

Surgical Treatment of Peripheral Artery Disease

5/28/2013



Citations below were collected by following the strategy suggested in the **Surgery Subject Guide – Tutorials and Subject Guide page**

<http://hms.harvard.libguides.com/aecontent.php?pid=38249&sid=304546>

1. From the Surgical Milestones List:

<http://hms.harvard.libguides.com/loader.php?type=d&id=27740>

Carrel Alexis. The operative technique of vascular anastomoses and the transplantation of organs. Lyon Medical: 98: 859-864, 1902.

Matas Rudolph. An operation for the radical cure of aneurism based upon arteriorrhaphy. Ann Surg. 37:161-196, **1903**. Times cited: 64

Gross Robert E, Hubbard John P. Surgical ligation of a patent ductus arteriosus. JAMA 112:729-731, **1939**. Times cited 403

Gross Robert E, Bill Alexander H, Peirce E Converse. Methods for preservation and transplantation of arterial grafts. Surg Gynecol Obstet. 88:689-701, **1949**. Times Cited: 270

2. Read through “History of Vascular Surgery” Chapter 60 in **Surgery: Basic Science Clinical Evidence** <http://nrs.harvard.edu/urn-3:hul.ebook:GEN_0387308008 >

Select important innovations that changed practice which you want to discuss in your presentation. Follow up by finding the original studies in the list of references at the end of the chapter. (References begin on p. 1310 in the pdf page numbering. It may be easier to use the print copy of the book which is shelved at WO 100 S9613 2008).

3. Sabiston Textbook of Surgery 2012

http://nrs.harvard.edu/urn-3:hul.ebook:MDCON_9781437715606

Go to **Selected References** on Peripheral Arterial Disease Chapter 63

Notice the annotations after each citation

Hirsch AT, Haskal ZJ, Hertzler NR, et al: ACC/AHA 2005 Practice Guidelines for the management of patients with peripheral arterial disease (lower extremity, renal, mesenteric, and abdominal aortic): a collaborative report from the American Association for Vascular Surgery/Society for Vascular Surgery, Society for Cardiovascular Angiography and Interventions, Society for Vascular Medicine and Biology, Society of Interventional Radiology, and the ACC/AHA Task Force on Practice Guidelines (Writing Committee to Develop Guidelines for the Management of Patients With Peripheral Arterial Disease): endorsed by the American Association of Cardiovascular and Pulmonary Rehabilitation; National Heart, Lung, and Blood Institute; Society for Vascular Nursing; TransAtlantic Inter-Society Consensus; and Vascular Disease Foundation. *Circulation* 2006; 113:e463-e654.

AHA/ACC guidelines is a consensus document describing targets for medical management of vascular disease, including current thoughts on prevention.

Brott TG, Hobson 2nd RW, Howard G, et al: Stenting versus endarterectomy for treatment of carotid-artery stenosis. *N Engl J Med* 2010; 363:11-23.

CREST—The definitive randomized prospective trial comparing carotid stenting and carotid endarterectomy; it lasted over 10 years and producing the best results from both therapies ever reported in such a trial. Results from carotid stenting were dramatically improved during the second half of the trial as compared with the first half, suggesting the evolutionary nature of endovascular procedures and an identifiable learning curve for new technologies.

Barnett HJ, Taylor DW, Eliasziw M, et al: Benefit of carotid endarterectomy in patients with symptomatic moderate or severe stenosis. North American Symptomatic Carotid Endarterectomy Trial Collaborators. *N Engl J Med* 1998; 339:1415-1425.

NASCET was a randomized prospective trial confirming the superiority of carotid endarterectomy over medical management for patients with high-grade symptomatic carotid disease.

Endarterectomy for asymptomatic carotid artery stenosis. Executive Committee for the Asymptomatic Carotid Atherosclerosis Study. *JAMA* 1995; 273:1421-1428.

ACAS was a randomized prospective trial confirming the superiority of Carotid Endarterectomy over medical management for the treatment of asymptomatic carotid disease.

Adam DJ, Beard JD, Cleveland T, et al: Bypass versus angioplasty in severe ischaemia of the leg (BASIL): Multicentre, randomised controlled trial. *Lancet* 2005; 366:1925-1934.

A randomized trial that showed in patients with severe limb ischemia due to infra-inguinal disease and who are suitable for surgery and angioplasty, a bypass-surgery-first and a balloon-angioplasty-first strategy are associated with broadly similar outcomes in terms of amputation-free survival, and in the short-term, surgery was more expensive than angioplasty.

CAPRIE Steering Committee : A randomized, blinded, trial of clopidogrel versus aspirin in patients at risk of ischemic events (CAPRIE). *Lancet* 1996; 348:1329-1339.

A blinded randomized trial that showed clopidogrel to be more effective and safer than aspirin in reducing the combined risk of ischemic stroke, myocardial infarction, or vascular deaths in patients with atherosclerosis.

