

Yamamura MS, Gentile AT, Westerband A, Mills JL. Surgical Management of Aortic Graft Infections: A Unique Approach. Surgical Grand Rounds, June 1998, 274-78.

Abstracts

Westerband A, Rodriguez JA, Ramaiah VG, Diethrich EB. Trends in the Management of Carotid Subclavian Steal Syndrome. Presented at the 31st Annual Symposium of the Society for Clinical Vascular Surgery, March 5-9 2003, Miami, FLA.

Ferris BL, Mills JL, Knox R, Durrani T, Hughes JD, Westerband A. Is Early Post-Operative Duplex Surveillance of Leg Bypass Grafts Clinically Important? Presented at the 2002 Joint Annual Meeting of the American Association for Vascular Surgery / Society for Vascular Surgery, June 10 2002, Boston, MA.

Hernandez A, Xue XY, Westerband A, Killewich LA, Hunter GC. TRAIL Mediated Apoptosis Increases Carotid Plaque Vulnerability. Presented at the 26th International Stroke Conference, Fort Lauderdale, Florida, February 14-16, 2001.

Westerband A, Richter LC, Crouse D, Heimark RL, Mills JL, James DC, Wixon CL, Hughes JD, Aguirre ML. Apoptosis in Human Vein Graft Stenosis. Presented at the 34th Annual Meeting of the Association for Academic Surgery, Tampa, Florida, November 4, 2000

Westerband A, Crouse D, Richter LC, Aguirre ML, Wixon CL, James DC, Mills JL, Hunter GC, Heimark RL. Vein Adaptation to Arterialization in an Experimental Model. Presented at the 2000 Joint Annual Meeting of the Society for Vascular Surgery and International Society for Cardiovascular Surgery - North American Chapter in Toronto, Ontario, Canada, June 12, 2000.

Mills JL, James DC, Wixon CL, Westerband A, Hughes JD. The Natural History of Intermediate and Critical Vein graft Stenosis: Recommendations for continued surveillance or repair. Presented at the 2000 Joint Annual Meeting of the Society for Vascular Surgery and International Society for Cardiovascular Surgery - North American Chapter in Toronto, Ontario, Canada, June 12, 2000.

Hernandez A, Xue X-Y, Hawkins H, Killewich LA, Westerband A, Hunter GC. Differential Expression of Mediators of Apoptosis in Carotid Plaque. Presented as a Poster at the 2000 Joint Annual Meeting of the Society for Vascular Surgery and International Society for Cardiovascular Surgery - North American Chapter in Toronto, Ontario, Canada, June 12, 2000.

Westerband A, Crouse D, Aguirre ML, James DC, Richter LC, Heimark RL. Apoptosis in Newly Arterialized Vein Grafts. Presented at the 10th Annual Meeting of the Society of Black Academic Surgeons, Los Angeles, CA April 27-29, 2000.

Westerband A, Heimark RL, Crouse D, Wixon CL, Mills JL. Time Course of Neovascularization in a Rat Model of Arterialized Vein Grafts. Presented as a Poster at Symposium on Experimental and Clinical Regulation of Angiogenesis, Salt Lake City, UT, March 2-7, 2000.

Hunter GC, Henderson A, Hawkins A, Burke A, Westerband A, Killewich L. Vascular Endothelial Growth Factor (VEGF) Expression in Vein Grafts. Presented as a Poster at the VII Biennial Meeting of the International Society for Applied Cardiovascular Biology, Tucson, AZ, March 8-11, 2000.

Westerband A, Gentile AT, Gooden MA, Berman SS, Hansson GK, Mills JL, Hunter GC. Angiogenesis and Endothelial Nitric Oxide Synthase (eNOS) Expression in Human Vein Graft stenosis. Presented in part at a Research Forum during the 1997 Joint Annual Meeting of the Society for Vascular Surgery and the International Society for Cardiovascular Surgery, June 1-4, 1997, Boston, Massachusetts. Submitted for publication.

Driver ED, Feinberg WM, Westerband A, Berman SS, Hunter GC, Mills JL. Doppler Changes in the Contralateral Carotid Artery after Endarterectomy. Presented as a poster (by A.W.) at the 22nd International Joint Conference on Stroke and Cerebral Circulation, February 6-8, 1997.

