



2021 Vascular Surgery: All References

Below you will find the topics and their accompanying references for the 2021 Vascular Surgery Continuous Certification Assessment. References that are available open source are indicated with a green star ★ and the entire citation is a link to the open access source. References that are not available open access have a link in their PubMed ID to the abstract.

Diplomates are neither required nor expected to read all of these references before or during the completion of the assessment.

Abdominal Aortic Aneurysm:

- ★ [Chaikof EL, Dalman RL, Eskandari MK, et al. The Society for Vascular Surgery practice guidelines on the care of patients with an abdominal aortic aneurysm. *J Vasc Surg.* 2018;67\(1\):2-77.e2.](#)
[PMID: 29268916]
- Samura M, Morigage N, Otsuka R, et al. Endovascular aneurysm repair with inferior mesenteric artery embolization for preventing type II endoleak: a prospective randomized controlled trial. *Ann Surg.* 2020;271(2):238-244.
[PMID: 30946077]

Abdominal Aortic Aneurysm, Ruptured:

- ★ [Wanhainen A, Verzini F, Van Herzele I, et al. Editor's choice - European Society for Vascular Surgery \(ESVS\) 2019 clinical practice guidelines on the management of abdominal aorto-iliac artery aneurysms. *Eur J Vasc Endovasc Surg.* 2019;57\(1\):8-93.](#)
[PMID: 30528142]
- Deng J, Liu J, Rong D, et al. A meta-analysis of locoregional anesthesia versus general anesthesia in endovascular repair of ruptured abdominal aortic aneurysm. *J Vasc Surg.* 2021;73(2):700-710.
[PMID: 32882348]
- ★ [Antoniou GA, Georgiadis GS, Antoniou SA, et al. Endovascular repair for ruptured abdominal aortic aneurysm confers an early survival benefit over open repair. *J Vasc Surg.* 2013;58\(4\):1091-1105.](#)
[PMID: 24075109]
- ★ [Chaikof EL, Dalman RL, Eskandari MK, et al. The Society for Vascular Surgery practice guidelines on the care of patients with an abdominal aortic aneurysm. *J Vasc Surg.* 2018;67\(1\):2-77.e2.](#)
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Aneurysms, Treatment Strategy of Multiple:

- ★ [Chaikof EL, Dalman RL, Eskandari MK, et al. The Society for Vascular Surgery practice guidelines on the care of patients with an abdominal aortic aneurysm. *J Vasc Surg.* 2018;67\(1\):2-77.e2.](#)
[PMID: 29268916]
- ★ [Bosanquet DC, Wilcox C, Whitehurst L, et al. Systematic review and meta-analysis of the effect of internal iliac artery exclusion for patients undergoing EVAR. *Eur J Vasc Endovasc Surg.* 2017;53\(4\):534-548.](#)
[PMID: 28242154]
- ★ [Schneider DB, Matsumura JS, Lee JT, Peterson BG, Chaer RA, Oderich GS. Prospective, multicenter study of endovascular repair of aortoiliac and iliac aneurysms using the gore iliac branch endoprosthesis. *J Vasc Surg.* 2017;66\(3\):775-785.](#)
[PMID: 28559174]

Aortic Dissection:

- ★ [Schwartz SI, Durham C, Clouse WD, et al. Predictors of late aortic intervention in patients with medically treated type B aortic dissection. *J Vasc Surg.* 2018;67\(1\):78-84.](#)
[PMID: 28912006]
- ★ [Kamman AV, Brunkwall J, Verhoeven EL, Heijmen RH, Trimarchi S; ADSORB trialists. Predictors of aortic growth in uncomplicated type B aortic dissection from the acute dissection stent grafting or best medical treatment \(ADSORB\) database. *J Vasc Surg.* 2017;65\(4\):964-971.e3.](#)
[PMID: 27876516]
- ★ [Mussa FF, Horton JD, Moridzadeh R, Nicholson J, Trimarchi S, Eagle KA. Acute aortic dissection and intramural hematoma: a systematic review. *JAMA.* 2016;316\(7\):754-763.](#)
[PMID: 27533160]
- ★ [Brunkwall J, Kasprzak P, Verhoeven E, et al. Endovascular repair of acute uncomplicated aortic type B dissection promotes aortic remodelling: 1 year results of the ADSORB trial. *Eur J Vasc Endovasc Surg.* 2014;48\(3\):285-291.](#)
[PMID: 24962744]



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Atherosclerotic Renovascular Hypertension:

