

ANIM0005: Pathology and Diagnostic Imaging I

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1.

Stroud KA, Booth DJ. Foundation mathematics. Basingstoke: Palgrave Macmillan; 2009.

2.

The Basics of MRI [Internet]. Available from: <http://www.cis.rit.edu/htbooks/mri/inside.htm>

3.

Sprawls P. Physical principles of medical imaging [Internet]. 2nd edn. Gaithersburg, MA: Aspen; 1993. Available from: <http://www.sprawls.org/ppmi2/>

4.

Diamond MC, Scheibel AB, Elson LM. The human brain coloring book. 1st ed. Vol. 306. New York: Barnes & Noble Books; 1985.

5.

Yousem DM, Nadgir R. Neuroradiology: the requisites. Fourth edition. Philadelphia, PA: Elsevier; 2017.

6.

Campbell MJ, Swinscow TDV. Statistics at square one [Internet]. 11th ed. Chichester: Wiley-Blackwell; 2009. Available from: <http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&>

;package_service_id=2909755680004761&institutionId=4761&customerId=4760

7.

Statistics at Square One | The BMJ [Internet]. Available from: <https://www.bmj.com/about-bmj/resources-readers/publications/statistics-square-one>

8.

Gwathmey KG, Burns TM, Collins MP, Dyck PJB. Vasculitic neuropathies. *The Lancet Neurology*. 2014 Jan;13(1):67–82. doi:10.1016/S1474-4422(13)70236-9

9.

Salvarani C, Brown RD, Hunder GG. Adult primary central nervous system vasculitis. *The Lancet*. 2012 Aug;380(9843):767–77. doi:10.1016/S0140-6736(12)60069-5

10.

Evans NR, Tarkin JM, Chowdhury MM, Warburton EA, Rudd JHF. PET Imaging of Atherosclerotic Disease: Advancing Plaque Assessment from Anatomy to Pathophysiology. *Current Atherosclerosis Reports*. 2016 Jun;18(6). doi:10.1007/s11883-016-0584-3

11.

Manji H, Jäger HR, Winston A. HIV, dementia and antiretroviral drugs: 30 years of an epidemic. *Journal of Neurology, Neurosurgery & Psychiatry*. 2013 Oct;84(10):1126–37. doi:10.1136/jnnp-2012-304022

12.

Clifford DB, Ances BM. HIV-associated neurocognitive disorder. *The Lancet Infectious Diseases*. 2013 Nov;13(11):976–86. doi:10.1016/S1473-3099(13)70269-X

13.

Tan IL, Smith BR, von Geldern G, Mateen FJ, McArthur JC. HIV-associated opportunistic

infections of the CNS. *The Lancet Neurology*. 2012 Jul;11(7):605–17. doi:10.1016/S1474-4422(12)70098-4

14.

Johnson RT. *Viral infections of the nervous system*. 2nd ed. Philadelphia: Lippincott-Raven; 1998.

15.

Scheld WM, Whitley RJ, Marra CM, editors. *Infections of the central nervous system* [Internet]. Fourth edition. Philadelphia: Wolters Kluwer Health; 2014. Available from: http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3197714180004761&institutionId=4761&customerId=4760

16.

Davis LE, Kennedy PGE. *Infectious diseases of the nervous system*. Oxford ; Boston: Butterworth-Heinemann; 2000.

17.

Booss J, Esiri MM. *Viral encephalitis in humans*. Washington, D.C.: ASM Press; 2003.

18.

Tyler KL. Acute Viral Encephalitis. *New England Journal of Medicine*. 2018 Aug 9;379(6):557–66. doi:10.1056/NEJMra1708714

19.

Dalmau J, Graus F. Antibody-Mediated Encephalitis. *New England Journal of Medicine*. 2018 Mar;378(9):840–51. doi:10.1056/NEJMra1708712

20.

Solomon T, Michael BD, Smith PE, Sanderson F, Davies NWS, Hart IJ, et al. Management of

suspected viral encephalitis in adults – Association of British Neurologists and British Infection Association National Guidelines. *Journal of Infection*. 2012 Apr;64(4):347–73. doi:10.1016/j.jinf.2011.11.014

21.

Tyler KL. Emerging Viral Infections of the Central Nervous System, part 1. *Archives of Neurology*. 2009 Aug 1;66(8). doi:10.1001/archneurol.2009.153

22.

Tyler KL. Emerging Viral Infections of the Central Nervous System, part 2. *Archives of Neurology*. 2009 Sep 1;66(9). doi:10.1001/archneurol.2009.189

23.

Davies N, Thwaites G. Infections of the nervous system. *Practical Neurology*. 2011 Mar 8;11(2):121–31. doi:10.1136/jnnp.2011.242214

24.

van de Beek D, Farrar JJ, de Gans J, Mai NTH, Molyneux EM, Peltola H, et al. Adjunctive dexamethasone in bacterial meningitis: a meta-analysis of individual patient data. *The Lancet Neurology*. 2010 Mar;9(3):254–63. doi:10.1016/S1474-4422(10)70023-5

25.

Barker PB, Golay X, Zaharchuk G. Clinical perfusion MRI: techniques and applications [Electronic resource]. Cambridge: Cambridge University Press; 2013. Available from: http://ucl.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3202944840004761&institutionId=4761&customerId=4760

26.

Nogueira RG, Jadhav AP, Haussen DC, Bonafe A, Budzik RF, Bhuva P, et al. Thrombectomy 6 to 24 Hours after Stroke with a Mismatch between Deficit and Infarct. *New England Journal of Medicine*. 2018 Jan 4;378(1):11–21. doi:10.1056/NEJMoa1706442

27.

Saloner D. The AAPM/RSNA physics tutorial for residents. An introduction to MR angiography. *RadioGraphics*. 1995 Mar;15(2):453–65. doi:10.1148/radiographics.15.2.7761648

28.