Recent Poster

Tynan G, Berman SS, Quick RC, Westerband A, Mendoza B. Intermediate-term durability of open and endovascular aneurysm repair (EVAR) in the community hospital setting. Society of Vascular Medicine and Biology, June 2006, Chicago, IL.

Scholarly Presentations

Westerband A. Coronary-Subclavian Steal Syndrome: Strategy in Prevention and Management. Cardiovascular Surgical Grand Rounds, Arizona Heart Institute, Phoenix, Arizona, November 28, 2001.

Westerband A, Richter LC, Crouse D, Heimark RL, Mills JL, James DC, Wixon CL, Hughes JD, Aguirre ML. Apoptosis in Human Vein Graft Stenosis. Presented at the 34th Annual Meeting of the Association for Academic Surgery, Tampa, Florida, November 4, 2000.

- Westerband A et al. Vein Adaptation to Arterialization in an Experimental Model. Presented at the 2000 Joint Annual Meeting of the Society for Vascular Surgery and International Society for Cardiovascular Surgery – North American Chapter in Toronto, Ontario, Canada, June 12, 2000.
- Westerband A et al. Apoptosis in Newly Arterialized Vein Grafts. Presented at the 10th Annual Meeting of the Society of Black Academic Surgeons, Los Angeles, CA April 27-29, 2000.
- Westerband A et al. Time Course of Neovascularization in a Rat Model of Arterialized Vein Grafts. Presented as a Poster at Symposium on Experimental and Clinical Regulation of Angiogenesis, Salt Lake City, UT, March 2-7, 2000.
- Westerband A. Venous Disease: Acute vs Chronic. 2nd Annual Nursing Symposium on Vascular disease, Tucson, Arizona, September 1999.
- Westerband A. Chronic Venous Disease. Symposium on Lymphedema, Tucson Rehabilitation Institute, March 1999.
- Westerband A. Chronic Venous Insufficiency: Symptoms, Diagnosis and Treatment. Annual Nursing Symposium on Vascular Disease, Tucson, Arizona, September 1998.
- Westerband A et al. Carotid Body Tumors: Diagnosis and Treatment. Presented before the AMHE in Chicago, IL, July 1998.
- Westerband A et al. Topography of Cell Replication in Human Vein Graft Stenoses. Presented as a Poster at the 70th Scientific Session of the American Heart Association in Orlando, Fla, November 9-12, 1997.
- Westerband A et al. Current Trends in the Detection and Management of Carotid Body Tumors. Presented at 1997 Annual Meeting of the Western Vascular Society Meeting in Lanai, Hawaii.
- Westerband A et al. Do Ultrasonographic Characteristics of Carotid Plaque Correlate with Intraoperative Findings? Presented at the SVT 20th Annual Conference July 23-27, 1997, San Francisco, CA. J Vasc Tech 1998;22(4):193-197.

Westerband A et al. Angiogenesis and Endothelial Nitric Oxide Synthase Expression in Human Vein Graft Stenosis. Resident Research Symposium, University of Arizona, June 1997.

Driver ED, Feinberg WM, Westerband A, Mills JL. Doppler Changes in the Controlateral Carotid Artery after Endarterectomy. Presented as a Poster at the 22nd International Joint Conference on Stroke and Cerebral Circulation, February 6-8, 1997..

Westerband A et al. Immunocytochemical Determination of Cell Type and Proliferation Rate in Human Vein Graft Stenoses. Presented at the 1996 Meeting of the Society for Vascular Surgery and the International Society for Cardiovascular Surgery, Chicago, Illinois.

Westerband A et al. The value of Intraoperative Carotid Arteriogram on Outcome following Carotid Endarterectomy. Presented at the Peripheral Vascular Surgery Society Meeting in Chicago, IL, June 8, 1996.

Westerband A et al. Prospective Validation of Duplex Criteria in Human Infrainguinal Vein Graft Stenoses. Presented at the Peripheral Vascular Surgery Society Meeting in Chicago, IL, June 8, 1996.

Westerband A et al. Immunocytochemical Determination of Cell Type and Proliferation Rate in Human Vein Graft Stenoses. Resident Research Symposium, University of Arizona, June 1996.

Westerband A, Brandt C, Fratianne RB. Toxic Epidermal Necrolysis: Predictors of Increased Mortality. Presented before the Cleveland Surgical Society, March 22, 1994.