- ★ [Whelton PK, Carey RM, Aronow WS, et al. 2017 ACC/AHA/AAPA/ABC/ACPM/AGS/APhA/ASH/ASPC/NMA/PCNA Guideline for the prevention, detection, evaluation, and management of high blood pressure in adults: a report of the American College of Cardiology/American Heart Association task force on clinical practice guidelines. *Hypertension*. 2018;71\(6\):e13-e115.](#)
[PMID: 29133356]

Cardiac Failure (B):

- ★ [Ibanez B, James S, Agewall S, et al. 2017 ESC Guidelines for the management of acute myocardial infarction in patients presenting with ST-segment elevation: the task force for the management of acute myocardial infarction in patients presenting with ST-segment elevation of the European Society of Cardiology \(ESC\). *Eur Heart J*. 2018;39\(2\):119-177.](#)
[PMID: 28886621]

Carotid Artery Dissection:

- ★ [Rao AS, Makaroun MS, Marone LK, Cho JS, Rhee R, Chaer RA. Long-term outcomes of internal carotid artery dissection. *J Vasc Surg*. 2011;54\(2\):370-375.](#)
[PMID: 21620626]
- [Martinelli O, Venosi S, BenHamida J, et al. Therapeutical options in the management of carotid dissection. *Ann Vasc Surg*. 2017;41:69-76.](#)
[PMID: 27916638]

Carotid Artery Stenosis:

- ★ [Keyhani S, Madden E, Cheng EM, et al. Risk prediction tools to improve patient selection for carotid endarterectomy among patients with asymptomatic carotid stenosis. *JAMA Surg*. 2019;154\(4\):336-344.](#)
[PMID: 30624562]
- [Fereydooni A, Gorecka J, Xu J, Schindler J, Dardik A. Carotid endarterectomy and carotid artery stenting for patients with crescendo transient ischemic attacks: a systematic review. *JAMA Surg*. 2019;154\(11\):1055-1063.](#)
[PMID: 31483458]
- ★ [Paraskevas KI, Ricco JB, Veith FJ. Seeing light and shadows: a commentary on the 2017 European Society for Vascular Surgery carotid guidelines. *J Vasc Surg*. 2018;67\(2\):646-648.](#)
[PMID: 29389428]



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Claudication:

- ★ [Society for Vascular Surgery Lower Extremity Guidelines Writing Group, Conte MS, Pomposelli FB, et al. Society for Vascular Surgery practice guidelines for atherosclerotic occlusive disease of the lower extremities: management of asymptomatic disease and claudication. *J Vasc Surg.* 2015;61\(3 Suppl\):2S-41S. \[PMID: 25638515\]](#)
- ★ [Fashandi AZ, Mehaffey JH, Hawkins RB, Kron IL, Upchurch GR Jr, Robinson WP. Major adverse limb events and major adverse cardiac events after contemporary lower extremity bypass and infrainguinal endovascular intervention in patients with claudication. *J Vasc Surg.* 2018;68\(6\):1817-1823. \[PMID: 30470369\]](#)
- ★ [Lindgren HIV, Qvarfordt P, Bergman S, Gottsäter A; Swedish Endovascular Claudication Stenting Trialists. Primary stenting of the superficial femoral artery in patients with intermittent claudication has durable effects on health-related quality of life at 24 months: results of a randomized controlled trial. *Cardiovasc Intervent Radiol.* 2018;41\(6\):872-881. \[PMID: 29520431\]](#)
- [Klaphake S, Fakhry F, Rouwet EV, et al. Long-term follow-up of a randomized clinical trial comparing endovascular revascularization plus supervised exercise with supervised exercise only for intermittent claudication. *Ann Surg.* 2020; Publish Ahead of Print:10.1097/SLA.0000000000004712. \[PMID: 33378308\]](#)
- ★ [Gerhard-Herman MD, Gornik HL, Barrett C, et al. 2016 AHA/ACC guideline on the management of patients with lower extremity peripheral artery disease: a report of the American College of Cardiology/American Heart Association Task Force on clinical practice guidelines. *Circulation.* 2017;135\(12\):e726-e779. \[PMID: 27840333\]](#)
- ★ [Treat-Jacobson D, McDermott MM, Bronas UG, et al. Optimal exercise programs for patients with peripheral artery disease: a scientific statement from the American Heart Association. *Circulation.* 2019;139\(4\):e10-e33. \[PMID: 30586765\]](#)

Endothermal Heat-Induced Thrombosis:

