Bilaga 1. Förteckning/referenslista över exkluderade studier och studier med låga bevisvärden

Kapitel 3

Ultraljudsundersökning med duplexteknik

Allard L, Langlois YE, Durand LG, Roederer GO, Beaudoin M, Cloutier G, et al. Computer analysis and pattern recognition of Doppler blood flow spectra for disease classification in the lower limb arteries. Ultrasound Med Biol 1991;17:211-23.

Back MR, Bowser AN, Schmacht DC, Johnson BL, Bandyk DF. Duplex selection facilitates single point-of-service endovascular and surgical management of aortoiliac occlusive disease. Ann Vasc Surg 2002;16:566-74.

Baxter GM, Polak JF. Lower limb colour flow imaging: a comparison with ankle: brachial measurements and angiography. Clin Radiol 1993;47:91-5.

Boström A, Karacagil S, Jonsson ML, Andren B, Östholm G. Repeat surgery without preoperative angiography in limbs with patent infrainguinal bypass grafts. Vasc Endovascular Surg 2002;36:343-50.

Boström A, Ljungman C, Hellberg A, Logason K, Bärlin T, Östholm G, Karacagil S. Duplex scanning as the sole pre-operative imaging method for infrainguinal arterial surgery. Eur J Vasc Endovasc Surg 2002;23:140-5.

Boström Ardin A, Karacagil S, Hellberg A, Ljungman C, Logason K, Östholm G. Surgical reconstruction without preoperative angiography in patients with aortoiliac occlusive disease. Ann Vasc Surg 2002;16:273-8.

Boström Ardin A, Löfberg AM, Hellberg A, Andren B, Ljungman C, Logason K, Karacagil S. Selection of patients with infrainguinal arterial occlusive disease for percutaneous transluminal angioplasty with duplex scanning. Acta Radiol 2002;43:391-5.

Coffi SB, Ubbink DT, Zwiers I, van Gurp AJ, Legemate DA. The value of the peak systolic velocity ratio in the assessment of the haemodynamic significance of sub-critical iliac artery stenoses. Eur J Vasc Endovasc Surg 2001;22:424-8.

Coffi SB, Ubbink DT, Zwiers I, van Gurp JA, Legemate DA. Improved assessment of the hemodynamic significance of borderline iliac stenoses with use of hyperemic duplex scanning. J Vasc Surg 2002;36: 575-80.

Collier P, Wilcox G, Brooks D, Laffey S, Dalton T. Improved patient selection for angioplasty utilizing color Doppler imaging. Am J Surg 1990;160:171-4.

Cossman DV, Ellison JE, Wagner WH, Carroll RM, Treiman RL, Foran RF, et al. Comparison of contrast arteriography to arterial mapping with color-flow duplex

imaging in the lower extremities. J Vasc Surg 1989;10:522-8; discussion 28-9.

Davies AH, Magee TR, Parry R, Hayward J, Murphy P, Cole SE, et al. Duplex ultrasonography and pulse-generated run-off in selecting claudicants for femoro-popliteal angioplasty. Br J Surg 1992;79:894-6.

de Smet AA, Ermers EJ, Kitslaar PJ. Duplex velocity characteristics of aortoiliac stenoses. J Vasc Surg 1996;23:628-36.

de Smet AA, Kitslaar PJ. A duplex criterion for aorto-iliac stenosis. Eur J Vasc Surg 1990;4:275-8.

Ebner C, Gschwendtner M, Dobetsberger E, Zeidler G, Böhmig HJ, Nesser HJ. [Combined duplex/color Doppler ultrasound in the assessment of outcome of interventions on peripheral arteries]. Vasa Suppl 1992;37:26.

Edwards JM, Coldwell DM, Goldman ML, Strandness DE, Jr. The role of duplex scanning in the selection of patients for transluminal angioplasty. J Vasc Surg 1991;13:69-74.

Eiberg JP, Hansen MA, Jensen F, Rasmussen JB, Schroeder TV. Ultrasound contrast-agent improves imaging of lower limb occlusive disease. Eur J Vasc Endovasc Surg 2003;25:23-8.

Eiberg JP, Madycki G, Hansen MA, Christiansen S, Grönvall Rasmussen JB, Schroeder TV. Ultrasound imaging of infrainguinal arterial disease has a high interobserver agreement. Eur J Vasc Endovasc Surg 2002;24:293-9.

Elsman BH, Legemate DA, de Vos HJ, Mali WP, Eikelboom BC. Hyperaemic colour duplex scanning for the detection of aortoiliac stenoses. A comparative study with intra-arterial pressure measurement. Eur J Vasc Endovasc Surg 1997;14:462-7.

Elsman BH, Legemate DA, van der Heyden FW, de Vos H, Mali WP, Eikelboom BC. The use of color-coded duplex scanning in the selection of patients with lower extremity arterial disease for percutaneous transluminal angioplasty: a prospective study. Cardiovasc Intervent Radiol 1996;19:313-6.

Fauvel G, Chaillou P, Lescalie F, Patra P, Planchon B. [Evaluation of a computer graphic representation of echo-Doppler (Echotrace) in the assessment of athero sclerosis of the legs]. J Mal Vasc 1996; 21:136-40.

Fletcher JP, Kershaw LZ, Chan A, Lim J. Noninvasive imaging of the superficial femoral artery using ultrasound Duplex scanning. J Cardiovasc Surg (Torino) 1990;31:364-7.

Grassbaugh JA, Nelson PR, Rzucidlo EM, Schermerhorn ML, Fillinger MF, Powell RJ, et al. Blinded comparison of preoperative duplex ultrasound scanning and contrast arteriography for planning revascularization at the level of the tibia. J Vasc Surg 2003;37:1186-90.

Hatsukami TS, Primozich JF, Zierler RE, Harley JD, Strandness DE, Jr. Color Doppler imaging of infrainguinal arterial occlusive disease. J Vasc Surg 1992;16:527-31; discussion 31-3.

Hingorani A, Ascher E, Markevich N, Kallakuri S, Schutzer R, Yorkovich W, Jacob T. A comparison of magnetic resonance angiography, contrast arteriography,

and duplex arteriography for patients undergoing lower extremity revascularization. Ann Vasc Surg 2004;18:294-301.

Hirai T, Ohishi H, Kichikawa K, Yoshimura H, Uchida H. Ultrasonographic screening for arterial occlusive disease in the pelvis and lower extremities. Radiat Med 1998;16:411-6.

Hofmann WJ, Forstner R, Kofler B, Binder K, Ugurluoglu A, Magometschnigg H. Pedal artery imaging – a comparison of selective digital subtraction angiography, contrast enhanced magnetic resonance angiography and duplex ultrasound. Eur J Vasc Endovasc Surg 2002;24:287-92.

Hofmann WJ, Walter J, Ugurluoglu A, Czerny M, Forstner R, Magometschnigg H. Preoperative high-frequency duplex scanning of potential pedal target vessels. J Vasc Surg 2004;39:169-75.

Hosten N, Puls R, Sahimbas O, Balzer J, Urbank A, Felix R. [Color doppler ultrasonography in peripheral artery occlusive disease: continuous application of a signal enhancer]. Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr 1998;169:495-8.

Jager KA, Phillips DJ, Martin RL, Hanson C, Roederer GO, Langlois YE, et al. Noninvasive mapping of lower limb arterial lesions. Ultrasound Med Biol 1985;11:515-21.

Karacagil S, Löfberg AM, Granbo A, Lörelius LE, Bergqvist D. Value of duplex scanning in evaluation of crural and foot arteries in limbs with severe lower limb ischaemia – a prospective comparison with angiography. Eur J Vasc Endovasc Surg 1996;12:300-3.

Karasch T, Rieser R, Grün B, Strauss AL, Neuerburg-Heusler D, Roth FJ, Rieger H. [Determination of the length of the occlusion in extremity arteries – color duplex ultrasound versus angiography]. Ultraschall Med 1992;13:247-54.

Koelemay MJ, Legemate DA, van Gurp J, Ponson AE, Reekers JA, Jacobs MJ. Colour duplex scanning and pulse-generated run-off for assessment of popliteal and cruropedal arteries before peripheral bypass surgery. Br J Surg 1997;84:1115-9.

Koennecke HC, Fobbe G, Hamed MM, Wolf KJ. [Diagnosis of arterial vascular diseases of the lower extremities with color-coded duplex sonography]. Rofo 1989;151:42-6.

Kohler TR, Andros G, Porter JM, Clowes A, Goldstone J, Johansen K, et al. Can duplex scanning replace arteriography for lower extremity arterial disease? Ann Vasc Surg 1990;4:280-7.

Kohler TR, Nance DR, Cramer MM, Vandenburghe N, Strandness DE, Jr. Duplex scanning for diagnosis of aortoiliac and femoropopliteal disease: a prospective study. Circulation 1987;76:1074-80.

Landwehr P, Lackner K. [Color-coded duplex sonography before and after PTA of the arteries of the lower extremities]. Rofo 1990;152:35-41.

Langholz J, Stolke O, Behrendt C, Blank B, Fessler B, Heidrich H. [Color-coded duplex ultrasound of lower leg arteries – image reliability with reference to Fontaine stages]. Ultraschall Med 1993; 14:279-84.

Langsfeld M, Nepute J, Hershey FB, Thorpe L, Auer AI, Binnington HB, et al. The use of deep duplex scanning to predict hemodynamically significant aortoiliac stenoses. J Vasc Surg 1988;7:395-9.

Legemate DA, Teeuwen C, Hoeneveld H, Eikelboom BC. How can the assessment of the hemodynamic significance of aortoiliac arterial stenosis by duplex scanning be improved? A comparative study with intraarterial pressure measurement. J Vasc Surg 1993;17:676-84.

Leiner T, Kessels AG, Nelemans PJ, Vasbinder GB, de Haan MW, Kitslaar PE, et al. Peripheral arterial disease: comparison of color duplex US and contrast-enhanced MR angiography for diagnosis. Radiology 2005;235:699-708.

Leiner T, Tordoir JH, Kessels AG, Nelemans PJ, Schurink GW, Kitslaar PJ, et al. Comparison of treatment plans for peripheral arterial disease made with multi-station contrast medium-enhanced magnetic resonance angiography and duplex ultrasound scanning. J Vasc Surg 2003;37:1255-62.

Leng GC, Whyman MR, Donnan PT, Ruckley CV, Gillespie I, Fowkes FG, Allan PL. Accuracy and reproducibility of duplex ultrasonography in grading femoropopliteal stenoses. J Vasc Surg 1993;17:510-7.

Ligush J, Jr, Reavis SW, Preisser JS, Hansen KJ. Duplex ultrasound scanning defines operative strategies for patients with limb-threatening ischemia. J Vasc Surg 1998; 28:482-90; discussion 90-1.

Linke RJ, Davies RP, Giles AJ, Walsh JA, Thompson BW. Colour duplex ultrasound: a screening modality for femoropopliteal disease in patients with intermittent claudication. Australas Radiol 1994;38: 320-3.

Löfberg AM, Karacagil S, Hellberg A, Boström A, Ljungman C, Östholm G. The role of duplex scanning in the selection of patients with critical lower-limb ischemia for infrainguinal percutaneous transluminal angioplasty. Cardiovasc Intervent Radiol 2001;24:229-32.

Mazzariol F, Ascher E, Salles-Cunha SX, Gade P, Hingorani A. Values and limitations of duplex ultrasonography as the sole imaging method of preoperative evaluation for popliteal and infrapopliteal bypasses. Ann Vasc Surg 1998;13:1-10.

McCarthy MJ, Nydahl S, Hartshorne T, Naylor AR, Bell PR, London NJ. Colour-coded duplex imaging and dependent Doppler ultrasonography in the assessment of cruropedal vessels. Br J Surg 1999;86: 33-7.

McShane MD, Gazzard VM, Clifford PC, Hacking CN, Fairhurst JJ, Humphries KN, et al. Duplex ultrasound assessment of femorodistal grafts: correlation with angiography. Eur J Vasc Surg 1987;1:409-14.