Westerband A, Jacobs DJ. Antibiotic prophylaxis for intracranial pressure monitors. Presented at the 97th Annual Convention and Scientific Assembly of the National Medical Association in San Francisco, CA August 1-6, 1992.

Westerband A. Drainage of Postoperative Intra-Abdominal Abscess: What are the Options? Surgical Grand Rounds, Case Western Reserve University, June 11, 1994.

Westerband A. The Potential Value of Oncogene Expression in Human Neoplasms with a Particular Reference to Follicular Thyroid Tumors. Surgical Grand Rounds, Case Western Reserve University, January 16, 1993.

Westerband A. Cardiovascular Effects of Laparoscopic Cholecystectomy. Surgical Grand Rounds, Case Western Reserve University, May 2, 1992.

Westerband A. Second Look at the Management of Intra-Abdominal Abscesses. Surgical Grand Rounds, Long Island Jewish Medical Center, May 3, 1990.

Westerband A. Primary Carcinoma of the Gallbladder. Grand Round presentation during a Surgical Clerkship at Long Island Jewish Medical Center, January 1984.

IX. Grants and Contracts

Current Research Project:

ELITE BTK Trial, HonorHealth Research and Innovation Institute
Sub-Investigator. October 2025.

Previous Research Projects:

ULTRA-H-FIB: Ultrasound-Based Renal Sympathetic Denervation as Adjunctive Upstream Therapy During Atrial Fibrillation Ablation: A Pilot Study.
Sub-Investigator. April 2021

Positive Impact of Endovascular Options for Treating Aneurysms Early (PIVOTAL). Protocol # VS-2003-02.
Sub-Investigator. 2006.

Open Versus Endovascular Repair (OVER) of Abdominal Aortic Aneurysms. VA Cooperative Study # 498.
Participating Investigator for Tucson (678) (2002-2004).

Coronary Artery Revascularization Prophylaxis Trial (CARP). VA Cooperative Study # 411. Collaborating Investigator (Trial ended in 2003).

Glycemic Control and Complications in Diabetes Mellitus Type 2. VA Cooperative Study CSP # 465. Member of the Endpoints Committee (2002-2004).

Vein Adaptation to Arterialization. Principal Investigator.

Sponsor - Pacific Vascular Research Foundation, San Francisco (07/98 - 12/2000) - \$44,073.

Cell Adhesion and Vascular Remodeling. Principal Investigator. Sponsor - University of Arizona Foundation Grants and Awards \$5,000.

Cadherin Regulation and Function in Vascular Smooth Muscle. Collaborator. Project supported by a Grant from the American Heart Association (01/98 - 12/00) - \$150,000

Natural History of Large Abdominal Aortic Aneurysms. VA Cooperative Study # 417. Role: In-Site Principal Investigator.

Industry – Previous Projects (2001-2002)

A Prospective, Multicenter Double-Blind with In-House Blinding, Randomized, Comparative Study to Evaluate the Efficacy, Safety, and Tolerability of Ertapenem Versus Piperacillin/Tazobactam in the Treatment of Diabetic Foot Infections in Adults. Collaborating Investigator.

Sponsor - Merck Incorporated.

A pivotal Study to Evaluate the Safety and Efficacy of Cryopreserved Bilayered Cellular Matrix (Cryo-OrCel) for the Treatment of Venous Ulcers. Collaborator.

Sponsor - Ortec International Inc.

Linezolid IV or PO Compared to Unasyn IV or Augmentin PO for the Treatment of Patients with Diabetic Foot Infections, - A Randomized, Open-Label, Phase IV Clinical Trial. Collaborating Investigator. Sponsor - Pharmacia and Upjohn Corporation.

A Randomized, Controlled Multicenter Trial of Vacuum Assisted Closure Therapy. Collaborator. Sponsor - Kinetic Concepts, Inc.

A Prospective, Randomized, Double-Blind, Multicenter Trial to Assess the Safety and Efficacy of Sequential (intravenous/oral) BAY 12-8039 (Moxifloxacin) 400mg Every 24 hr Compared to Intravenous Piperacillin/Tazobactam 3.0/0.375 g Every 6 hr Skin and Skin Structure Infections. Collaborating Investigator. Sponsor - Bayer Corporation.

Grant Application (NIH21): Development of a Computational Tool for the Assessment of Endovascular Graft Failure Mechanisms - Associate Investigator – Application re-submitted to NIH (last in in 2011).

Alex Westerband, M.D.