- [Kabnick LS, Sadek M, Bjarnason H, et al. Classification and treatment of endothermal heat-induced thrombosis: recommendations from the American Venous Forum and the Society for Vascular Surgery. *J Vasc Surg Venous Lymphat Disord.* 2021;9\(1\):6-22. \[PMID: 33012690\]](#)



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General Overview and Indications:

- Claudeanos KT, Hudgins J, Keahey G, Cull DL, Carsten CG 3rd. Fistulas in octogenarians: are they beneficial? *Ann Vasc Surg.* 2015;29(1):98-102.
[PMID: [25449982](#)]
- ★ [Lok CE, Huber TS, Lee T, et al. KDOQI clinical practice guideline for vascular access: 2019 update. *Am J Kidney Dis.* 2020;75\(4 Suppl 2\):S1-S164.](#)
[PMID: 32778223]
- ★ [Vascular Access 2006 Work Group. Clinical practice guidelines for vascular access. *Am J Kidney Dis.* 2006;48 Suppl 1:S176-S247.](#)
[PMID: 16813989]

Hypovolemic Shock (B):

- ★ [Joseph B, Zeeshan M, Sakran JV, et al. Nationwide analysis of resuscitative endovascular balloon occlusion of the aorta in civilian trauma. *JAMA Surg.* 2019;154\(6\):500-508.](#)
[PMID: 30892574]

Infrarenal and Aortoiliac Aneurysm Repair:

- ★ [Schneider DB, Matsumura JS, Lee JT, Peterson BG, Chaer RA, Oderich GS. Prospective, multicenter study of endovascular repair of aortoiliac and iliac aneurysms using the gore iliac branch endoprosthesis. *J Vasc Surg.* 2017;66\(3\):775-785.](#)
[PMID: 28559174]
- ★ [Chaikof EL, Dalman RL, Eskandari MK, et al. The Society for Vascular Surgery practice guidelines on the care of patients with an abdominal aortic aneurysm. *J Vasc Surg.* 2018;67\(1\):2-77.e2.](#)
[PMID: 29268916]

Limb Threatening Ischemia:

- ★ [Conte MS, Bradbury AW, Kolh P, et al. Global vascular guidelines on the management of chronic limb-threatening ischemia. *Eur J Vasc Endovasc Surg.* 2019;58\(1S\):S1-S109.e33.](#)
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- ★ [Mills JL Sr, Conte MS, Armstrong DG, et al. The Society for Vascular Surgery lower extremity threatened limb classification system: risk stratification based on wound, ischemia, and foot infection \(WIFI\). *J Vasc Surg.* 2014;59\(1\):220-34.e342.](#)
[PMID: 24126108]



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Management of Failing Access:

- ★ [Lok CE, Huber TS, Lee T, et al. KDOQI clinical practice guideline for vascular access: 2019 update. *Am J Kidney Dis.* 2020;75\(4 Suppl 2\):S1-S164.](#)
[PMID: 32778223]

Mesenteric Ischemia:

- ★ [Alahdab F, Arwani R, Pasha AK, et al. A systematic review and meta-analysis of endovascular versus open surgical revascularization for chronic mesenteric ischemia. *J Vasc Surg.* 2018;67\(5\):1598-1605.](#)
[PMID: 29571626]
- ★ [Clair DG, Beach JM. Mesenteric ischemia. *N Engl J Med.* 2016;374\(10\):959-968.](#)
[PMID: 26962730]

Nonatherosclerotic Vascular Diseases:

- ★ [Chaer RA, Abularrage CJ, Coleman DM, et al. The Society for Vascular Surgery clinical practice guidelines on the management of visceral aneurysms. *J Vasc Surg.* 2020;72\(1S\):3S-39S.](#)
[PMID: 32201007]
- ★ [Chadha M, Ahuja C. Visceral artery aneurysms: diagnosis and percutaneous management. *Semin Intervent Radiol.* 2009;26\(3\):196-206.](#)
[PMID: 21326564]
- ★ [Sellke FW, Williams GB, Donovan DL, Clarke RE. Management of intra-abdominal aneurysms associated with periarteritis nodosa. *J Vasc Surg.* 1986;4\(3\):294-298.](#)
[PMID: 2875195]

Non-Thrombotic Access Complications:

- ★ [Lok CE, Huber TS, Lee T, et al. KDOQI clinical practice guideline for vascular access: 2019 update. *Am J Kidney Dis.* 2020;75\(4 Suppl 2\):S1-S164.](#)
[PMID: 32778223]