Metz V, Braunsteiner A, Grabenwöger F, Dock W. [Color-coded Doppler sonography of the pelvic-leg arteries: assessment of the value of the method in comparison with angiography]. Vasa Suppl 1988;26: 28-9.

Moneta GL, Yeager RA, Antonovic R, Hall LD, Caster JD, Cummings CA, Porter JM. Accuracy of lower extremity arterial duplex mapping. J Vasc Surg 1992;15:275-83; discussion 83-4.

Moneta GL, Yeager RA, Lee RW, Porter JM. Noninvasive localization of arterial occlusive disease: a comparison of segmental Doppler pressures and arterial duplex mapping. J Vasc Surg 1993;17:578-82.

Mulligan SA, Matsuda T, Lanzer P, Gross GM, Routh WD, Keller FS, et al. Peripheral arterial occlusive disease: prospective comparison of MR angiography and color duplex US with conventional angiography. Radiology 1991;178:695-700.

Nyamekye I, Sommerville K, Raphael M, Adiseshiah M, Bishop C. Non-invasive assessment of arterial stenoses in angioplasty surveillance: a comparison with angiography. Eur J Vasc Endovasc Surg 1996;12:471-81.

Nzeh DA, Allan PL, McBride K, Gillespie I, Ruckley CV. Comparison of colour Doppler ultrasound and digital subtraction angiography in the diagnosis of lower limb arterial disease. Afr J Med Med Sci 1998;28:177-80.

Polak JF, Donaldson MC, Dobkin GR, Mannick JA, O'Leary DH. Early detection of saphenous vein arterial bypass graft stenosis by color-assisted duplex sonography: a prospective study. AJR Am J Roentgenol 1990;154:857-61.

Polak JF, Karmel MI, Mannick JA, O'Leary DH, Donaldson MC, Whittemore AD. Determination of the extent of lower-extremity peripheral arter-ial disease with color-assisted duplex sono-graphy: comparison with angiography. AJR Am J Roentgenol 1990;155:1085-9.

Polak JF, Karmel MI, Meyerovitz MF. Accuracy of color Doppler flow mapping for evaluation of the severity of femoropopliteal arterial disease: a prospective study. J Vasc Interv Radiol 1991;2:471-6; discussion 76-9.

Rathenborg LK, Hill-Madsen B, Felthus JL, Jansen VD, Just SR, Sillesen HH. [Validation of Doppler ultrasonographic scanning for the detection of stenoses in peripheral vascular reconstructions]. Ugeskr Laeger 2003;165:2096-8.

Rosenfield K, Kelly SM, Fields CD, Pastore JO, Weinstein R, Palefski P, et al. Noninvasive assessment of peripheral vascular disease by color flow Doppler/two-dimensional ultrasound. Am J Cardiol 1989;64:247-51.

Rosfors S, Eriksson M, Höglund N, Johansson G. Duplex ultrasound in patients with suspected aorto-iliac occlusive disease. Eur J Vasc Surg 1993;7:513-7.

Sacks D, Robinson ML, Marinelli DL, Perlmutter GS. Peripheral arterial Doppler ultrasonography: diagnostic criteria. J Ultrasound Med 1992;11:95-103.

Sensier Y, Fishwick G, Owen R, Pemberton M, Bell PR, London NJ. A comparison between colour duplex ultrasonography and arteriography for imaging infrapopliteal arterial lesions. Eur J Vasc Endovasc Surg 1998;15:44-50.

Sensier YJ, Thrush AJ, Loftus I, Evans DH, London NJ. A comparison of colour duplex ultrasonography, papaverine testing and common femoral Doppler waveform analysis for assessment of the aorto-iliac arteries. Eur J Vasc Endovasc Surg 2000; 20:29-35.

Shaalan WE, French-Sherry E, Castilla M, Lozanski L, Bassiouny HS. Reliability of common femoral artery hemodynamics in

assessing the severity of aortoiliac inflow disease. J Vasc Surg 2003;37:960-9.

Sokolovich AG, Myznikov AV, Moskov DV. Ultrasound visualization of the popliteotibial arterial segment. Angiol Vasc Surg 2003;9:58-63.

Soule B, Hingorani A, Ascher E, Kallakuri S, Yorkovich W, Markevich N, et al. Comparison of Magnetic Resonance Angiography (MRA) and Duplex Ultrasound Arterial Mapping (DUAM) prior to infrainguinal arterial reconstruction. Eur J Vasc Endovasc Surg 2003;25:139-46.

Strauss AL, Roth FJ, Rieger H. [Contribution of duplex sonography to prediction of pressure drop across iliac artery stenoses]. Vasa Suppl 1991;33:210-1.

Toursarkissian B, D'Ayala M, Shireman PK, Schoolfield J, Sykes MT. Lower extremity bypass graft revision in diabetics. Vasc Surg 2001;35:369-77.

Uberoi R, Sarker B, Coleman J, Mudawi A, Ashour H. Duplex follow-up of aortoiliac stents. Eur J Vasc Endovasc Surg 2002;23:331-5.

van der Heijden FH, Legemate DA, van Leeuwen MS, Mali WP, Eikelboom BC. Value of Duplex scanning in the selection of patients for percutaneous transluminal angioplasty. Eur J Vasc Surg 1993;7:71-6.

van der Zaag ES, Legemate DA, Nguyen T, Balm R, Jacobs MJ. Aortoiliac reconstructive surgery based upon the results of duplex scanning. Eur J Vasc Endovasc Surg 1998;16:383-9.

Vashisht R, Ellis MR, Skidmore C, Blair SD, Greenhalgh RM, O'Malley MK. Colour-coded duplex ultrasonography in the selection of patients for endovascular surgery. Br J Surg 1992;79:1030-1.

Whiteley MS, Fox AD, Harris RA, Horrocks M. Iso-osmotic bowel preparation improves the accuracy of iliac artery colour flow duplex examination. J R Soc Med 1995;88:657P-60P.

Whyman MR, Gillespie I, Ruckley CV, Allan PL, Fowkes FG. Screening patients with claudication from femoropopliteal disease before angioplasty using Doppler colour flow imaging. Br J Surg 1992;79:907-9.

Willmann JK, Mayer D, Banyai M, Desbiolles LM, Verdun FR, Seifert B, et al. Evaluation of peripheral arterial bypass grafts with multi-detector row CT angiography: comparison with duplex US and digital subtraction angiography. Radiology 2003;229:465-74.

Winter-Warnars HA, van der Graaf Y, Mali W. Ankle-arm index, angiography, and duplex ultrasonography after recanalization of occlusions in femoropopliteal arteries: comparison of long-term results. Cardiovasc Intervent Radiol 1996;19:234-8.

Vroegindeweij D, Tielbeek AV, Buth J, van Kints MJ, Landman GH, Mali WP. Recanalization of femoropopliteal occlusive lesions: a comparison of long-term clinical, color duplex US, and arteriographic follow-up. J Vasc Interv Radiol 1995;6:331-7.

Magnetisk resonans arteriografi och Datortomografisk arteriografi

Baumgartner I, Maier SE, Koch M, Schneider E, von Schulthess GK, Bollinger A. [Magnetic resonance arteriography,

duplex sonography and conventional arteriography for the evaluation of peripheral arterial occlusive disease]. Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr 1993;159:167-73.

Bendib K, Berthezene Y, Croisille P, Villard J, Douek PC. Assessment of complicated arterial bypass grafts: value of contrast-enhanced subtraction magnetic resonance angiography. J Vasc Surg 1997;26:1036-42.

Beregi JP, Djabbari M, Desmoucelle F, Willoteaux S, Wattinne L, Louvegny S. Popliteal vascular disease: evaluation with spiral CT angiography. Radiology 1997;203:477-83.

Bertschinger K, Cassina PC, Debatin JF, Ruehm SG. Surveillance of peripheral arterial bypass grafts with three-dimensional MR angiography: comparison with digital subtraction angiography. AJR Am J Roentgenol 2001;176:215-20.

Bezooijen R, van den Bosch HC, Tielbeek AV, Thelissen GR, Visser K, Hunink MG, et al. Peripheral arterial disease: sensitivity-encoded multiposition MR angiography compared with intraarterial angiography and conventional multiposition MR angiography. Radiology 2004;231:263-71.

Binkert CA, Baker PD, Petersen BD, Szumowski J, Kaufman JA. Peripheral vascular disease: blinded study of dedicated calf MR angiography versus standard bolus-chase MR angiography and film hard-copy angiography. Radiology 2004;232:860-6.

Boos M, Schlegel E, Cramer BM. [Magnitude contrast angiography in peripheral arterial occlusive disease of the lower extremities]. Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr 1995;163:45-52.

Bourlet P, De Fraissinnette B, Garcier JM, Lipiecka E, Privat C, Ravel A, et al. [Comparative assessment of helical CT-angiography, 2D TOF MR-angiography and 3D gadolinium enhanced MRA in aorto-iliac occlusive disease]. J Radiol 2000;81:1619-25.

Brillet PY, Tassart M, Bazot M, Le Blanche AF, Allaire E, Boudghene F. [Investigation of peripheral vascular bed in critical lower limb ischemia: comparative study between arteriography and magnetic resonance angiography]. J Mal Vasc 2001;26:31-8.

Busch HP, Hoffmann HG, Metzner C, Oettinger W. [MR angiography of the lower extremities with an automatic table translation (Mobitrak) compared to i.a. DSA]. Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr 1999;170:275-83.

Cambria RP, Yucel EK, Brewster DC, L'Italien G, Gertler JP, LaMuraglia GM, et al. The potential for lower extremity revascularization without contrast arteriography: experience with magnetic resonance angiography. J Vasc Surg 1993;17:1050-6; discussion 56-7.

Carpenter JP, Baum RA, Holland GA, Barker CF. Peripheral vascular surgery with magnetic resonance angiography as the sole preoperative imaging modality. J Vasc Surg 1994;20:861-9; discussion 69-71.

Carpenter JP, Golden MA, Barker CF, Holland GA, Baum RA. The fate of bypass grafts to angiographically occult runoff vessels detected by magnetic resonance angiography. J Vasc Surg 1996;23:483-9.

Catalano C, Napoli A, Fraioli F, Venditti F, Votta V, Passariello R. Multidetector-row CT angiography of the infrarenal aortic

and lower extremities arterial disease. Eur Radiol 2003;13 Suppl 5:M88-93.

Cronberg CN, Sjoberg S, Albrechtsson U, Leander P, Lindh M, Norgren L, et al. Peripheral arterial disease. Contrast-enhanced 3D MR angiography of the lower leg and foot compared with conventional angiography. Acta Radiol 2003;44:59-66.

Davis CP, Schopke WD, Seifert B, Schneider E, Pfammatter T, Debatin JF. MR angiography of patients with peripheral arterial disease before and after transluminal angioplasty. AJR Am J Roentgenol 1997;168:1027-34.

de Vries M, Nijenhuis RJ, Hoogeveen RM, de Haan MW, van Engelshoven JM, Leiner T. Contrast-enhanced peripheral MR angiography using SENSE in multiple stations: feasibility study. J Magn Reson Imaging 2005;21:37-45.

Dorenbeck U, Seitz J, Volk M, Strotzer M, Lenhart M, Feuerbach S, Link J. Evaluation of arterial bypass grafts of the pelvic and lower extremities with gadolinium-enhanced magnetic resonance angiography: comparison with digital subtraction angiography. Invest Radiol 2002;37:60-4.

Dorweiler B, Neufang A, Kreitner KF, Schmiedt W, Oelert H. Magnetic resonance angiography unmasks reliable target vessels for pedal bypass grafting in patients with diabetes mellitus. J Vasc Surg 2002;35:766-72.

Eklof H, Smedby O, Ljungman C, Karacagil S, Bergqvist D, Ahlstrom H. 2D inflow MR angiography in severe chronic leg ischemia. Acta Radiol 1998;39:663-8.

Errington ML, Ferguson JM, Gillespie IN, Connell HM, Ruckley CV, Wright AR. Complete pre-operative imaging assessment of abdominal aortic aneurysm with spiral CT angiography. Clin Radiol 1997;52: 369-77.

