

REFERENCES

- Adams, W.M.; Laitt, R.D. and Jackson, A. (2000):* The role of MRI angiography in the pretreatment assessment of intracranial aneurysms: A Comparative study. *AJNR* 21: 1618-1628.
- Afifi, A.K. and Bergman, R.A. (1998):* Cerebral circulation, Functional neuroanatomy text and atlas. McGraw- Hill, Ch. 14. P 532.
- Alexander, W.; Clowes, Ted, R. (1998):* Anatomy, physiology, and pharmacology of the vascular wall.in: Vascular surgery fifth edition. Saunders company Philadelphia, 35-41.
- Alexandrov, A.V.; Bladin, C.F. Magisano, et al., (1993):* Measuring carotid stenosis. Time for a reappraisal. *Stroke* 24: 1292-1296.
- Baker, J.; Marich, K.; Blut, E. et al., (1986):* Standardized imaging and Doppler criteria for cerebrovascular diagnosis using duplex sonography American Institute of Ultrasound in Medicine (Annual Convention), Las Vegas, Nevada. 1986.
- Barkhausen, J.; Ebert, W.; Heyer, C.R. et al., (2003):* Detection of atherosclerotic plaque with gadofluorine- enhanced magnetic resonance imaging. *Circulation*, 108: 605.
- Barry, R.; Pienaar, A.; Pienaar, C. (1993):* Duplex Doppler evaluation of suspected lesions at the carotid bifurcation. *Annals of Vascular Surgery* 7: 40-144.
- Bastarrika, G.; Larrache, J.; Vivas I et al., (2001):* Bilateral carotid body tumour. *Eurorad Clinical Case Resident. Com.*

- Bluth E, Wetzner S, Stavros A et al. (1988):* Carotid duplex sonography; A multicenter recommendation for standardized imaging and Doppler criteria. Radiographics 1988; 8: 487-506.
- Bort, M.; Mulder, P.; Hofman, A et al., (1994):* Reproducibility of carotid vessel wall thickness measurements. The Rotterdam study. J Clin Epidemiol; 47 (8): 92-930.
- Bradely, W.G. (1999):* Magneic resonance imaging. Third edition. Mosby. Ch. 11. P231-256.
- Brugieres, P.; Blustajn, J.; Le Guerinel, C et al., (1998):* Magnetic resonance anigraphy of giant intracranial aneurysms. Neruoradiology; 40:96-102.
- Cakirer, S. Sirvanci, M. and Duran, C. (2001):* Carotid body tumour. Eurorad Clinical Case Resident. Com.
- Carty, H. (2001):* Paediatric Imaging, Volume VII, Moyamoya disease. The Encyclopaedia of Medical Imaging medyclopaedia on the internet. Com.
- Chakraborti, K.L. and Kumar, S. (1998):* Carotid body tumors: MR and MRA evaluation Indian Journal of Radiology and Imaging. 8 (3):155-8.
- Choi, J.C. and Kramer, C.M. (2002):* MR imaging of atherosclerotic plaque. Radiol Clin N Am 40: 887-898.
- Chummy, S. (1999):* Last's Anatomy: Regional and Applied. Tenth edition Churchill Livingstn, London; 333-335.
- Cirillo, R.L. (2002):* Arteritis, Takayasu. www.Emedicine. Com.

- Cormack, D. (1998):* Clinical integrated histology. Lippincott, Raven, Philadelphia; 225-227.
- Downey, D.B. and Fenster, A. (1995):* Vascular imaging with a three-dimensional power Doppler system. *AJR* 165:665-668.
- Erickson, S.; Mewissen, M.; Foley, W. et al., (1989):* Stenosis of the ICA: Assessment using color Doppler imaging compared with angiography. *AJR*; 152: 1299-1305.
- Farb, R.I.; McGregor, C.; Kim, J.K. et al., (2001):* Technical Developments intracranial Arteriovenous Malformations: Real-Time Auto- triggered Elliptic centric- ordered 3D Gadolinium – enhanced MR Angiography- Initial Assessment Radiology 220:244-251.
- Fayad, Z.A. and Fuster, V. (2001):* Clinical imaging of the high-risk or vulnerable atherosclerotic plaque. *Circulation Res*; 89:305-16.
- Freed KS, Brown LK, Carroll BA (1997):* The extracraial cerebral vessels. In: Rumack CM. Wilson SR, Charboneau JW, eds. Diagnostic ultrasound. ST. Louie: Mosby, 855-919.
- Friedman, S.; Hainline, B.; Feinberg, A et al., (1988):* Use of diastolic velocity ratio to predict significant carotid artery stenosis. *Stroke* 19: 90-912.
- Fruhwald, F. and Blackwell, D.E. (1992):* CCDS physical principles and technical considerations 1, in “Atlas of Color Coded Doppler Snography” Frnbw. I id F and Black well DE (eds): Spring Verlag, Wien, New York, Chapter 1.