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Perioperative Prophylaxis for Venous Thromboembolism:

- ★ [Kaufman JA, Barnes GD, Chaer RA, et al. Society of Interventional Radiology clinical practice guideline for inferior vena cava filters in the treatment of patients with venous thromboembolic disease: developed in collaboration with the American College of Cardiology, American College of Chest Physicians, American College of Surgeons Committee on Trauma, American Heart Association, Society for Vascular Surgery, and Society for Vascular Medicine. *J Vasc Interv Radiol.* 2020;31\(10\):1529-1544.](#)
[PMID: 32919823]
- Gunn AJ, Iqbal SI, Kalva SP, et al. Intravascular ultrasound-guided inferior vena cava filter placement using a single-puncture technique in 99 patients. *Vasc Endovascular Surg.* 2013;47(2):97-101.
[PMID: 23315196]
- Lin B, Matsushima K, De Leon L, et al. Early venous thromboembolism prophylaxis for isolated high-grade blunt splenic injury. *J Surg Res.* 2019;243:340-345.
[PMID: 31277010]
- ★ [Ho KM, Rao S, Honeybul S, et al. A multicenter trial of vena cava filters in severely injured patients. *N Engl J Med.* 2019;381\(4\):328-337.](#)
[PMID: 31259488]
- Fullen WD, Miller EH, Steele WF, McDonough JJ. Prophylactic vena caval interruption in hip fractures. *J Trauma.* 1973;13(5):403-410.
[PMID: 4540786]

Risk Assessment and Outcomes:

- ★ [Bonati LH, Gregson J, Dobson J, et al. Restenosis and risk of stroke after stenting or endarterectomy for symptomatic carotid stenosis in the International Carotid Stenting Study \(ICSS\): secondary analysis of a randomised trial. *Lancet Neurol.* 2018;17\(7\):587-596.](#)
[PMID: 29861139]
- ★ [Schermerhorn ML, Liang P, Eldrup-Jorgensen J, et al. Association of transcrotid artery revascularization vs transfemoral carotid artery stenting with stroke or death among patients with carotid artery stenosis. *JAMA.* 2019;322\(23\):2313-2322.](#)
[PMID: 31846015]
- ★ [Kashyap VS, Schneider PA, Foteh M, et al. Early outcomes in the ROADSTER 2 study of transcrotid artery revascularization in patients with significant carotid artery disease. *Stroke.* 2020;51\(9\):2620-2629.](#)
[PMID: 32811386]



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Surveillance after Endovascular Aortic Aneurysm Repair (EVAR):

- ★ [Chaikof EL, Dalman RL, Eskandari MK, et al. The Society for Vascular Surgery practice guidelines on the care of patients with an abdominal aortic aneurysm. *J Vasc Surg.* 2018;67\(1\):2-77.e2.](#)
[PMID: 29268916]

Thoracic Aortic Aneurysms:

- Suarez-Pierre A, Zhou X, Gonzalez JE, et al. Association of preoperative spinal drain placement with spinal cord ischemia among patients undergoing thoracic and thoracoabdominal endovascular aortic repair. *J Vasc Surg.* 2019;70(2):393-403.
[PMID: 30704799]
- ★ [Keith CJ Jr, Passman MA, Carignan MJ, et al. Protocol implementation of selective postoperative lumbar spinal drainage after thoracic aortic endograft. *J Vasc Surg.* 2012;55\(1\):1-8.](#)
[PMID: 21981799]
- ★ [Wong CS, Healy D, Canning C, Coffey JC, Boyle JR, Walsh SR. A systematic review of spinal cord injury and cerebrospinal fluid drainage after thoracic aortic endografting. *J Vasc Surg.* 2012;56\(5\):1438-1447.](#)
[PMID: 22884456]
- Upchurch GR Jr, Escobar GA, Azizzadeh A, et al. Society for Vascular Surgery clinical practice guidelines of thoracic endovascular aortic repair for descending thoracic aortic aneurysms. *J Vasc Surg.* 2021;73(1S):55S-83S.
[PMID: 32628988]

Thoracic Outlet Syndrome, Arterial:

- ★ [Vemuri C, McLaughlin LN, Abuirqeba AA, Thompson RW. Clinical presentation and management of arterial thoracic outlet syndrome. *J Vasc Surg.* 2017;65\(5\):1429-1439.](#)
[PMID: 28189360]
- ★ [Criado E, Berguer R, Greenfield L. The spectrum of arterial compression at the thoracic outlet. *J Vasc Surg.* 2010;52\(2\):406-411.](#)
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- Marine L, Valdes F, Mertens R, Kramer A, Bergoeing M, Urbina J. Arterial thoracic outlet syndrome: a 32-year experience. *Ann Vasc Surg.* 2013;27(8):1007-1013.
[PMID: 23972633]