Glickerman DJ, Obregon RG, Schmiedl UP, Harrison SD, Macaulay SE, Simon HE, Kohler TR. Cardiac-gated MR angiography of the entire lower extremity: a prospective comparison with conventional angiography. AJR Am J Roentgenol 1996;167:445-51.

Hany TF, Debatin JF, Leung DA, Pfammatter T. Evaluation of the aortoiliac and renal arteries: comparison of breath-hold, contrast-enhanced, three-dimensional MR angiography with conventional catheter angiography. Radiology 1997;204: 357-62.

Hany TF, Schmidt M, Davis CP, Gohde SC, Debatin JF. Diagnostic impact of four postprocessing techniques in evaluating contrast-enhanced three-dimensional MR angiography. AJR Am J Roentgenol 1998;170:907-12.

Hertz SM, Baum RA, Owen RS, Holland GA, Logan DR, Carpenter JP. Comparison of magnetic resonance angiography and contrast arteriography in peripheral arterial stenosis. Am J Surg 1993;166:112-6; discussion 16.

Heuschmid M, Krieger A, Beierlein W, Luz O, Kuettner A, Kopp AF, et al. Assessment of peripheral arterial occlusive disease: comparison of multislice-CT angiography (MS-CTA) and intraarterial digital subtraction angiography (IA-DSA). Eur J Med Res 2003;8:389-96.

Hingorani A, Ascher E, Markevich N, Kallakuri S, Schutzer R, Yorkovich W, Jacob T. A comparison of magnetic reso-

nance angiography, contrast arteriography, and duplex arteriography for patients undergoing lower extremity revascularization. Ann Vasc Surg 2004;18:294-301.

Ho KY, de Haan MW, Kessels AG, Kitslaar PJ, van Engelshoven JM. Peripheral vascular tree stenoses: detection with subtracted and nonsubtracted MR angiography. Radiology 1998;206:673-81.

Ho KY, de Haan MW, Oei TK, Koster D, Kessels AG, Janevski BK, et al. MR angiography of the iliac and upper femoral arteries using four different inflow techniques. AJR Am J Roentgenol 1997;169:45-53.

Ho KY, Leiner T, de Haan MW, Kessels AG, Kitslaar PJ, van Engelshoven JM. Peripheral vascular tree stenoses: evaluation with moving-bed infusion-tracking MR angiography. Radiology 1998;206: 683-92.

Hoch JR, Kennell TW, Hollister MS, Sproat IA, Swan JS, Acher CW, et al. Comparison of treatment plans for lower extremity arterial occlusive disease made with electrocardiography-triggered two-dimensional time-of-flight magnetic resonance angiography and digital sub traction angiography. Am J Surg 1999; 178:166-72.

Hofmann WJ, Forstner R, Kofler B, Binder K, Ugurluoglu A, Magometschnigg H. Pedal artery imaging – a comparison of selective digital subtraction angiography, contrast enhanced magnetic resonance angiography and duplex ultrasound. Eur J Vasc Endovasc Surg 2002;24:287-92.

Huber A, Heuck A, Baur A, Helmberger T, Waggershauser T, Billing A, et al. Dynamic contrast-enhanced MR angiography from the distal aorta to the ankle joint with a step-by-step technique. AJR Am J Roentgenol 2000;175:1291-8.

Ishikawa M, Morimoto N, Sasajima T, Kubo Y. Three-dimensional computed tomographic angiography in lower extremity revascularization. Surg Today 1999;29:243-7.

Janka R, Fellner C, Wenkel E, Lang W, Bautz W, Fellner FA. Contrast-enhanced MR angiography of peripheral arteries including pedal vessels at 1.0 T: feasibility study with dedicated peripheral angiography coil. Radiology 2005;235:319-26.

Jones L, Pressdee DJ, Lamont PM, Baird RN, Murphy KP. A phase contrast (PC) rephase/dephase sequence of magnetic resonance angiography (MRA): a new technique for imaging distal run-off in the pre-operative evaluation of peripheral vascular disease. Clin Radiol 1998;53: 333-7.

Kalden P, Kreitner KF, Oberholzer K, Pitton M, Krummenauer F, Requardt M, Thelen M. [Contrast media-enhanced 3D MR angiography of peripheral arteries using an automatic tracking technique at 1.0 Tesla]. Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr 2000;172:978-84.

Krause UJ, Pabst T, Kenn W, Wittenberg G, Hahn D. Time-resolved contrast-enhanced magnetic resonance angiography of the lower extremity. Angiology 2004;55:119-25.

Kreitner KF, Kalden P, Neufang A, Duber C, Krummenauer F, Kustner E, et al. Diabetes and peripheral arterial occlusive disease: prospective comparison of contrast-enhanced three-dimensional MR angiography with conventional digital subtrac-

tion angiography. AJR Am J Roentgenol 2000;174:171-9.

Krug B, Kugel H, Harnischmacher U, Heindel W, Fischbach R, Altenburg A, Krings F. Diagnostic performance of digital subtraction angiography (DSA) and magnetic resonance angiography (MRA): preliminary results in vascular occlusive disease of the abdominal and lower-extremity arteries. Eur J Radiol 1995;19:77-85.

Laissy JP, Debray MP, Menegazzo D, Rangheard AS, Benamer H, Charlier P, Schouman-Claeys E. Prospective evaluation of peripheral arterial occlusive disease by 2D MR subtraction angiography. J Magn Reson Imaging 1998;8:1060-5.

Laissy JP, Limot O, Henry-Feugeas MC, Karrillon G, Hackworth CA, Julliard JM, et al. Iliac artery patency before and immediately after percutaneous transluminal angioplasty: assessment with time-of-flight MR angiography. Radiology 1995;197: 455-9.

Lawrence JA, Kim D, Kent KC, Stehling MK, Rosen MP, Raptopoulos V. Lower extremity spiral CT angiography versus catheter angiography. Radiology 1995;194:903-8.

Leiner T, Kessels AG, Nelemans PJ, Vasbinder GB, de Haan MW, Kitslaar PE, et al. Peripheral arterial disease: comparison of color duplex US and contrast-enhanced MR angiography for diagnosis. Radiology 2005;235:699-708.

Lenhart M, Djavidani B, Volk M, Strotzer M, Manke C, Requardt M, et al. [Contrast medium-enhanced MR angiography of the pelvic and leg vessels with an automated table-feed technique]. Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr 1999;171:442-9.

Lenhart M, Herold T, Volk M, Seitz J, Manke C, Zorger N, et al. [Contrast media-enhanced MR angiography of the lower extremity arteries using a dedicated peripheral vascular coil system. First clinical results]. Rofo 2000;172:992-9.

Levy MM, Baum RA, Carpenter JP. Endovascular surgery based solely on noninvasive preprocedural imaging. J Vasc Surg 1998;28:995-1003; discussion 03-5.

Leyendecker JR, Elsass KD, Johnson SP, Diffin DC, Cull DL, Light JT, Dawson DL. The role of infrapopliteal MR angiography in patients undergoing optimal contrast angiography for chronic limb-threatening ischemia. J Vasc Interv Radiol 1998;9:545-51.

Leyendecker JR, Johnson SP, Diffin DC, Elsass K, Bifano SL. Time-of-flight MR arteriography of below-knee arteries with maximum-intensity-projection reconstruction: is interpretation of the axial source images helpful? AJR Am J Roentgenol 1997;169:1145-9.

Link J, Steffens JC, Brossmann J, Graessner J, Hackethal S, Heller M. Iliofemoral arterial occlusive disease: contrast-enhanced MR angiography for preinterventional evaluation and follow-up after stent placement. Radiology 1999;212:371-7.

Loewe C, Cejna M, Lammer J, Thurnher SA. Contrast-enhanced magnetic resonance angiography in the evaluation of peripheral bypass grafts. Eur Radiol 2000;10:725-32.

Loewe C, Cejna M, Schoder M, Loewe-Grgurin M, Wolf F, Lammer J, Thurnher SA. Contrast material-enhanced, moving-table MR angiography versus digital subtraction angiography for surveillance of peripheral arterial bypass grafts. J Vasc Interv Radiol 2003;14:1129-37.

Loewe C, Schoder M, Rand T, Hoffmann U, Sailer J, Kos T, et al. Peripheral vascular occlusive disease: evaluation with contrast-enhanced moving-bed MR angiography versus digital subtraction angiography in 106 patients. AJR Am J Roentgenol 2002;179:1013-21.

Lundin P, Svensson A, Henriksen E, Jonason T, Forssell C, Backbro B, et al. Imaging of aortoiliac arterial disease. Duplex ultrasound and MR angiography versus digital subtraction angiography. Acta Radiol 2000;41:125-32.

McCauley TR, Monib A, Dickey KW, Clemett J, Meier GH, Egglin TK, et al. Peripheral vascular occlusive disease: accuracy and reliability of time-of-flight MR angiography. Radiology 1994;192:351-7.

Meaney JF, Ridgway JP, Chakraverty S, Robertson I, Kessel D, Radjenovic A, et al. Stepping-table gadolinium-enhanced digital subtraction MR angiography of the aorta and lower extremity arteries: preliminary experience. Radiology 1999;211:59-67.

Meindl T, Berger K, Knollmann F, Zurbrugg H, Maurer J. [Cost-utility analysis of contrast-enhanced MR angiography with automated table-translation for diagnosis and therapy planning in patients with peripheral vascular disease]. Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr 2003;175:981-90.

Meissner OA, Rieger J, Weber C, Siebert U, Steckmeier B, Reiser MF, Schoenberg SO. Critical limb ischemia: hybrid MR angiography compared with DSA. Radiology 2005;235:308-18.

Mesurolle B, Qanadli SD, El Hajjam M, Goeau-Brissonniere OA, Mignon F, Lacombe P. Occlusive arterial disease of abdominal aorta and lower extremities: comparison of helical CT angiography with transcatheter angiography. Clin Imaging 2004;28:252-60.

Mitsuzaki K, Yamashita Y, Sakaguchi T, Ogata I, Takahashi M, Hiai Y. Abdomen, pelvis, and extremities: diagnostic accuracy of dynamic contrast-enhanced turbo MR angiography compared with conventional angiography-initial experience. Radiology 2000;216:909-15.

Mulligan SA, Matsuda T, Lanzer P, Gross GM, Routh WD, Keller FS, et al. Peripheral arterial occlusive disease: prospective comparison of MR angiography and color duplex US with conventional angiography. Radiology 1991;178:695-700.

Ota H, Takase K, Igarashi K, Chiba Y, Haga K, Saito H, Takahashi S. MDCT compared with digital subtraction angiography for assessment of lower extremity arterial occlusive disease: importance of reviewing cross-sectional images. AJR Am J Roentgenol 2004;182:201-9.

Owen RS, Baum RA, Carpenter JP, Holland GA, Cope C. Symptomatic peripheral vascular disease: selection of imaging parameters and clinical evaluation with MR angiography. Radiology 1993;187:627-35.

Owen RS, Carpenter JP, Baum RA, Perloff LJ, Cope C. Magnetic resonance imaging of angiographically occult runoff vessels in peripheral arterial occlusive disease. N Engl J Med 1992;326:1577-81.

Pandharipande PV, Lee VS, Reuss PM, Charles HW, Rosen RJ, Krinsky GA, et al. Two-station bolus-chase MR angiography with a stationary table: a simple alternative to automated-table techniques. AJR Am J Roentgenol 2002;179:1583-9.

Perrier E, Dubayle P, Boyer B, Mousseaux E, Larroque P, Vergos M, Fiessinger JN. [Comparison of magnetic resonance angiography with injection of gadolinium and conventional arteriography of the ilio-femoral arteries]. J Radiol 1998;79:1493-8.

Poon E, Yucel EK, Pagan-Marin H, Kayne H. Iliac artery stenosis measurements: comparison of two-dimensional time-of-flight and three-dimensional dynamic gadolinium-enhanced MR angiography. AJR Am J Roentgenol 1997;169:1139-44.