- Gerlock, A.; Giyanani, V. and Krebs, C. (1988): Applications of non invasive vascular techniques. Philadelphia: WB Saunders Co; 147-159.
- Grant, E.; and Duerinckx, A. (1998): Non- invasive diagnosis of carotid stenosis: technique, normal anatomy and new observations in light of the NASCET study. in: RSNA Categorical course in vascular imaging; 21-221.
- Griffiths, P.; Nigel, H. and Daniel, W. (2000): Brain arteriovenous malformation assessment with dynamic digital MR-DSA. AJNR 21 (10): 892-899.
- Hedrick, F.R. and Hykes, M.S. (1988): Doppler physics and instrumentation: A review. Journal of diagnostic medical sonography, 4: 109.
- Henderson, S.O. (2004): Dissection, Carotid Artery. www.Emedicine.com.
- Hermans, R. (2000a): Head and neck imaging. Volume IV: 2, Arteriovenous fistula, head and neck. The Encyclopaedia of Medical Imaging medcyclopaedia on the internet. Com.
- Hermans, R. (2000b): Head and neck imaging. Volume VI: 2, Aneurysm, head and neck. The Encyclopaedia of Medical Imaging medcyclopaedia on the internet. Com.
- Hermans, R. (2000c): Head and neck imaging. Volume VI: 2, Arteriovenous malformation, head and neck. The Encyclopaedia of Medical Imaging medcyclopaedia on the internet. Com.

- Hermans, R. (2000d): Head and neck imaging. Volume VI: 2, Carotid body tumour. The Encyclopaedia of Medical Imaging medcyclopaedia on the internet. Com.
- Higgings, C.B. (2000): Cardiovascular Imaging Volume V: 2, Aneurysm, false. The Encyclopaedia of Medical Imaging medcyclopaedia on the internet. Com.
- Higgings, C.B. (2000): Cardiovascular imaging Volume V: 2, Atherosclerosis. The Encyclopaedia of Medical Imaging medcyclopaedia on the internet. Com.
- Higgings, C.B. (2000): Cardiovascular imaging volume V 2, Arteritis. The Encyclopaedia of Medical Imaging medcyclopaedia on the internet. Com.
- Ho, K.Y. (2004): MR angiography of carotid arteries. JBR-BTR, 87 (1): 29-32.
- Howard, G.; Baker, W.; Chambless, F. et al., (1996): An approach for the use of Doppler ultrasound as a screening tool for hemodynamically significant stenosis. Stroke; 27: 1951-1957.
- Jager, H.R. and Grieve, J.P. (2000): Advances in non invasive imaging of intracranial vascular disease. Ann R Coll Surg Eng.; 82 (1): 1-5.
- Joakimsen, O.; Bonaa, H.; Stensland-Bugge, E. (1997): Reproducibility of ultrasound assessment of carotid plaque occurrence, thickness, and morphology. Stroke; 28: 2201-2207.
- Karaman, K.; Onat, L.; Sirvanci, M.; Duran, C. (2002): Extracranial carotid artery aneurysm. Eurorad clinical Case Residet. Com.

- Kattah, J. (2003): Cavernous sinus syndrome. [www.Emedicine. Com](http://www.Emedicine.Com).
- Katz, M.L. (2001): Intracranial cerebrovascular evaluation, Textbook of diagnostic ultrasonography. Fifth edition. Hagen- Ansert SL. Mosby. Ch. 20. P497.
- Kidwell, C. (2004): Dissection, Carotid Artery. [www.Emedicine. Com](http://www.Emedicine.Com).
- Kim, D.Y. and Park, J.W. (2004): Computerized quantification of carotid artery stenosis using MRA axial images. Magnetic resonance imaging. 22: 353-359.
- Kochan, J.P. (2004): Fibromuscular Dysplasia (Carotid Artery). [www.Emedicine. Com](http://www.Emedicine.Com).
- Koelemay, M.J.; Legemae, D.A.; de Vos, H. ; Van Gurp, A.J. ; Balm, R.; Reekers, J.A.; and Jacobs, M.J. (2001): Duplex scanning allows selective use of arteriography in the management of patients with severe lower leg arterial disease. J Vasc Surg; 34: 661-7.
- Konez, O. (2004): Vascular Anomalies. [www.Emedicine. Com](http://www.Emedicine.Com).
- Krause, W. and Gutts, J. (1994): Histology of the elastic artery. In: Essentials of Histology. Little Brown and Company, Boston; 335-340.
- Kremakau, F. (1992): Doppler principles. Seminars Roentgenology; 27: 6.
- Leahy, A.; McCollum, P. Feley, T. et al, (1988): Duplex ultrasonography and selection of the patiets for endarterectomy: plaque morphology or luminal narrowing? J Vasc Surg; 8: 588-562.