Norgren L, Hiatt WR, Dormandy JA, et al: Inter-Society Consensus for the Management of Peripheral Arterial Disease (TASC II). *J Vasc Surg* 2007; 45(Suppl):S5-S67.

This consensus document describes an approach for choosing open revascularization versus endovascular therapy for patients based on lesion characteristics.

4. Books from the Countway Collection

***Surgical management of vascular disease** / edited by Peter R.F. Bell, Crawford W. Jamieson, and C. Vaughan Ruckley. London ; Philadelphia : W.B. Saunders, c1992.

Link to this record <http://hollis.harvard.edu/?itemid=library/m/aleph|003735825>

- Countway Medicine | WG 500 S961 1992

Read chapter- A History of Arterial and Venous Surgery. Wiley F. Barker. Pgs 1- 17 *Excellent bibliography in multiple languages and going back into 17 century*

A history of vascular surgery / Steven G. Friedman.

Malden, Mass. : Blackwell Futura, c2005. [2nd ed.]

Link to this record <http://hollis.harvard.edu/?itemid=library/m/aleph|009742850>

- Widener | WID-LC | RD598.5 .F75 2005

- Countway Medicine | WG 11.1 F911h 2005

5. Most cited studies

Strategy_ In **Science Citation Index** used the following strategy where TS = topic and then sorted by most cited: TS=(surgery OR surgical) AND TS=("peripheral artery" OR "peripheral arterial disease" OR "peripheral arterial diseases") Refined by: Document Types=(ARTICLE) AND Web of Science Categories=(SURGERY) This produced 557 articles. The top 10 are listed below:

Record 1 of 10

Title: Predictive value of noninvasively determined endothelial dysfunction for long-term cardiovascular events in patients with peripheral vascular disease

Author(s): Gokce, N (Gokce, N); Keaney, JF (Keaney, JF); Hunter, LM (Hunter, LM); Watkins, MT (Watkins, MT); Nedeljkovic, ZS (Nedeljkovic, ZS); Menzoian, JO (Menzoian, JO); Vita, JA (Vita, JA)

Source: JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY **Volume:** 41 **Issue:** 10 **Pages:** 1769-1775 **DOI:** [10.1016/S0735-1097\(03\)00333-4](https://doi.org/10.1016/S0735-1097(03)00333-4) **Published:** MAY 21 2003

Times Cited in Web of Science: 354

Total Times Cited: 356

Accession Number: WOS:000182960900020

ISSN: [0735-1097](https://doi.org/10.1016/S0735-1097)

Record 2 of 10

Title: Incidence, natural history and cardiovascular events in symptomatic and asymptomatic peripheral arterial disease in the general population

Author(s): Leng, GC (Leng, GC); Lee, AJ (Lee, AJ); Fowkes, FGR (Fowkes, FGR); Whiteman, M (Whiteman, M); Dunbar, J (Dunbar, J); Housley, E (Housley, E); Ruckley, CV (Ruckley, CV)

Source: INTERNATIONAL JOURNAL OF EPIDEMIOLOGY **Volume:** 25 **Issue:** 6 **Pages:** 1172-1181 **DOI:** [10.1093/ije/25.6.1172](https://doi.org/10.1093/ije/25.6.1172) **Published:** DEC 1996

Times Cited in Web of Science: 317

Total Times Cited: 325

Accession Number: WOS:A1996WB65200009

ISSN: [0300-5771](#)

Record 3 of 10

Title: Rescue of diabetes-related impairment of angiogenesis by intramuscular gene therapy with adeno-VEGF

Author(s): Rivard, A (Rivard, A); Silver, M (Silver, M); Chen, DF (Chen, DF); Kearney, M (Kearney, M); Magner, M (Magner, M); Annex, B (Annex, B); Peters, K (Peters, K); Isner, JM (Isner, JM)

Source: AMERICAN JOURNAL OF PATHOLOGY **Volume:** 154 **Issue:** 2 **Pages:** 355-363 **DOI:** [10.1016/S0002-9440\(10\)65282-0](#) **Published:** FEB 1999

Times Cited in Web of Science: 284

Total Times Cited: 303

Accession Number: WOS:000078575900006

ISSN: [0002-9440](#)

Record 4 of 10

Title: Obesity and Cardiovascular Disease Risk Factor, Paradox, and Impact of Weight Loss

Author(s): Lavie, CJ (Lavie, Carl J.); Milani, RV (Milani, Richard V.); Ventura, HO (Ventura, Hector O.)