Puls R, Knollmann F, Werk M, Gebauer B, Gaffke G, Steinkamp H, et al. [Multislice spiral CT: 3D CT angiography for evaluating therapeutically relevant stenosis in peripheral arterial occlusive disease]. Rontgenpraxis 2001;54:141-7.

Quinn SF, Demlow TA, Hallin RW, Eidemiller LR, Szumowski J. Femoral MR angiography versus conventional angiography: preliminary results. Radiology 1993;189:181-4.

Quinn SF, Sheley RC, Szumowski J, Shimakawa A. Evaluation of the iliac arteries: comparison of two-dimensional time of flight magnetic resonance angiography with cardiac compensated fast gradient recalled echo and contrast-enhanced three-dimensional time of flight magnetic resonance angiography. J Magn Reson Imaging 1997;7:197-203.

Raptopoulos V, Rosen MP, Kent KC, Kuestner LM, Sheiman RG, Pearlman JD. Sequential helical CT angiography of aortoiliac disease. AJR Am J Roentgenol 1996;166:1347-54.

Reid SK, Pagan-Marin HR, Menzoian JO, Woodson J, Yucel EK. Contrast-enhanced moving-table MR angiography: prospective comparison to catheter arteriography for treatment planning in peripheral arterial occlusive disease. J Vasc Interv Radiol 2001;12:45-53.

Reimer P, Wilhelm M, Lentschig M, Wortler K, Boettger U, Heinecke A, et al. [Phase-contrast MR angiography of the lower extremity. Comparison of methods and clinical application]. Radiologe 1997;37:572-8.

Reimer P, Wilhelm M, Lentschig M, Wortler K, Marx C, Allkemper T, et al. [Combined use of ECK-triggered 2D-phase contrast MR angiography and 2D-time-of-flight MR angiography for planning and follow up before and after vascular intervention of pelvic and leg arteries]. Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr 1998;168:243-9.

Richter CS, Biamino G, Niemann VT, Ragg C, Felix R. [CT angiography and arterial DSA in the evaluation of occlusive processes in pelvic arteries. Initial results]. Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr 1994;161:154-60.

Rieker O, Duber C, Neufang A, Pitton M, Schweden F, Thelen M. CT angiography

versus intraarterial digital subtraction angiography for assessment of aortoiliac occlusive disease. AJR Am J Roentgenol 1997;169:1133-8.

Rieker O, Mildenberger P, Neufang A, von Zitzewitz H, Schweden F, Thelen M. [CT angiography in arterial occlusive disease: comparison of 3 rendering techniques]. Rofo 1997;167:361-70.

Rofsky NM, Johnson G, Adelman MA, Rosen RJ, Krinsky GA, Weinreb JC. Peripheral vascular disease evaluated with reduced-dose gadolinium-enhanced MR angiography. Radiology 1997;205:163-9.

Romano M, Amato B, Markabaoui K, Tamburrini O, Salvatore M. Follow-up of patients with previous vascular interventions: role of multidetector row computed tomographic angiography of the abdominal aorta and lower extremities. J Cardiovasc Surg (Torino) 2004;45:89-91.

Romano M, Amato B, Markabaoui K, Tamburrini O, Salvatore M. Multidetector row computed tomographic angiography of the abdominal aorta and lower limbs arteries. A new diagnostic tool in patients with peripheral arterial occlusive disease. Minerva Cardioangiol 2004;52:9-17.

Ruehm SG, Nanz D, Baumann A, Schmid M, Debatin JF. 3D contrast-enhanced MR angiography of the run-off vessels: value of image subtraction. J Magn Reson Imaging 2001;13:402-11.

Sarkar R, Ro KM, Obrand DI, Ahn SS. Lower extremity vascular reconstruction and endovascular surgery without preoperative angiography. Am J Surg 1998;176:203-7.

Schafer FK, Schafer PJ, Jahnke T, Walluscheck K, Priebe M, Hentsch A, et al. [First clinical results in a study of contrast enhanced magnetic resonance angiography with the 1.0 molar gadobutrol in peripheral arterial occlusive disease – comparison to intraarterial DSA]. Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr 2003;175:556-64.

Schoenberg SO, Essig M, Hallscheidt P, Sharafuddin MJ, Stolpen AH, Knopp MV, Yuh WT. Multiphase magnetic resonance angiography of the abdominal and pelvic arteries: results of a bicenter multireader analysis. Invest Radiol 2002;37:20-8.

Sharafuddin MJ, Wroblicka JT, Sun S, Essig M, Schoenberg SO, Yuh WT. Percutaneous vascular intervention based on gadolinium-enhanced MR angiography. J Vasc Interv Radiol 2000;11:739-46.

Sivananthan UM, Ridgway JP, Bann K, Verma SP, Cullingworth J, Ward J, Rees MR. Fast magnetic resonance angiography using turbo-FLASH sequences in advanced aortoiliac disease. Br J Radiol 1993;66:1103-10.

Snidow JJ, Aisen AM, Harris VJ, Trerotola SO, Johnson MS, Sawchuk AP, Dalsing MC. Iliac artery MR angiography: comparison of three-dimensional gadolinium-enhanced and two-dimensional time-of-flight techniques. Radiology 1995;196:371-8.

Snidow JJ, Johnson MS, Harris VJ, Margosian PM, Aisen AM, Lalka SG, et al. Three-dimensional gadolinium-enhanced MR angiography for aortoiliac inflow assessment plus renal artery screening in a single breath hold. Radiology 1996;198:725-32.

Soule B, Hingorani A, Ascher E, Kallakuri S, Yorkovich W, Markevich N, et al. Comparison of Magnetic Resonance Angiography (MRA) and Duplex Ultrasound Arterial Mapping (DUAM) prior to infrainguinal arterial reconstruction. Eur J Vasc Endovasc Surg 2003;25:139-46.

Storto ML, Battista D. Advances in vascular and cardiac MDCT imaging: peripheral arteries. Eur Radiol 2003;13:N59-62.

Sueyoshi E, Sakamoto I, Matsuoka Y, Hayashi H, Hayashi K. Symptomatic peripheral vascular tree stenosis. Comparison of subtracted and nonsubtracted 3D contrast-enhanced MR angiography with fat suppression. Acta Radiol 2000;41: 133-8.

Sueyoshi E, Sakamoto I, Matsuoka Y, Ogawa Y, Hayashi H, Hashmi R, Hayashi K. Aortoiliac and lower extremity arteries: comparison of three-dimensional dynamic contrast-enhanced subtraction MR angiography and conventional angiography. Radiology 1999;210:683-8.

Swan JS, Kennell TW, Acher CW, Heisey DM, Grist TM, Korosec FR, Hagenauer ME. Magnetic resonance angiography of aorto-iliac disease. Am J Surg 2000;180: 6-12.

Tins B, Oxtoby J, Patel S. Comparison of CT angiography with conventional arterial angiography in aortoiliac occlusive disease. Br J Radiol 2001;74:219-25.

Torreggiani WC, Varghese J, Haslam P, McGrath F, Munk PL, Lee MJ. Prospective comparison of MRA with catheter angiography in the assessment of patients with aortoiliac occlusion before surgery or endovascular therapy. Clin Radiol 2002;57:625-31.

Walter F, Leyder B, Fays J, Bronner J, Lehalle B, Blum A, Roland J. [Value of arteriography scanning in lower limb artery evaluation: a preliminary study]. J Radiol 2001;82:473-9.

Weishaupt D, Ruhm SG, Binkert CA, Schmidt M, Patak MA, Steybe F, et al. Equilibrium-phase MR angiography of the aortoiliac and renal arteries using a blood pool contrast agent. AJR Am J Roentgenol 2000;175:189-95.

Wikstrom J, Holmberg A, Johansson L, Lofberg AM, Smedby O, Karacagil S, Ahlstrom H. Gadolinium-enhanced magnetic resonance angiography, digital subtraction angiography and duplex of the iliac arteries compared with intra-arterial pressure gradient measurements. Eur J Vasc Endovasc Surg 2000;19:516-23.

Willmann JK, Mayer D, Banyai M, Desbiolles LM, Verdun FR, Seifert B, et al. Evaluation of peripheral arterial bypass grafts with multi-detector row CT angiography: comparison with duplex US and digital subtraction angiography. Radiology 2003;229:465-74.

Winchester PA, Lee HM, Khilnani NM, Wang Y, Trost DW, Bush HL, Jr, Sos TA. Comparison of two-dimensional MR di gital subtraction angiography of the lower extremity with x-ray angiography. J Vasc Interv Radiol 1998;9:891-9; discussion 900.

Winterer JT, Schaefer O, Uhrmeister P, Zimmermann-Paul G, Lehnhardt S, Altehoefer C, Laubenberger J. Contrast

enhanced MR angiography in the assessment of relevant stenoses in occlusive disease of the pelvic and lower limb arteries: diagnostic value of a two-step examination protocol in comparison to conventional DSA. Eur J Radiol 2002;41:153-60.

Wolosker N, Nakano L, D'Hippolito G, Rosoky RA, Borri ML, Wolosker AM. Gadolinium magnetic angioresonance in the study of aortoiliac disease. Angiology 2003;54:163-8.

Vosshenrich R, Castillo E, Kopka L, Rodenwaldt J, Grabbe E. [Contrast media-enhanced 3D MR angiography of the peripheral vessels using a "tracking technique": preliminary results]. Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr 1998;168:90-4.

Vosshenrich R, Fischer U, Funke M, Grabbe E. [2-D-time-of-flight MR angiography of the peripheral blood vessels. Experimental and clinical studies on value of this method in arterial occlusive diseases]. Rofo 1996;164:25-30.

Vosshenrich R, Kopka L, Castillo E, Bottcher U, Graessner J, Grabbe E. Electro-cardiograph-triggered two-dimensional time-of-flight versus optimized contrast-enhanced three-dimensional MR angio-graphy of the peripheral arteries. Magn Reson Imaging 1998; 16:887-92.

Yamashita Y, Mitsuzaki K, Ogata I, Takahashi M, Hiai Y. Three-dimensional high-resolution dynamic contrast-enhanced MR angiography of the pelvis and lower extremities with use of a phased array coil and subtraction: diagnostic accuracy. J Magn Reson Imaging 1998;8:1066-72.

Yoshikawa K, Sugimura K, Kawamitsu H, Ishida T. Intrapelvic two-dimensional time-of-flight magnetic resonance angiography in healthy and diseased subjects. Br J Radiol 1994;67:140-6.

Yucel EK, Dumoulin CL, Waltman AC. MR angiography of lower-extremity arterial disease: preliminary experience. J Magn Reson Imaging 1992;2:303-9.

Yucel EK, Kaufman JA, Geller SC, Waltman AC. Atherosclerotic occlusive disease of the lower extremity: prospective evaluation with two-dimensional time-of-flight MR angiography. Radiology 1993;187:637-41.

Zhang HL, Khilnani NM, Prince MR, Winchester PA, Golia P, Veit P, et al. Diagnostic accuracy of time-resolved 2D projection MR angiography for sympto matic infrapopliteal arterial occlusive disease. AJR Am J Roentgenol 2005;184: 938-47.

Kapitel 4

Behandling med blodtrycks-sänkande läkemedel

Major cardiovascular events in hypertensive patients randomized to doxazosin vs chlorthalidone: the antihypertensive and lipid-lowering treatment to prevent heart attack trial (ALLHAT). ALLHAT Collaborative Research Group. JAMA 2000;283:1967-75.

Bogaert MG, Clement DL. Lack of influence of propranolol and metoprolol on walking distance in patients with chronic intermittent claudication. Eur Heart J 1983;4:203-4.

Bosch J, Yusuf S, Pogue J, Sleight P, Lonn E, Rangoonwala B, et al. Use of ramipril in preventing stroke: double blind randomised trial. BMJ 2002;324:699-702.

Diehm C, Jacobsen O, Amendt K. The effects of tertatolol on lipid profile. Cardiology 1993;83 Suppl 1:32-40.