Liebeskind, D.S. (2004): Cerebral Aneurysms. www.Emedicine. Com.

Long, A.; Lepoutre, A.; Corbillon, E. et al., (2002) : Modalities of preoperative imaging of the internal carotid artery used in France. Ann Vasc Surg; 16: 261-265.

Mann, W.J.; Beck, A.; Schreiber, J. et al., (1994): Ultrasonography for evaluation of the carotid artery in head and neck cancers Laryngoscope 104: 885-888.

Martin, J.H. (2003): Vasculature of the central nervous system and the cerebrospinal fluid, neuroanatomy text and atlas. Third edition. McGraw- Hill, Ch. 4. p. 86.91.

Mattle, H.P. and Wentz, K.U. (1992): "Selective magnetic resonance angiography of the Current status of 3D spiral C.T scanning for imaging in vasculature. Radiol. Clin. North Am., 33: 51-70.

Mattos, M.A.; Hodgson, K.J.; Ramsey, D.E. et al., (1992): Identifying total carotid occlusion with color flow duplex scanning. European Journal Of Vascular surgery 6: 204-210.

Merritt, C. (1998): Physics, of ultrasound. In: Diagnostic ultrasound, 2nd edition. Rumack M, Wilson, R. Charboneau W, Mosby- Year Book Inc.

Middleton, W.; Foley, W.; Lawson, T. (1988): Flow reversal in the normal carotid bifurcation: color Doppler flow imaging analysis. Radiology; 167: 207- 210.

Nelemans, P.J.; Leiner, T. ; de Vet, H.C. ; Van Engelshoven, and J.M. (2000) : Peripheral arterial disease: meta- analysis of the diagnostic performance of MR angiography. Radiology; 217: 105-14.

- O'Donnell, S.D. (2004): Atherosclerotic Disease of the Carotid Artery. www.Emedicine.Com.
- Obe, J.L. (1998): Blood supply of the central nervous system, Neuroanatomy for medical students. Third edition. Butterorth Heinemann, Ch. 14. P202.
- Obuchowski, N.A.; Modic, M.T.; Magdinec, M.; Mazaryk, T.J. (1997): Assessment of the efficacy of noninvasive screening for patients with asymptomatic neck bruits. *Stroke*; 28: 1330-9.
- Orford, J.L. (2004): Atherosclerosis. www.Emedicine.Com.
- Philips, C.D. and Bubash, L.A. (2002): C.T. angiography and MR angiography in the evaluation of extracranial carotid vascular disease; *Radiol Clin N Am* 40: 783-798.
- Pignoli, A.; Tremoli, E.; Poli, A. (1986): Intimal plus medial thickness of the arterial wall: a direct measurement with ultrasound imaging. *Circulation* 1986; 74: 1399-1406.
- Polak, J. (1992): Neck arteries. In : peripheral vascular sonography. A practical guide, Williams and wilkins, Baltimore, London.
- Polak, J. (1993): Neck Arteries. In: peripheral vascular sonography. A practical guide. Williams and wilkins.
- Powis, R.L. (1984): Color flow imaging: understanding its science and technology. *Journal of diagnostic Medical Sonography*, 4: 236.
- Prince, M.R.; Grist, T.M. and Debatin, J.F. (2003): Advanced techniques in 3D contrast MR angiography. Third edition. Springer, Ch. 2. P 45-70.

- Prince, M.R.; Grist, T.M. and Debaton, J.F. (2003): Extracranial Carotid arteries and arch vessels in 3D contrast MR angiography. Third edition. Springer, Ch. 10. P 217-232.
- Rae II, R.E. (1995): Vascular sonography and plethysmography. In Hagen- Ansert, SL (ed): Textbook of diagnostic ultrasonography. 4th ed, Mosby, St. Louis, pp 464-465 and 483-485.
- Remonda, L.; Senn, P.; Barth, A. et al., (2002): Contrast enhanced 3D MR angiography of the carotid artery: comparison with conventional Digital Subtraction Angiography. American Journal of Neuroradiology 23:23-219.
- Rensick, D. and Boutin, R.D. (1998): Musculoskeletal Imaging. Vlume III: 1, Arteritis. The Medcyclopaedia of Medical Imaging com. resolution real time scanner ultrasound. Med Biol; 6: 669 – 709.
- Rubin, J.; Bude, R.; Carson, P. et al., (1994): Power Doppler ultrasonography: A potentially useful alternative to mean frequency- based color – Doppler ultrasonography. Radiology; 553- 856.
- Sardanelli F, Zandrino F et al. (1999): MR angiography of internal carotid arteries: breath-hold Gd-enhanced 3D fast imaging with steady-state precession versus unenhanced 2D and 3D time of flight techniques. J Comput Assist Tomorg 23: 208-215.
- Scarabinoa, T.; Carrierob, A.; Magarellib, N. et al., (1998): MR angiography in carotid stenosis: A comparison, of theree techniques; European Journal of Radiology 28 (2): 117-125.