Source: JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY **Volume:** 53 **Issue:** 21 **Pages:** 1925-1932 **DOI:** [10.1016/j.jacc.2008.12.068](#) **Published:** MAY 26 2009

Times Cited in Web of Science: 256

Total Times Cited: 261

Accession Number: WOS:000266236800001

Author Identifiers:

Author	ResearcherID Number	ORCID Number
Ventura, Hector	A-7691-2011	
Milani, Richard	A-6045-2011	
Lavie, Carl	A-6014-2011	
Sriwisit, Sukhumaphorn	G-1405-2011	

ISSN: [0735-1097](#)

Record 5 of 10

Title: INITIAL EXPERIENCE WITH TRANSLUMINALLY PLACED ENDOVASCULAR GRAFTS FOR THE TREATMENT OF COMPLEX VASCULAR-LESIONS

Author(s): MARIN, ML (MARIN, ML); VEITH, FJ (VEITH, FJ); CYNAMON, J (CYNAMON, J); SANCHEZ, LA (SANCHEZ, LA); LYON, RT (LYON, RT); LEVINE, BA (LEVINE, BA); BAKAL, CW (BAKAL, CW); SUGGS, WD (SUGGS, WD); WENGERTER,

KR (WENGERTER, KR); RIVERS, SP (RIVERS, SP); PARSONS, RE (PARSONS, RE); YUAN, JG (YUAN, JG); WAIN, RA (WAIN, RA); OHKI, T (OHKI, T); ROZENBLIT, A (ROZENBLIT, A); PARODI, JC (PARODI, JC)

Source: ANNALS OF SURGERY **Volume:** 222 **Issue:** 4 **Pages:** 449-469 **Published:** OCT 1995

Times Cited in Web of Science: 211

Total Times Cited: 214

Accession Number: WOS:A1995RZ27300004

Conference Title: 115th Annual Meeting of the American-Surgical-Association

Conference Date: APR 06-08, 1995

Conference Location: CHICAGO, IL

ISSN: [0003-4932](#)

Record 6 of 10

Title: NATURAL-HISTORY OF ATHEROSCLEROTIC RENAL-ARTERY STENOSIS ASSOCIATED WITH AORTIC DISEASE

Author(s): TOLLEFSON, DFJ (TOLLEFSON, DFJ); ERNST, CB (ERNST, CB)

Source: JOURNAL OF VASCULAR SURGERY **Volume:** 14 **Issue:** 3 **Pages:** 327-331 **Published:** SEP 1991

Times Cited in Web of Science: 190

Total Times Cited: 191

Accession Number: WOS:A1991GF10200011

Conference Title: 15TH ANNUAL MEETING OF THE SOUTHERN ASSOC FOR VASCULAR SURGERY

Conference Date: JAN 23-26, 1991

Conference Location: PALM SPRINGS, CA

ISSN: [0741-5214](#)

Record 7 of 10

Title: Prospective blinded study of the relationship between plasma homocysteine and progression of symptomatic peripheral arterial disease

Author(s): Taylor, LM (Taylor, LM); Moneta, GL (Moneta, GL); Sexton, GJ (Sexton, GJ); Schuff, RA (Schuff, RA); Porter, JM (Porter, JM)

Group Author(s): Homocysteine Progression Atherosclerosis Study

Source: JOURNAL OF VASCULAR SURGERY **Volume:** 29 **Issue:** 1 **Pages:** 8-19 **DOI:** [10.1016/S0741-5214\(99\)70345-9](#) **Published:** JAN 1999

Times Cited in Web of Science: 109

Total Times Cited: 110

Accession Number: WOS:000078016500002

Conference Title: 52nd Annual Meeting of the Society-for-Vascular-Surgery

Conference Date: JUN 07-10, 1998
Conference Location: SAN DIEGO, CALIFORNIA
ISSN: [0741-5214](#)

Record 8 of 10

Title: The role of hyperbaric oxygen therapy in ischaemic diabetic lower extremity ulcers: a double-blind randomised-controlled trial

Author(s): Abidia, A (Abidia, A); Laden, G (Laden, G); Kuhan, G (Kuhan, G); Johnson, BF (Johnson, BF); Wilkinson, AR (Wilkinson, AR); Renwick, PM (Renwick, PM); Masson, EA (Masson, EA); McCollum, PT (McCollum, PT)

Source: EUROPEAN JOURNAL OF VASCULAR AND ENDOVASCULAR SURGERY **Volume:** 25 **Issue:** 6 **Pages:** 513-518 **DOI:** [10.1053/ejvs.2002.1911](#) **Published:** JUN 2003

Times Cited in Web of Science: 102

Total Times Cited: 105

Accession Number: WOS:000183505800004

ISSN: [1078-5884](#)

Record 9 of 10

Title: Outcome of unreconstructed chronic critical leg ischaemia

Author(s): Lepantalo, M (Lepantalo, M); Matzke, S (Matzke, S)

Source: EUROPEAN JOURNAL OF VASCULAR AND ENDOVASCULAR SURGERY **Volume:** 11 **Issue:** 2 **Pages:** 153-157 **DOI:** [10.1016/S1078-5884\(96\)80044-X](#) **Published:** FEB 1996

Times Cited in Web of Science: 95

Total Times Cited: 95

Accession Number: WOS:A1996TU94500006

ISSN: [1078-5884](#)

If you decide to focus on one aspect of this fairly broad topic, consider asking a librarian to help you (countref@hms.harvard.edu) focus some of these database search strategies.

Julia Whelan
Reference & Education Librarian
Countway Library of Medicine