Hiatt WR, Stoll S, Nies AS. Effect of beta-adrenergic blockers on the peripheral circulation in patients with peripheral vascular disease. Circulation 1985;72:1226-31.

Lewis P, Psaila JV, Davies WT, Morgan RH, Woodcock JP. Nifedipine in patients with peripheral vascular disease. Eur J Vasc Surg 1989;3:159-64.

Lip GYH, Makin AJ. Treatment of hypertension in peripheral arterial disease. Cochrane Database of Systematic Reviews 2003, Issue 2. Art. No.: CD003075. DOI: 10.1002/14651858.CD003075.

Mehler PS, Coll JR, Estacio R, Esler A, Schrier RW, Hiatt WR. Intensive blood pressure control reduces the risk of cardiovascular events in patients with peripheral arterial disease and type 2 diabetes. Circulation 2003;107:753-6.

Natali J, Kieny R, Le Bas P, Benhamou M, Molkhou JM. [Ifenprodil tartrate in the treatment of occlusive arteriopathies of the lower limbs. Results of a prospective double-blind controlled multicenter trial]. Ann Cardiol Angeiol (Paris) 1989;38:339-42.

Overlack A, Adamczak M, Bachmann W, Bonner G, Bretzel RG, Derichs R, et al. ACE-inhibition with perindopril in essential hypertensive patients with concomitant diseases. The Perindopril Therapeutic Safety Collaborative Research Group. Am J Med 1994;97:126-34.

Radack K, Deck C. Beta-adrenergic blocker therapy does not worsen intermittent claudication in subjects with peripheral arterial disease. A meta-analysis of randomized controlled trials. Arch Intern Med 1991;151:1769-76.

Schweizer J, Kaulen R, Nierade A, Altmann E. Beta-blockers and nitrates in patients with peripheral arterial occlusive disease: long-term findings. Vasa 1997;26:43-6.

Solomon SA, Ramsay LE, Yeo WW, Parnell L, Morris-Jones W. beta blockade and intermittent claudication: placebo controlled trial of atenolol and nifedipine and their combination. BMJ 1991;303: 1100-4.

Svendsen TL, Jelnes R, Tonnesen KH. Is adrenergic betareceptor blockade contraindicated in patients with intermittent claudication? Acta Med Scand Suppl 1985;693:129-32.

Verhaegen H, Reyntjens A, Horig C, Potsch W. Responsiveness of various symptoms of vascular disorders to calcium antagonist. Angiology 1979;30:447-53.

Yusuf S, Sleight P, Pogue J, Bosch J, Davies R, Dagenais G. Effects of an angiotensin-converting-enzyme inhibitor, ramipril, on cardiovascular events in high-risk patients. The Heart Outcomes Prevention Evaluation Study Investigators. N Engl J Med 2000;342:145-53.

Behandling med antikoagulantia

Antonicelli R, Sardina M, Scotti A, Bonizzoni E, Paciaroni E. Randomised trial of the effects of low-dose calcium-heparin in patients with peripheral arterial disease and claudication. Am J Med 1999;107:234-239.

Calabro A, Piarulli F, Milan D, Rossi A, Coscetti G, Crepaldi G. Clinical assessment of low molecular weight heparin effects in peripheral vascular disease. Angiology 1993;44:188-195.

de Smit P, van Urk H. Dutch oral anticoagulant trial. Acta Chir Austriaca 1992; 24:5-7.

Mannarino E, Pasqualini L, Innocente S, Orlandi U, Scricciolo V, Lombardini R, Ciuffetti G. Efficacy of low-molecular-weight heparin in the management of intermittent claudication. Angiology 1991;42:1-7.

Palmieri G, Ambrosi G, Agrati AM, Ferraro G, Marcozzi S. A new low molecular weight heparin in the treatment of peripheral arterial disease. Inter Angio 1988;7(Suppl. No 3):41-7.

Tesi M, Bronchi GF, Carini A, Morfini M, Cinotti S, Filiberti E. Efficacy and safety of a new molecular weight heparin in the medium-term treatment of atherosclerotic arteriopathy of the lower limbs. J Drug Dev 1989;2:73-82.

Prostanoider

Balzer K, Bechara G, et al. Reduction of ischaemic rest pain in advanced peripheral arterial occlusive disease. A double blind placebo controlled trial with iloprost. Int Angiol 1991;10:229-32.

Belch J, Bell P, et al. Randomized, double. blind, placebo-controlled study evaluating the effect and safety of AS-013, a prostaglandin E1 prodrug, in patients with intermittent claudication. Circulation 1997;95: 2298-302.

Belcher G. Effects of Iloprost and factors affecting outcome in patients with severe inoperable lower limb ischemia. Agents Actions 1992;Suppl 37:354-60.

Blume J, Kiesewetter H, Ruhlmann U. Clinical and heamorheological efficacy of i.a. PGE1 infusions in intermittent claudication. VASA 1987;17:32-5.

Brock FE, Abri O, et al. [Iloprost in the treatment of ischemic tissue lesions in diabetics. Results of a placebo-controlled multicenter study with a stable prostacyclin derivative]. Schweiz Med Wochenschr 1990;120:1477-82.

Böhme H, Brulisauer M, Härtel U, Bollinger A. Periphere arterielle veschluss-krankenheit im stadium III und IV. Die Medizinische Welt 1989; 40:1501-3.

Diehm C, Abri O, et al. [Iloprost, a stable prostacyclin derivative, in stage 4 arterial occlusive disease. A placebo-controlled multicenter study]. Dtsch Med Wochenschr 1989;114:783-8.

Diehm C, Hubsch-Muller C, Stammler F. Intravenöse prostaglandin E1-Therapie bei Patienten mit peripherer arterieller Verschlusskrankenheit (AVK) im Stadium III – eine doppelblinde, plazebo-kontrol-lierte Studie. In “Prostaglandin

E1-wirkungen und terapeutische Wirksamkeit". (Eds H Heidrich, H Böhme and E Rogatti). 1988:133-143. (Springer-Verlag: Berlin).

Fiessinger JN, Schäfer M. Trial of Iloprost versus aspirin treatment for chritical limb idchemia of tromboangiitis obliterans. Lancet 1990;335, 555-7.

Guilmot J, Diot E. Treatment of lower limb ischemia due to atherosclerosis in diabetic and non-diabetic patients with Iloprost, a stable analogue of prostacyclin: results of the French multicentre trial. Drug Investigation 1991;3:351-9.

Mangiafico RA, Malatino LS, Santonocito M, Messina R, Attina T, Dell'Arte S, Sarnataro F. Effects of a 4-week treatment with prostaglandin E1 on plasma endo-thelin-1 release in patients with intermittent claudication. Int J Clin Pharmacol Ther 1999;37: 347-51.

Muller B, Krais T, Sturzebecker S, Witt W, Schillinger E, Baldus B. Potential therapeutic mechanisms of stable prostacyclin (PGI2)-mimics in severe peripheral vascular disease. Biomed Biochim Acta 1988;47: S40-4.

Muller-Buhl U, Diehm C, Krais T, Zimmermann R, Morl H, Eckstein HH. Clinical effects of intravenous iloprost in patients with intermittent claudication. Eur J Clin Pharmacol 1987;33: 127-31.

Rudofsky G. Administration of PGE1 iv in patients with peripheral arterial occlusive disease. In "Prostaglandin E1 – wirkungen und therapeutische wirksamkeit". (Eds H Heidrich, H Böhme and W Rogatti) (Springer Verlag: Berlin) 1988; 103-111.

Rudolfsky G. Intraarterielle Infusionsbehandlung mit Prostaglandin E1bei Patienten mit Claudicatio intermittens. Wien Klin Wochenschr 1987;100:484-8.

Stiegler H, Diehm C, Grom E, Martin M, Morl H, Rudofsky G, Vogelberg KH. [Placebo controlled, double-blind study of the effectiveness of i.v. prostaglandin E1 in diabetic patients with stage IV arterial occlusive disease]. Vasa Suppl 1992;35: 164-6.

The Ciprostene SG. The effect of Ciprostene in patients with peripheral vascular disease (PVD) characterized by ischemic ulcers. J Clin Pharmacol 1991;31:81-7.

The ICAI SG. Prostanoids for chronic critical leg ischemia. A randomized, controlled, open-label trial with prostaglandin E1. The ICAI Study Group. Ischemia Cronica degli Arti Inferiori. Ann Intern Med 1999;130:412-21.

Trubestein G, Ludwig M, Diehm C, Gruss JD, Horsch S.[Prostaglandin E1 in stage III and IV arterial occlusive diseases. results of a multicenter study]. Dtsch Med Wochenschr 1987;112:955-9.

Trubestein G, Ludwig M, Diehm C, Gruss JD, Horsch S. [Prostaglandin E1 in stage III and IV arterial occlusive diseases. results of a multicenter study]. Dtsch Med Wochenschr 1987;112:955-9.

Trubestein G, von Bary S, et al. Intravenous prostaglandin E1 versus pentoxifylline therapy in chronic arterial occlu-

sive disease – a controlled randomised multicenter study. Vasa Suppl 1989; 28:44-9.

Virgolini I, Fitscha P, Linet OI, O'Grady J, Sinzinger H. A double blind placebo controlled trial of intravenous prostacyclin (PGI2) in 108 patients with ischaemic peripheral vascular disease. Prostaglandins 1990;39:657-64.

Virgolini I, Fitscha P, O'Grady J, Barth H, Sinzinger H. Effects of taprostene, a chemically stable prostacyclin analogue, in patients with ischaemic peripheral vascular disease: a placebo controlled double-blind trial. Prostaglandins Leukot Essent Fatty Acids 1989;38:31-5.

Könshormoner

Dohn K, Hvidt V, Nielsen J, Palm L. Testosterone therapy in obliterating arterial lesions in the lower limbs. Angiology 1968;19:342-50.

Genster H, Oram V. Arteriel insufficiens i underextremiteterne behandlet medikamentelt. Ugeskr Laeger 1971;127:1116-23.

Hentzer E, Cort Madsen P. Testosterone in the treatment of arterial insufficiency of the lower limbs. Scand J Clin Lab Invest 1971;99:198-206.

Pentoxifyllin

Belcaro G, Nicolaides AN, et al. Intermittent claudication in diabetics: treatment with exercise and pentoxifylline – a 6-month, controlled, randomized trial. Angiology 2002;53:S39-43.

Cesarone MR, Belcaro G, et al. Treatment of severe intermittent claudication with pentoxifylline: a 40-week, controlled, randomized trial. Angiology 2002;53:S1-S5.

De Sanctis M, Cesarone MR, et al. Treatment of intermittent claudication with pentoxyfylline: a 12-month, randomized trial. Angiology 2002;53:S7-12.

De Sanctis MT, Cesarone MR, et al. Treatment of long-distance intermittent claudication with pentoxifylline: a 12-month, randomized trial. Angiology 2002;53:S13-7.
Ernst E, Kollar L, Resch KL. Does pentoxifylline prolong the walking distance in exercised claudicants? A placebo-controlled double-blind trial. Angiology 1992;43:121-5.

Chelatorer

Guldager B, Faergeman O, Jorgensen SJ, Nexo E, Jelnes R. Disodium-ethylene diamine tetraacetic acid (EDTA) has no effect on blood lipids in atherosclerotic patients. A randomized, placebo-controlled study. Dan Med Bull 1993;40:625-7.

Guldager B, Jelnes R, et al. EDTA treatment of intermittent claudication – a double-blind, placebo-controlled study. J Intern Med 1992;231:261-7.

Olszewer E, Sabbag FC, Carter JP. A pilot double-blind study of sodium-magnesium EDTA in peripheral vascular disease. J Natl Med Assoc 1990;82:173-7.

Sloth-Nielsen, Guldager B, Mouritzen C, Lund EB, Egeblad M, Norregaard O, Jorgensen SJ, Jelnes R. Angiographic findings in EDTA chelation therapy on

peripheral arteriosclerosis. Am J Surg 1991;166:316.