- Schoen, F.J. and Cotran, R.S. (2003): The blood vessels. In: Robbins Basic pathology. Seventh edition. Kumar V, Cotran RS, Robbins, SL. Saunders, Ch. 10. P 325-360.
- Scotti, G. (2000a): Neuroradiology, Volume VI: 1, Fibromuscular dysplasia. The Encyclopaedia of Medical Imaging medcyclo7paedia on the internet. Com.
- Scotti, G. (2000b): Neuroradiology, Volume VI: 1, Mycotic aneurysm, in bacterial endocarditis. The Encyclopaedia of Medical Imaging medcyclopaedia on the internet. Com.
- Scotti, G. (2000c): Neuroradiology, Volume VI: 1, Thrombosis, arterial. The Encyclopaedia of Medical Imaging medcyclopaedia on the internet. Com.
- Scotti, G. (2000d): Neuroradiology, Volume V: 1, Carotid artery aneurysm. The Encyclopaedia of Medical Imaging medcyclopaedia on the internet. Com.
- Scotti, G. (2000e): Neuroradiology, Volume VI: , aneurysm, cerebral. The Encyclopaedia of Medical Imaging medcyclopaedia on the internet. Com.
- Scotti, G. (2000f): Neuroradiology, Volume VI: , Atheroma, ulcerating, Carotid bifurcation. The Encyclopaedia of Medical Imaging mecyclopaedia on the internet. Com.
- Scotti, G. (2000g): Neuroradiology, Volume VI: 1, Arterial stenosis. The Encyclopaedia of Medical Imaging medcyclopaedia on the internet. Com.

- Scotti, G. (2000h):* Neuroradiology, volume VI: 1 Carotid cavemous fistula. The Encyclopaedia of Medical Imaging medcyclopaedia on the internet. Com.
- Sen, S. (2004):* Magnetic Resonance Imaging (MRI) in Acute stroke. www.Emedicine. Com.
- Serfaty, J.M.; Chirossel, P. ; Chevallier, J.M. et al. (2000) :* Accuracy of three –dimensional gadolinium –enhanced MR angiography in the assessment of extracranial carotid artery disease. AJR; 175: 455- 463.
- Shibuya, Y. ; Umedab, M. ; Yoshikawab, T. et al. (2002):* Carotid body tumour. Oral Oncology 38 (3). P. 313 -317.
- Shung, K.K.; Cloutier, G. and Lint, C.C. (1992):* The effect of hematocrit, shear rate and turbulence on ultrasound Doppler spectrum from blood WEE Trans Biomed. Eng 39: 462-469.
- Snell, R.S. (2001):* The blood supply of the brain and spinal cord, Clinical neuroanatomy. Fifth edition. Lippincott Williams and Wilkins, Ch 17. P 474 – 476.
- Snell, R.S. (2004):* The head and neck, clinical anatomy. Seventh edition. Lippincott Williams and Wilkins, Ch. 11. p 736, 737, 762, 768, 778, 779, 843.
- Soliman, E. (2004):* Cerebral Aneurysm. www.Emedicine. Com
- Steinke, W.; Rautenberg, W.; Schwartz, A. et al. (1994) :* Non invasive monitoring of internal carotid artery dissection. Stroke 25: 998 – 1005.