Pandey S, Hakky M, Kwak E, Jara H, Geyer CA, Erbay SH. Application of Basic Principles of Physics to Head and Neck MR Angiography: Troubleshooting for Artifacts. *RadioGraphics*. 2013 May;33(3):E113–23. doi:10.1148/rg.333125148

29.

Cody DD. AAPM/RSNA Physics Tutorial for Residents: Topics in CT. *RadioGraphics*. 2002 Sep;22(5):1255–68. doi:10.1148/radiographics.22.5.g02se041255

30.

Kaufman JA, McCarter D, Geller SC, Waltman AC. Two-dimensional time-of-flight MR angiography of the lower extremities: artifacts and pitfalls. *American Journal of Roentgenology*. 1998 Jul;171(1):129–35. doi:10.2214/ajr.171.1.9648776

31.

Thapar A, Jenkins IH, Mehta A, Davies AH. Diagnosis and management of carotid atherosclerosis. *BMJ*. 2013 Mar 18;346(mar18 1):f1485–f1485. doi:10.1136/bmj.f1485

32.

von Reutern GM, Goertler MW, Bornstein NM, Sette MD, Evans DH, Goertler MW, et al. Grading Carotid Stenosis Using Ultrasonic Methods. *Stroke*. 2012 Mar;43(3):916–21. doi:10.1161/STROKEAHA.111.636084

33.

RadioGraphics [Internet]. Available from: https://pubs.rsna.org/doi/10.1148/radiographics.15.1.7899596?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%3dpubmed

34.

AIUM Practice Guideline for the Performance of a Transcranial Doppler Ultrasound Examination for Adults and Children. *Journal of Ultrasound in Medicine*. 2012 Sep;31(9):1489–500. doi:10.7863/jum.2012.31.9.1489

35.

Aries MJH, Elting JW, De Keyser J, Kremer BPH, Vroomen PCAJ. Cerebral Autoregulation in Stroke. *Stroke*. 2010 Nov;41(11):2697–704. doi:10.1161/STROKEAHA.110.594168

36.

Patricia C. Davis. Head Trauma. *American Journal of Neuroradiology* [Internet]. 2007 Sep 1;28(8):1619–21. Available from: <http://www.ajnr.org/content/28/8/1619>

37.

Kim JJ, Gean AD. Imaging for the Diagnosis and Management of Traumatic Brain Injury. *Neurotherapeutics*. 2011 Jan;8(1):39–53. doi:10.1007/s13311-010-0003-3

38.

Gean AD, Fischbein NJ. Head Trauma. *Neuroimaging Clinics of North America* [Internet]. 20(4):527–56. Available from: <https://www.sciencedirect.com/search/advanced?docId=10.1016/j.nic.2010.08.001>

39.

Hijaz TA, Cento EA, Walker MT. Imaging of Head Trauma. *Radiologic Clinics of North America*. 2011 Jan;49(1):81–103. doi:10.1016/j.rcl.2010.07.012

40.

AANS/CNS Joint Guidelines Committee. Guidelines for the Management of Acute Cervical Spine and Spinal Cord Injuries: Congress of Neurological Surgeons [Internet]. *Neurosurgery*. Available from: <https://www.cns.org/guidelines/guidelines-management-acute-cervical-spine-and-spinal-cor>

d-injuries

41.

Head injury: assessment and early management: Guidance and guidelines: NICE clinical guideline No. 176 [Internet]. NICE. Available from: <https://www.nice.org.uk/guidance/cg176>

42.

Spinal injury: assessment and initial management: Guidance and guidelines: NICE clinical guideline no. 41 [Internet]. NICE. Available from: <https://www.nice.org.uk/guidance/ng41>

43.

Wardlaw JM, Smith EE, Biessels GJ, Cordonnier C, Fazekas F, Frayne R, et al. Neuroimaging standards for research into small vessel disease and its contribution to ageing and neurodegeneration. *The Lancet Neurology*. 2013 Aug;12(8):822–38.
doi:10.1016/S1474-4422(13)70124-8

44.

Pantoni L. Cerebral small vessel disease: from pathogenesis and clinical characteristics to therapeutic challenges. *The Lancet Neurology*. 2010 Jul;9(7):689–701.
doi:10.1016/S1474-4422(10)70104-6

45.

van de Beek D, de Gans J, Tunkel AR, Wijdicks EFM. Community-Acquired Bacterial Meningitis in Adults. *New England Journal of Medicine*. 2006 Jan 5;354(1):44–53.
doi:10.1056/NEJMra052116

46.

Gray JW, Ubhi H, Milner P. Antimicrobial Treatment of Serious Gram-Negative Infections in Newborns. *Current Infectious Disease Reports*. 2014 Feb;16(2).
doi:10.1007/s11908-014-0400-6

47.

DeBiasi RL. A Concise Critical Analysis of Serologic Testing for the Diagnosis of Lyme Disease. *Current Infectious Disease Reports*. 2014 Dec;16(12).
doi:10.1007/s11908-014-0450-9

48.

Brain Abscess. *New England Journal of Medicine*. 2014 Oct 30;371(18):1756-8.
doi:10.1056/NEJMc1410501

49.

Tan IL, Smith BR, von Geldern G, Mateen FJ, McArthur JC. HIV-associated opportunistic infections of the CNS. *The Lancet Neurology*. 2012 Jul;11(7):605-17.
doi:10.1016/S1474-4422(12)70098-4

50.

Bertholdo D, Watcharakorn A, Castillo M. Brain Proton Magnetic Resonance Spectroscopy. *Neuroimaging Clinics of North America*. 2013 Aug;23(3):359-80.
doi:10.1016/j.nic.2012.10.002