Fysisk aktivitet vid claudicatio intermittens

Hiatt WR, Regensteiner JG, Hargarten ME, Wolfel EE, Brass EP. Benefit of exercise conditioning for patients with peripheral arterial disease. Circulation 1990;81:602-9.

Hiatt WR, Wolfel EE, Meier RH, Regendteiner JG. Superiority of treadmill walking exercise versus strength training for patients with peripheral arterial disease. Implications for the mechanism of the training response. Circulation 1994;90:1866-74.

Larsen OA, Lassen NA. Effect of daily muscular exercise in patients with intermittent claudication. Lancet 1966;19:1093-5.

Leng GC, Fowler B, Ernst E. Exercise for intermittent claudication. Cochrane Database of Systematic Reviews 2000, Issue 2. Art. No.: CD000990. DOI: 10.1002/14651858.CD000990.

Tisi PV, Hulse M, Chulakadabba A, Gosling P, Shearman CP. Exercise training for intermittent claudication: does it adversely affect biochemical markers of the exercise-induced inflammatory response? Eur J vasc Endovasc Surg 1997;14:344-50.

Hyperbar syrgasbehandling

Abidia A, Laden G, Kuhan G, Johnson BF, Wilkinson AR, Renwick PM, Masson EA, McCollum PT. The role of hyperbaric oxygen therapy in ischaemic diabetic lower extremity ulcers: a double-blind randomised-controlled trial. Eur J Vasc Endovasc Surg 2003;25:513-8.

Doctor N, Pandya S, Supe A. Hyperbaric oxygen therapy in diabetic foot. J Postgrad Med 1992;38;112-4, 111.

Faglia E, Favales F, Aldeghi A, Calia P, Quarantiello A, Oriani G. Adjunctive systemic hyperbaric oxygen therapy in treatment of severe prevalently ischemic diabetic foot ulcer. A randomized study. Diabetes Care 1996;19:1338-43.

Kalani M, Jorneskog G, Naderi N, Lind F, Brismar K. Hyperbaric oxygen (HBO) therapy in treatment of diabetic foot ulcers. Long-term follow-up. J Diabetes Complications 2002;16:153-8.

Kessler L, Bilbault P, Ortega F, Grasso C, Passemard R, Stephan D, Pinget M, Schneider F. Hyperbaric oxygenation accelerates the healing rate of nonischemic chronic diabetic foot ulcers: a prospective randomized study. Diabetes Care 2003;26: 2378-82.

Ryggmärgsstimulering

Amann W, Berg P, Gersbach P, Gamain J, Raphael J, Ubbink D. Spinal cord stimulation in the treatment of non-reconstructable stable critical leg ischaemia: results of the European peripheral vascular disease outcomes study (SCS-EPOS). Eur J Vasc Endovasc Surg 2003;26:280-6.

Naturläkemedel och alternativmetoder

Armstrong DG, Nguyen HC. Improvement in healing with aggressive edema reduction after debridement of foot infec-

tion in persons with diabetes. Arch Surg 2000;135:1405-9.

Blume J, Kieser M, Holscher U. [Placebo-controlled double-blind study of the effectiveness of Ginkgo biloba special extract EGb 761 in trained patients with intermittent claudication]. Vasa 1996;25:265-74.

Boyd AM, Marks J. Treatment of intermittent claudication. A reappraisal of the value of alpha-tocopherol. Angiology 1963;14:198-208.

Brevetti G, Perna S, Sabba C, Martone VD, Di Iorio A, Barletta G. Effect of propionyl-L-carnitine on quality of life in intermittent claudication. Am J Cardiol 1997;79:777-80.

Drabaek H, Mehlsen J, Himmelstrup H, Winther K. A botanical compound, Padma 28, increases walking distance in stable intermittent claudication. Angiology 1993;44:863-7.

Drabaek H, Petersen JR, Winberg N, Hansen KF, Mehlsen J. [The effect of Ginkgo biloba extract in patients with intermittent claudication]. Ugeskr Laeger 1996;158:3928-31.

Gans R, Bilo H, Weersink E, Rauwerda J, Fonk T, Popp-Snijders C, al e. Fish oil supplementation in patients with stable claudication. Am J Surg 1990;160: 490-5.

Hamilton M, Wilson GM, Armitage P, Boyd JT. The treatment of intermittent claudication with vitamin E. Lancet 1953;1:367-70.

Himmelstrup H, Himmelstrup B, Mehlsen J, Bonde J, Trap-Jensen J. [The effect of natural medicine and vacuum therapy (Vacusac) in patients with stable intermittent claudication]. Ugeskr Laeger 1987;149:845-8.

Kiesewetter H, Jung F, Jung EM, Blume J, Mrowietz C, Birk A, et al. Effects of garlic coated tablets in peripheral arterial occlusive disease. Clin Investig 1993;71:383-6.

Leng GC, Lee AJ, Fowkes FG, Jepson RG, Lowe GD, Skinner ER, Mowat BF. Randomized controlled trial of gamma-linolenic acid and eicosapentaenoic acid in peripheral arterial disease. Clin Nutr 1998;17:265-71.

Livingstone PD, Jones C. Treatment of intermittent claudication with vitamin E. Lancet 1958;2:602-4.

McGrath C, Robb R, Lucas AJ, Stewart AH, Underwood CL, Horridge JK, et al. A randomised, double blind, placebo-controlled study to determine the efficacy of immune modulation therapy in the treatment of patients suffering from peripheral arterial occlusive disease with intermittent claudication. Eur J Vasc Endovasc Surg 2002;23:381-7.

Mori T, Vandongen R, Mahanian F, Douglas A. Plasma lipid levels and platelet and neutrophil function in patients with vascular disease following fish oil and olive oil supplementation. Metabolism 1992;41:1059-67.

Peters H, Kieser M, Holscher U. Demonstration of the efficacy of ginkgo biloba special extract EGb 761 on intermittent claudication – a placebo-controlled, double-blind multicenter trial. Vasa 1998;27:106-10.

Rudofsky G. [Effect of Ginkgo biloba extract in arterial occlusive disease.

Randomized placebo controlled cross-over study]. Fortschr Med 1987;105:397-400.

Schrader R, Nachbur B, Mahler F. [Effects of the Tibetan herbal preparation Padma 28 in intermittent claudication]. Schweiz Med Wochenschr 1985;115:752-6.

Schweizer J, Hautmann C. Comparison of two dosages of ginkgo biloba extract EGb 761 in patients with peripheral arterial occlusive disease Fontaine's stage IIb. A randomised, double-blind, multicentric clinical trial. Arzneimittelforschung 1999;49:900-4.

Thomson GJ, Vohra RK, Carr MH, Walker MG. A clinical trial of Gingkco Biloba Extract in patients with intermittent claudication. Int Angiol 1990;9:75-8.

Tornwall ME, Virtamo J, Haukka JK, Aro A, Albanes D, Huttunen JK. The effect of alpha-tocopherol and beta-carotene supplementation on symptoms and progression of intermittent claudication in a controlled trial. Atherosclerosis 1999;147:193-7.

Williams HT, Clein LJ, Macbeth RA. Alpha-tocopherol in the treatment of intermittent claudication: a preliminary report. Can Med Assoc J 1962;87:538-41.

Woodcock BE, Smith E, Lambert WH, Jones WM, Galloway JH, Greaves M, Preston FE. Beneficial effect of fish oil on blood viscosity in peripheral vascular disease. Br Med J (Clin Res Ed) 1984;288:592-4.

Kapitel 5

Variations of rates of vascular surgical procedures for chronic critical limb ischaemia and lower limb amputation rates in western Swedish counties. The Westcoast Vascular Surgeons (WVS) Study Group. Eur J Vasc Endovasc Surg 1997;14: 310-4.

[Second document of European consensus on severe peripheral ischemia. April 1991. European Work Group on the Study of Severe Peripheral Ischemia]. J Mal Vasc 1992;17 Suppl C:137-71.

Allie DE, et al. Continuous tenecteplase infusion combined with peri/postprocedural platelet glycoprotein IIb/IIIa inhibition in peripheral arterial thrombolysis: initial safety and feasibility experience. J Endovasc Ther 2004;11:427-35.

Al-Omran M, JV. Tu, et al. Use of interventional procedures for peripheral arterial occlusive disease in Ontario between 1991 and 1998: a population-based study. J Vasc Surg 2003;38:289-95.

Appleberg M, C Mieny, and H Gayliss, Acute arterial thrombosis of the lower limb. S Afr J Surg 1972;10:113-9.

Armon MP, et al. Results of 100 cases of pulse-spray thrombolysis for acute and sub-acute leg ischaemia. Br J Surg 1997;84:47-50.

Arnold TE, et al. Thrombolytic therapy of synthetic graft occlusions before vascular

reconstructive procedures. Am J Surg 1992;164:241-7.

Avegliano G, et al. Acute peripheral arterial ischemia and suspected aortic dissection: usefulness of transesophageal echocardiography in differential diagnosis with aortic thrombosis. Am J Cardiol 2002;90:674-7.

Barr H, et al. Intra-arterial thrombolytic therapy in the management of acute and chronic limb ischaemia. Br J Surg 1991;78:284-7.

Becquemin JP, Ernenwein D. [Acute ischemia of the lower limbs: etiology, diagnosis and management in emergencies]. Rev Prat 1998;48:1965-8.

Berridge DC, et al. Randomized trial of intraarterial recombinant tissue plasminogen activator, intravenous recombinant tissue plasminogen activator and intra-arterial streptokinase in peripheral arterial thrombolysis. Br J Surg 1991; 78:988-95.

Berridge DC, Kessel D, Robertson I. Surgery versus thrombolysis for initial management of acute limb ischaemia. Cochrane Database of Systematic Reviews 2002, Issue 1. Art. No.: CD002784. DOI: 10.1002/14651858.CD002784.

Berridge DC, Kessel D, Robertson I. Surgery versus thrombolysis for initial management of acute limb ischaemia. Cochrane Database of Systematic Reviews 2002, Issue 1. Art. No.: CD002784. DOI: 10.1002/14651858.CD002784.

Berridge DC, et al. Tissue plasminogen activator in peripheral arterial thrombolysis. Br J Surg 1990;77:179-82.

Blank JE, Dormans JP, Davidson RS. Perinatal limb ischemia: orthopaedic implications. J Pediatr Orthop 1996;16:90-6.

Bolbjerg ML, et al. [Thrombolytic treatment of acute and subacute limb ischemia]. Ugeskr Laeger 2004;166:1674-6.

Borley NR, S Hettiaratchy, et al. Distal amputations: impact of the introduction of femorocrural and femoropedal arterial bypass. Ann R Coll Surg Engl 1998;80: 99-103.

Braithwaite BD, et al. Accelerated thrombolysis with high dose bolus t-PA extends the role of peripheral thrombolysis but may increase the risks. Clin Radiol 1995;50:747-50.

Braithwaite BD, et al. Computerized angiographic analysis of the outcome of peripheral thrombolysis. Am J Surg 1995;170:131-5.

Braithwaite BD, et al. Management cost of acute limb ischaemia. Br J Surg 1996; 83:1390-3.

Braithwaite BD, et al. Management of acute leg ischaemia in the elderly. Br J Surg 1998;85:217-20.

Braithwaite BD, et al. Prospective randomized trial of high-dose bolus versus low-dose tissue plasminogen activator infusion in the management of acute limb ischaemia. Thrombolysis Study Group. Br J Surg 1997;84:646-50.

Breukink SO, et al. Thrombolysis as initial treatment of peripheral native artery and bypass graft occlusions in a general community hospital. Ann Vasc Surg 2004; 18:314-20.

Buckenham TM, et al. Infrapopliteal angioplasty for limb salvage. Eur J Vasc Surg 1993;7:21-5.

Buckle CJ, et al. Suggested treatment protocol for improving patency of femoral-infrapopliteal cryopreserved saphenous vein allografts. J Vasc Surg 2000;32:731-8.

Burkart DJ, et al. Thrombolysis of acute peripheral arterial and venous occlusions with tenecteplase and eptifibatide: a pilot study. J Vasc Interv Radiol 2003;14:729-33.