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- ★ [Illig KA, Donahue D, Duncan A, et al. Reporting standards of the Society for Vascular Surgery for thoracic outlet syndrome: executive summary. J Vasc Surg. 2016;64\(3\):797-802.](#)

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Thoracic Outlet Syndrome, Neurogenic:

- Weaver ML, Hicks CW, Fritz J, Black JH 3rd, Lum YW. Local anesthetic block of the anterior scalene muscle increases muscle height in patients with neurogenic thoracic outlet syndrome. *Ann Vasc Surg.* 2019;59:28-35.

[\[PMID: 31009716\]](#)

Thoracic Outlet Syndrome, Venous:

- Karaolanis G, Antonopoulos CN, Koutsias SG, et al. A systematic review and meta-analysis for the management of Paget-Schroetter syndrome. *J Vasc Surg Venous Lymphat Disord.* 2021;9(3):801-810.e5.

[\[PMID: 33540134\]](#)

- ★ [Illig KA, Donahue D, Duncan A, et al. Reporting standards of the Society for Vascular Surgery for thoracic outlet syndrome. J Vasc Surg. 2016;64\(3\):e23-e35.](#)

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Risk Reduction:

- ★ [Naylor AR, Ricco JB, de Borst GJ, et al. Editor's choice - management of atherosclerotic carotid and vertebral artery disease: 2017 clinical practice guidelines of the European Society for Vascular Surgery \(ESVS\). Eur J Vasc Endovasc Surg. 2018;55\(1\):3-81.](#)

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[PMID: 16179564]

- Perler BA. The effect of statin medications on perioperative and long-term outcomes following carotid endarterectomy or stenting. *Semin Vasc Surg.* 2007;20(4):252-258.

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Stent Selection:

- ★ [Mwipatayi BP, Sharma S, Daneshmand A, et al. Durability of the balloon-expandable covered versus bare-metal stents in the covered versus balloon expandable stent trial \(COBEST\) for the treatment of aortoiliac occlusive disease. *J Vasc Surg.* 2016;64\(1\):83-94.e1.](#)
[PMID: 27131926]
- Bosch JL, Hunink MG. Meta-analysis of the results of percutaneous transluminal angioplasty and stent placement for aortoiliac occlusive disease. *Radiology.* 1997;204(1):87-96.
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Varicose Veins:

- ★ [Gloviczki P, Comerota AJ, Dalsing MC, et al. The care of patients with varicose veins and associated chronic venous diseases: clinical practice guidelines of the Society for Vascular Surgery and the American Venous Forum. *J Vasc Surg.* 2011;53\(5 Suppl\):2S-48S.](#)
[PMID: 21536172]

Vena Cava Filter Removal:

- Kaufman JA, Barnes GD, Chaer RA, et al. Society of Interventional Radiology clinical practice guideline for inferior vena cava filters in the treatment of patients with venous thromboembolic disease: developed in collaboration with the American College of Cardiology, American College of Chest Physicians, American College of Surgeons Committee on Trauma, American Heart Association, Society for Vascular Surgery, and Society for Vascular Medicine. *J Vasc Interv Radiol.* 2020;31(10):1529-1544.
[PMID: 32919823]

Venous Leg Ulcer:

- ★ [O'Donnell TF Jr, Passman MA, Marston WA, et al. Management of venous leg ulcers: clinical practice guidelines of the Society for Vascular Surgery and the American Venous Forum. *J Vasc Surg.* 2014;60\(2 Suppl\):3S-59S.](#)
[PMID: 24974070]

Venous Thrombosis:

- ★ [Rodger MA, Miranda S, Delluc A, Carrier M. Management of suspected and confirmed recurrent venous thrombosis while on anticoagulant therapy. What next? *Thromb Res.* 2019;180:105-109.](#)
[PMID: 31279158]



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- Yoo T, Aggarwal R, Wang TF, Satiani B, Haurani MJ. Presence and degree of residual venous obstruction on serial duplex imaging is associated with increased risk of recurrence and progression of infrainguinal lower extremity deep venous thrombosis. *J Vasc Surg Venous Lymphat Disord*. 2018;6(5):575-583.e1.
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