- Sucholeiki, R. (2004):* Moyamoya Disease. [www.Emedicine. Com](http://www.Emedicine.Com).
- Sutton, D. ; Stevens, J.M. and Mizkiel, K (2002a) :* Angiography in neuroradiology, Textbook of Radiology and Imaging. Seventh edition. Sutton D, Robinson, PJ, Jenkins JP et al., Churchill Livingstone. 2 (55): 1673-1706
- Sutton, D.; Gregson, R.H.; Allan, P.L. et al. (2002b):* Arteriography and interventional angiography, Textbook of Radiology. and Imaging. Seventh edition. Sutton D, Robinson, PJ, Jenkins JP et al., Churchill Livingstone. 1 (15): 411- 982.
- Sutton, D.; Stevens, J.M.; Mizkiel, K. et al. (2002c) :* Intracranial lesions (2), Textbook of radiology and Imaging. Seventh edition. Sutton D, Robinson PJ, Jenkins JP et al., Churchill Livingstone. 2 (58): 1767- 1818.
- Takano, K. ; Utsunomiya, H. ; Ono, H. et al. (1999) :* Dynamic contrast-enhanced subtraction MR angiography in intracranial vascular abnormalities. *Eur. Radiol.* (9): 1909- 1912.
- Toole, J. and Castaldo, J.(1994):* Accurate measurement of carotid stenosis. *J Neuroimaging*, 222- 230.
- Trulson, J.M. (2004) :* Management of the Neck with carotid angiograms. *AJNR* 2 (23): 178.
- Umberto, D.G. Douglas, C.A. and Matthew , P.F. (1999):* Robbin's pathologic basis of disease". Sixth edition: 498- 507.
- Veller M, Fisher C, Nicolaidis A et al. (1993):* Measurment of the ultrasonic intima-media complex in normal subjects. *JVS*; 17: 719. 725.

- Von Schulthess, G.K. and Smith, H.J. (1998):* Physics, techniques and procedures Volume I, (TOF) MR angiography. The Encyclopaedia of Medical Imaging- medcyclopaedia on the internet. Com.
- Von Schulthess, G.K. and Smith, H.J. (1998):* Physics, techniques and procedures Volume I, Contrast medium enhanced (CM) MR angiography. The Encyclopaedia of Medical Imaging medcyclopaedia on the internet. Com.
- Von Schulthess, G.K. and Smith, H.J. (1998):* Physics, techniques and procedures Volume I, Magnetic resonance angiography (MRA). The Encyclopaedia of Medical Imaging medcyclopaedia on the internet. Com.
- Walverson M, Bashiti H, Peterson G. (1983)* ultrasonic tissue characterization of atheromatous plaques using a high resolution real time scanner ultrasound. Med Biol 6: 669-709.
- Webber, J.D.; Foster, E.; Heidenreich, P. et al. (1995):* Three dimensional transabdominal ultrasound identification of aortic plaque. Am J Card Imaging; 9 : 245- 249.
- Wetzel, S. and Bongartz, G. (1999):* MR angiography: supra- aortic vessels. Eur Radiol, 9 (7): 1277- 1284.
- Wetzel, S.; Bongartz, G. and Radu, E.W. (1999):* MR angiography of cerebral arteries clinical application in neuroradiology, syllabus 9th Advanced course of the ESNR MR in neuroradiology update and state of the art September 7, Vinna, Austria. P 71-78.

- William, H.; Thies, (2000):* When to operate in carotid artery disease. American Academy of Family physician, January 15.
- Williams, P.; Warwick, R.; Dyson, M. et al. (1989):* Anatomy of the carotid and vertebral arteries. In: Gray's Anatomy. Churchill Livingstone, London, 735-752.
- Winkelaar, G.; Chen, J.; Salvian, A. et al. (1999):* New duplex ultrasound criteria for managing symptomatic 50% or greater carotid stenosis. JVS, 29: 986- 994.
- Winkelaar, G.; Chen, J.; Salvian, A. et al. (1999):* New duplex ultrasound criteria for managing symptomatic 50% or greater carotid stenosis. JVS, 29: 986- 994.
- Woodcock, G. (1993);* Color Doppler artifacts. In: Vascular diagnosis. Bernstein E, Mosby, Year Book. St. Louis, 67: 74.
- Yucel, E.K.; Anderson, C.M.; Edelman, R.R. et al. (1999):* Magnetic Resonance Angiography: Update on application for extracranial arteries. Circulation; 100 (22) : 2284- 2301.
- Zwiebel, W. (1992):* Color-duplex features of normal and abnormal carotid arteries. In: Introduction to vascular ultrasonography, third edition, Philadelphia: WB Saunders Company.
- Zwiebel, W. (2000):* Normal carotid arteries and carotid examination technique. In: Introduction to vascular ultrasonography, forth edition, Philadelphia: WB Saunders company.
- Zwiebel, W. (2000):* Ultrasound assessment of carotid plaque. In: Introduction to vascular ultrasonography, forth edition, Philadelphia: WB Saunders company.

Zwiebel . W. (2000): Duplex evaluation of carotid stenosis. In:
Introduction to vascular ultasonography, forth edition,
Philadelphia: WB Saunders company.