Byrne D, et al. Urokinase thrombolysis as initial therapy for acute and non-acute ischemic extremities. Va Med Q 1997;124:41-4.

Cambria RP, et al. Delayed presentation and treatment of popliteal artery embolism. Ann Surg 1991;214:50-5.

Campbell WB, et al. Non-operative treatment of advanced limb ischaemia: the decision for palliative care. Eur J Vasc Endovasc Surg 2000;19:246-9.

Carpenter JP, et al. Popliteal artery aneurysms: current management and outcome. J Vasc Surg 1994;19:65-72; discussion 72-3.

Castaneda F, et al. Declining-dose study of reteplase treatment for lower extremity arterial occlusions. J Vasc Interv Radiol 2002;13:1093-8.

Comerota AJ, et al. Results of a prospective, randomized trial of surgery versus thrombolysis for occluded lower extremity bypass grafts. Am J Surg 1996;172:105-12.

Conrad MF, et al. Long-term results of catheter-directed thrombolysis to treat infrainguinal bypass graft occlusion: the urokinase era. J Vasc Surg 2003;37:1009-16.

Cragg AH, Smith TP, Corson JD, Nakagawa N, Castaneda F, Kresowik TF, et al. Two urokinase dose regimens in native arterial and graft occlusions: initial results of a prospective, randomized clinical trial. Radiology 1991;178:681-6.

Dawson KJ, et al. Results of a recently instituted programme of thrombolytic therapy in acute lower limb ischaemia. Br J Surg 1991;78:409-11.

Desgranges P, et al. Acute occlusion of popliteal and/or tibial arteries: the value of percutaneous treatment. Eur J Vasc Endovasc Surg 2000;20:138-45.

Diffin DC and K Kandarpa, Assessment of peripheral intraarterial thrombolysis versus surgical revascularization in acute lower-limb ischemia: a review of limb-salvage and mortality statistics. J Vasc Interv Radiol 1996;7:57-63.

Dorigo W, et al. Acute leg ischaemia from thrombosed popliteal artery aneurysms: role of preoperative thrombolysis. Eur J Vasc Endovasc Surg 2002;23:251-4.

Dube M, et al. Comparison of streptokinase and urokinase in local thrombolysis of peripheral arterial occlusions for lower limb salvage. J Vasc Interv Radiol 1996;7:587-93.

Duda SH, Tepe G, Luz O, Ouriel K, Dietz K, Hahn U, et al. Peripheral artery occlusion: treatment with abciximab plus urokinase versus with urokinase alone – a randomized pilot trial (the PROMPT Study). Platelet Receptor Antibodies in Order to Manage Peripheral Artery Thrombosis. Radiology 2001;221:689-96.

Earnshaw JJ and JF Shaw. Survey of the use of thrombolysis for acute limb ischaemia in the UK and Ireland. Br J Surg 1990;77:1041-2.

Earnshaw JJ, B Whitman and C Foy. National Audit of Thrombolysis for Acute Leg Ischemia (NATALI): clinical factors associated with early outcome. J Vasc Surg 2004;39:1018-25.

Earnshaw JJ, et al. Acute limb ischaemia: the place of intravenous streptokinase. Br J Surg 1990;77:1136-9.

Earnshaw JJ, et al. Acute peripheral arterial ischemia: a prospective evaluation of differential management with surgery or thrombolysis. Ann Vasc Surg 1989;3:374-9.

Earnshaw JJ, et al. Choice of agent for peripheral thrombolysis. Br J Surg 1993;80:25-7.

Ebskov LB, TV Schroeder, et al. Epidemiology of leg amputation: the influence of vascular surgery. Br J Surg 1994;81: 1600-3.
Eliason JL, et al. A national and single institutional experience in the contemporary treatment of acute lower extremity ischemia. Ann Surg 2003;238:382-9; discussion 389-90.

Erdoes LS, Bernhard VM, Berman SS. Aortofemoral graft occlusion: strategy and timing of reoperation. Cardiovasc Surg 1995;3:277-83.

Erzurum VZ, et al. Initial management and outcome of aortic endograft limb occlusion. J Vasc Surg 2004;40:419-23.

Eskelinen E, et al. Lower limb amputations in Southern Finland in 2000 and trends up to 2001. Eur J Vasc Endovasc Surg 2004;27:193-200.

Eskelinen E, M Luther, et al. Infrapopliteal bypass reduces amputation incidence in elderly patients: a population-based study. Eur J Vasc Endovasc Surg 2003;26:65-8.

Feinglass J, JL Brown, et al. Rates of lower-extremity amputation and arterial reconstruction in the United States, 1979 to 1996. Am J Public Health 1999;89:1222-7.

Feinglass J, S Kaushik, et al. Peripheral bypass surgery and amputation: northern Illinois demographics, 1993 to 1997. Arch Surg 2000;135:75-80.

Gabrielle F, et al. [Leg embolisms: treatment via percutaneous thrombo-aspiration]. J Mal Vasc 1996;21 Suppl A:76-82.

Gaines PA, Beard JD. Radiological management of acute lower limb ischaemia. Br J Hosp Med 1991;45:343-4, 346-53.

Galland RB, et al. Acute limb deterioration during intra-arterial thrombolysis. Br J Surg 1993;80:1118-20.

Gawenda M, et al. The thrombosed popliteal aneurysm with distal arterial occlusion – successful therapy by interdisciplinary management. Thorac Cardiovasc Surg 1995;43:112-6.

Giannini D, Balbarini A. Thrombolytic therapy in peripheral arterial disease. Curr Drug Targets Cardiovasc Haematol Disord 2004;4:249-58.

Giddings AE, MS Quraishy and WJ Walker. Long-term results of a single protocol for thrombolysis in acute lower-limb ischaemia. Br J Surg 1993;80:1262-5.

Gonzalez-Fajardo JA, Perez-Burkhardt JL, Mateo AM. Intraoperative fibrinolytic therapy for salvage of limbs with acute arterial ischemia: an adjunct to thromboembolectomy. Ann Vasc Surg 1995;9:179-86.

Gordon IL, et al. Three-year outcome of endovascular treatment of superficial femoral artery occlusion. Arch Surg 2001; 136:221-8.

Gorich J, et al. Mechanical thrombolysis of acute occlusion of both the superficial and the deep femoral arteries using a thrombectomy device. AJR Am J Roentgenol 1998;170:1177-80.

Greenberg R, et al. Aggressive treatment of acute limb ischemia due to thrombosed popliteal aneurysms. Eur J Radiol 1998;28: 211-8.

Gutteridge B, P Torrie, et al. Trends in arterial reconstruction, angioplasty and amputation. Health Trends 1994;26:88-91.

Hallett JW, Byrne J, Gayari M, Ilstrup M, Jacobsen SJ, Gray DT. Impact of arterial surgery and balloon angioplasty on amputation: a population-based study of 1155 procedures between 1973 and 1992. J Vasc Surg 1997;25:29-38.

Halliday AW, et al. The management of popliteal aneurysm: the importance of early surgical repair. Ann R Coll Surg Engl 1991;73:253-7.

Henke PK. Approach to the patient with acute limb ischemia: diagnosis and therapeutic modalities. Cardiol Clin 2002; 20:513-20.

Hicken GJ, et al. Intra-arterial infusion of urokinase for acute, critical ischemia in the lower limb. Can J Surg 1995;38: 486-91.

Hoelting T, et al. The value of preoperative lytic therapy in limb-threatening acute ischemia from popliteal artery aneurysm. Am J Surg 1994;168:227-31.

Hofmann WJ et al. Emergency pedal artery bypass grafting. Eur J Vasc Endovasc Surg 2003;26:643-8.

Holdsworth RJ, Paterson JD. Trends in provision of distal arterial reconstruction in Scotland 1989-1999. Eur J Vasc Endovasc Surg 2001;21:123-9.

Huettl EA, Soulen MC. Thrombolysis of lower extremity embolic occlusions: a study of the results of the STAR Registry. Radiology 1995;197:141-5.

Hussein EA, el Dorri A. Intra-arterial streptokinase as adjuvant therapy for complicated Buerger's disease: early trials. Int Surg,1993:78:54-8.

Hye RJ, et al. Is thrombolysis of occluded popliteal and tibial bypass grafts worthwhile? J Vasc Surg 1994;20:588-96; discussion 596-7.

Ikeda Y, et al. Thrombolysis of peripheral graft occlusion in patients with hypertension. Int Surg 1995;80:185-8.

Ikeda Y, et al. Thrombolysis theraphyin patients with femoropopliteal synthetic graft occulsions. Am J Surg 1996;171:251-4.

Jensen SL, Sandermann J. Compartment syndrome and fasciotomy in vascular

surgery. A review of 57 cases. Eur J Vasc Endovasc Surg 1997;13:48-53.

Karlstrom L, Bergqvist D. Effects of vascular surgery on amputation rates and mortality. Eur J Vasc Endovasc Surg 1997;14:273-83.

Kessel DO, Berridge DC, Robertson I. Infusion techniques for peripheral arterial thrombolysis. Cochrane Database of Systematic Reviews 2004, Issue 1. Art. No.: CD000985. DOI: 10.1002/14651858.CD000985.pub2.

Khosla S, et al. Acute and long-term results after intra-arterial thrombolysis of occluded lower extremity bypass grafts using recombinant tissue plasminogen activator for acute limb-threatening ischemia. Am J Ther 2003;10:3-6.

Knaus J, et al. Intraoperative catheter thrombolysis as an adjunct to surgical revascularisation for infrainguinal limb-threatening ischaemia. Eur J Vasc Surg 1993;7:507-12.

Korn P, et al. Thrombolysis for native arterial occlusions of the lower extremities: clinical outcome and cost. J Vasc Surg 2001;33:1148-57.

Kreienberg PB, et al. Adjunctive techniques to improve patency of distal prosthetic bypass grafts: polytetrafluoro-ethylene with remote arteriovenous fistulae versus vein cuffs. J Vasc Surg 2000;31:696-701.

Lambert AW, et al. Age-related outcome for peripheral thrombolysis. Eur J Vasc Endovasc Surg 1999;17:144-8.

Lang EV, Stevick CA. Transcatheter therapy of severe acute lower extremity ischemia. J Vasc Interv Radiol 1993;4:481-8.

Largiader J, Schneider E. [Endovascular and open reconstructive treatment of arterial occlusive disease of the lower extremity in the critical ischemia stage]. Chirurg 1995;66:86-92.

Law MM, et al. Continuous postoperative intra-arterial urokinase infusion in the treatment of no reflow following revascularization of the acutely ischemic limb. Ann Vasc Surg 1994;8:66-73.

Lepantalo M, et al. Frequency of repeated vascular surgery. A survey of 7 616 surgical and endovascular Finnvasc procedures. Finnvasc Study Group. Eur J Surg 1996;162:279-85.

Lindholt JS, S Bovling, et al. Vascular surgery reduces the frequency of lower limb major amputations. Eur J Vasc Surg 1994;8:31-5.

Ljungman C, et al. Amputation risk and survival after embolectomy for acute arterial ischaemia. Time trends in a defined Swedish population. Eur J Vasc Endovasc Surg 1996;11:176-82.

Lonsdale RJ, et al. Peripheral arterial thrombolysis: intermediate-term results. Br J Surg 1993;80:592-5.

Lorenz EP, et al. [Current treatment strategies in acute distal aortic occlusion]. Zentralbl Chir 1995;120:195-201; discussion 201-4.

Luther B, et al. [Homologous vein transplantation in cruropedal arterial reconstruction]. Chirurg 2004;75:153-9.

Luther M, Alback A. Acute leg ischaemia – a case for the junior surgeon? Ann Chir Gynaecol 1995;84:373-8.

Luther M, I Kantonen, et al. Arterial intervention and reduction in amputation for chronic critical leg ischaemia. Br J Surg 2000;87:454-8.

Luther M. The influence of arterial reconstructive surgery on the outcome of critical leg ischaemia. Eur J Vasc Surg 1994;8:682-9.

Magne JL, et al. [Popliteal aneurysm and leg ischemia: surgery first]. J Mal Vasc 1994;19 Suppl A:150-3.

Mahmood A, et al. Microtibial embolectomy. Eur J Vasc Endovasc Surg 2003;25: 35-9.

Marcus AJ, Bearn P. Intra-arterial thrombolysis for the acutely ischaemic leg: experience in a district general hospital. Clin Radiol 1996;51:714-8.

Marty B, et al. Success of thrombolysis as a predictor of outcome in acute thrombosis of popliteal aneurysms. J Vasc Surg 2002;35:487-93.

Mattes E, Norman PE, Jamrozik K. Falling incidence of amputations for peripheral occlusive arterial disease in Western Australia between 1980 and 1992. Eur J Vasc Endovasc Surg 1997;13:14-22.

McNamara TO, et al. Clinical and angiographic selection factors for thrombolysis as initial therapy for acute lower limb ischemia. J Vasc Interv Radiol 1995;6: 36S-47S.

McNamara TO, Bomberger RA, Merchant RF. Intra-arterial urokinase as the initial therapy for acutely ischemic lower limbs. Circulation 1991;83:I106-19.

Melton SM, et al. Popliteal artery trauma. Systemic anticoagulation and intraoperative thrombolysis improves limb salvage. Ann Surg 1997;225:518-27; discussion 527-9.

Mertens H, et al. Percutaneous treatment of acute multiple limb ischemia. JBR-BTR 2000;83:238-42.

Motarjeme A. PTA and thrombolysis in leg salvage. J Endovasc Surg 1994;1:81-7.

Mumme A. [Preventing imminent amputation by regional hyperthermic fibrinolytic drug perfusion. An intraoperative procedure for reopening thrombosed arteries in extremities]. Fortschr Med 1995;113:196.

Mumme A, Maatz W, Walterbusch G. [Regional hyperthermic fibrinolytic perfusion as ultima ratio in critical ischemia of the lower extremities]. Zentralbl Chir 1996;121:1069-75.

Murray JG, Brown AL, Wilkins RA. Percutaneous aspiration thromboembolectomy: a preliminary experience. Clin Radiol 1994;49:553-8.

Nackman GB, et al. Thrombolysis of occluded infrainguinal vein grafts: predictors of outcome. J Vasc Surg 1997;25:1023-31; discussion 1031-2.

Nehler MR, et al. Outcome of catheter-directed thrombolysis for lower extrem-

ity arterial bypass occlusion. J Vasc Surg 2003;37:72-8.

Neuzil DF, et al. Limb ischemia: surgical therapy in acute arterial occlusion. Am Surg 1997;63:270-4.

Nilsson L, et al. Surgical treatment versus thrombolysis in acute arterial occlusion: a randomised controlled study. Eur J Vasc Surg 1992;6:189-93.

O'Donnell TF, Jr. Arterial diagnosis and management of acute thrombosis of the lower extremity. Can J Surg 1993;36:349-53.

Oguni T, et al. Intraarterial catheter thrombolytic therapy for acute peripheral arterial occlusions. Radiat Med 1999; 17:295-304.

Olivier C, et al. [Association of streptokinase and restorative surgery in the treatment of acute ischemia due to arterial obliteration]. J Chir (Paris) 1974;108:501-8.

Ouriel K and FJ Veith. Acute lower limb ischemia: determinants of outcome. Surgery 1998;124:336-41; discussion 341-2.

Ouriel K, et al. A comparison of thrombolytic therapy with operative revascularization in the initial treatment of acute peripheral arterial ischemia. J Vasc Surg 1994;19:1021-30.

Ouriel K, FJ Veith, Sasahara AA. A comparison of recombinant urokinase with vascular surgery as initial treatment for acute arterial occlusion of the legs. Thrombolysis or Peripheral Arterial Surgery (TOPAS) Investigators. N Engl J Med 1998;338:1105-11.

Ouriel K, Veith FJ, Sasahara AA. Thrombolysis or peripheral arterial surgery: phase I results. TOPAS Investigators. J Vasc Surg 1996;23:64-73; discussion 74-5.

Ouriel K. Randomized comparison of thrombolysis and surgery. TOPAS Investigators. Thrombolysis or Peripheral Arterial Surgery. J Vasc Interv Radiol 1995;6: 83S.

Ouriel K. Thrombolytic therapy for acute arterial occlusion. Curr Opin Gen Surg 1994:257-64.

Palfreyman SJ, A Booth, Michaels JA. A systematic review of intra-arterial thrombolytic therapy for lower-limb ischaemia. Eur J Vasc Endovasc Surg 2000;19:143-57.

Patel ST, et al. Is thrombolysis of lower extremity acute arterial occlusion cost-effective? J Surg Res 1999;83:106-12.

Pedersen AE, Bornefeldt Olsen B, Krasnik M, Ebskov LB, Leicht BP, Sager P, et al. Halving the number of leg amputations: The influence of infrapopliteal bypass. Eur J Vasc Surg 1994;8:26-30.

Peiper C, et al. [Intraoperative lysis and neurostimulation as added therapy in surgery of popliteal artery aneurysm]. Langenbecks Arch Chir Suppl Kongressbd 1997;114:1312-4.

Pell JP, Fowkes FGR, Ruckley CV, Clarke J, Kendrick S, Boyd JH. Declining incidence of amputation for arterial disease inScotland. Eur J Vasc Surg 1994;8:602-6.

Pemberton M, et al. The surgical management of acute limb ischaemia due to native

vessel occlusion. Eur J Vasc Endovasc Surg 1999;17:72-6.

Pilger E. Thrombolytic therapy in acute lower limb ischemia. Semin Thromb Hemost 1996;22:61-7.

Pohlmann G, et al. [Retrograde intravenous perfusion as ultima ratio in potential amputation patients with peripheral arterial occlusive disease]. Vasa 1995;24:275-81.

Poirier NC, Verdant A, Page A. [Popliteal aneurysm: surgical treatment is mandatory before complications occur]. Ann Chir 1996;50:613-8.

Quigley FG, Ling J, et al. Impact of femorodistal bypass on major lower limb amputation rate. Aust N Z J Surg 1998;68:35-7.

Ramesh S, Michaels JA, Galland RB. Popliteal aneurysm: morphology and management. Br J Surg 1993;80:1531-3.

Reid DB, et al. Early experience with intra-arterial thrombolytic therapy for peripheral arterial occlusion. Scott Med J 1991;36:7-9.

Results of a prospective randomized trial evaluating surgery versus thrombolysis for ischemia of the lower extremity. The STILE trial. Ann Surg 1994;220:251-66; discussion 266-8.

Rhodes JM, et al. The benefits of secondary interventions in patients with failing or failed pedal bypass grafts. Am J Surg 1999;178:151-5.

Rickard MJ, et al. Limitations of intra-arterial thrombolysis. Cardiovasc Surg 1997;5:634-40.

Riggs P, Ouriel K. Thrombolysis in the treatment of lower extremity occlusive disease. Surg Clin North Am 1995;75: 633-45.

Roeren T, et al. [Therapeutic efficiency of of pulsed spray lysis in peripheral arterial occlusions]. Rofo 1996;164:489-95.

Rordam P, et al. [Thrombolytic therapy in acute lower extremity ischemia]. Ugeskr Laeger 1996;158:5018-21.

Sanchez LA, et al. Is surveillance to detect failing polytetrafluoroethylene bypasses worthwhile?: Twelve-year experience with ninety-one grafts. J Vasc Surg 1993;18:981-9; discussion 989-90.

Sarac TP, et al. Clinical and economic evaluation of the trellis thrombectomy device for arterial occlusions: preliminary analysis. J Vasc Surg 2004;39:556-9.

Sayers RD, Thompson MM, et al. Changing trends in the management of lower-limb ischaemia: a 17-year review. Br J Surg 1993;80:1269-73.

Schellong SM, Ockert D, Hanig V. [Acute limb ischemia]. Herz 2001;26:61-8.

Seabrook GR, et al. Percutaneous intra-arterial thrombolysis in the treatment of thrombosis of lower extremity arterial reconstructions. J Vasc Surg 1991;13:646-51.

Shields DA and JH Scurr. Treatment of the critically ischaemic lower limb. Postgrad Med J 1994;70:5-9.

Smith CM, et al. Thrombolytic therapy for arterial occlusion: a mixed blessing. Am Surg 1994;60:371-5.

Spence LD, et al. Thrombolysis of infra-popliteal bypass grafts: efficacy and under-

lying angiographic pathology. AJR Am J Roentgenol 1997;169:717-21.

Steinmetz E, et al. Preoperative intra-arterial thrombolysis before surgical revascularization for popliteal artery aneurysm with acute ischemia. Ann Vasc Surg 2000;14:360-4.

Suggs WD, et al. When is urokinase treatment an effective sole or adjunctive treatment for acute limb ischemia secondary to native artery occlusion? Am J Surg 1999;178:103-6.

Swischuk JL, et al. Transcatheter intra-arterial infusion of rt-PA for acute lower limb ischemia: results and complications. J Vasc Interv Radiol 2001;12:423-30.

Taurino M, et al. Outcome after early treatment of popliteal artery aneurysms. Int Angiol 1998;17:28-33.

Thomas WE, Byfield, DM et al. Vascular surgical audit-arterial reconstructions and amputations for lower limb ischaemia. Acta Chir Scand 1983;149:127-32.

Treska V, Valenta J. Role of crossover bypasses in the treatment of ischemia of the lower extremity. Croat Med J 1998; 39:422-5.

Tsetis DK, et al. Potential benefits from heating the high-dose rtPA boluses used in catheter-directed thrombolysis for acute/subacute lower limb ischemia. J Endovasc Ther 2003;10:739-44.

Tunis SR, Bass EB, et al. The use of angioplasty, bypass surgery, and amputation in the management of peripheral vascular disease. N Engl J Med 1991;325:556-62.

Van Damme H, et al. Thrombolysis of occluded infrainguinal bypass grafts. Acta Chir Belg 1997;97:177-83.

van Holten J, et al. Thrombolysis of occluded synthetic bypass grafts in the lower limb: technical success and 1-year follow-up in 32 patients. J Endovasc Ther 2003;10:81-5.

Verdant A, Gaffiero P. The traumatized ischemic lower limb: a search for the optimal treatment. Can J Surg, 1995; 38:215-7.

Verhaeghe R. Regional thrombolysis in lower limb ischemia: new pharmacological and non-pharmacological aspects. Pathophysiol Haemost Thromb 2002;32: 299-302.

Ward AS, Andaz SK, Bygrave S. Thrombolysis with tissue-plasminogen activator: results with a high-dose transthrombus technique. J Vasc Surg 1994;19:503-8.

Weaver FA, Comerota AJ, Youngblood M, Froehlich J, Hosking JD, Papanicolaou G. Surgical revascularization versus thrombolysis for nonembolic lower extremity native artery occlusions: results of a prospective randomized trial. The STILE Investigators. Surgery versus Thrombolysis for Ischemia of the Lower Extremity. J Vasc Surg 1996; 24:513-21; discussion 21-3.

Weaver FA, Toms C. The practical implications of recent trials comparing thrombolytic therapy with surgery for

lower extremity ischemia. Semin Vasc Surg,1997;10:49-54.

Witz M, Korzets Z, Ellis M, Shnaker A, Lehmann J. Intraoperative intra-arterial urokinase therapy after failed embolectomy in acute lower limb ischemia. J Cardiovasc Surg (Torino) 2002;43:877-80.

Yeager RA, et al. Surgical managementof severe acute lower extremity ischemia. J Vasc Surg 1992;15:385-91; discussion 392-3.

Yusuf SW, et al. Experience with pulse-spray technique in peripheral thrombolysis. Eur J Vasc Surg 1994;8:270-5.

Zehnder T, et al. Percutaneous catheter thrombus aspiration for acute or subacute arterial occlusion of the legs: how much thrombolysis is needed? Eur J Vasc Endovasc Surg 2000;20:41-6.