

ANIM0005: Pathology and Diagnostic Imaging I

View Online



1.

Stroud, K.A., Booth, D.J.: Foundation mathematics. Palgrave Macmillan, Basingstoke (2009).

2.

The Basics of MRI, <http://www.cis.rit.edu/htbooks/mri/inside.htm>.

3.

Sprawls, P.: Physical principles of medical imaging. Aspen, Gaithersburg, MA (1993).

4.

Diamond, M.C., Scheibel, A.B., Elson, L.M.: The human brain coloring book. Barnes & Noble Books, New York (1985).

5.

Yousem, D.M., Nadgir, R.: Neuroradiology: the requisites. Elsevier, Philadelphia, PA (2017).

6.

Campbell, M.J., Swinscow, T.D.V.: Statistics at square one. Wiley-Blackwell, Chichester (2009).

7.

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

8.

Gwathmey, K.G., Burns, T.M., Collins, M.P., Dyck, P.J.B.: Vasculitic neuropathies. *The Lancet Neurology*. 13, 67–82 (2014). [https://doi.org/10.1016/S1474-4422\(13\)70236-9](https://doi.org/10.1016/S1474-4422(13)70236-9).

9.

Salvarani, C., Brown, R.D., Hunder, G.G.: Adult primary central nervous system vasculitis. *The Lancet*. 380, 767–777 (2012). [https://doi.org/10.1016/S0140-6736\(12\)60069-5](https://doi.org/10.1016/S0140-6736(12)60069-5).

10.

Evans, N.R., Tarkin, J.M., Chowdhury, M.M., Warburton, E.A., Rudd, J.H.F.: PET Imaging of Atherosclerotic Disease: Advancing Plaque Assessment from Anatomy to Pathophysiology. *Current Atherosclerosis Reports*. 18, (2016). <https://doi.org/10.1007/s11883-016-0584-3>.

11.

Manji, H., Jäger, H.R., Winston, A.: HIV, dementia and antiretroviral drugs: 30 years of an epidemic. *Journal of Neurology, Neurosurgery & Psychiatry*. 84, 1126–1137 (2013). <https://doi.org/10.1136/jnnp-2012-304022>.

12.

Clifford, D.B., Ances, B.M.: HIV-associated neurocognitive disorder. *The Lancet Infectious Diseases*. 13, 976–986 (2013). [https://doi.org/10.1016/S1473-3099\(13\)70269-X](https://doi.org/10.1016/S1473-3099(13)70269-X).

13.

Tan, I.L., Smith, B.R., von Geldern, G., Mateen, F.J., McArthur, J.C.: HIV-associated opportunistic infections of the CNS. *The Lancet Neurology*. 11, 605–617 (2012). [https://doi.org/10.1016/S1474-4422\(12\)70098-4](https://doi.org/10.1016/S1474-4422(12)70098-4).

14.

Johnson, R.T.: Viral infections of the nervous system. Lippincott-Raven, Philadelphia (1998).

15.

Schedl, W.M., Whitley, R.J., Marra, C.M. eds: Infections of the central nervous system. Wolters Kluwer Health, Philadelphia (2014).

16.

Davis, L.E., Kennedy, P.G.E.: Infectious diseases of the nervous system. Butterworth-Heinemann, Oxford ; Boston (2000).

17.

Booss, J., Esiri, M.M.: Viral encephalitis in humans. ASM Press, Washington, D.C. (2003).

18.

Tyler, K.L.: Acute Viral Encephalitis. New England Journal of Medicine. 379, 557-566 (2018). <https://doi.org/10.1056/NEJMra1708714>.

19.

Dalmau, J., Graus, F.: Antibody-Mediated Encephalitis. New England Journal of Medicine. 378, 840-851 (2018). <https://doi.org/10.1056/NEJMra1708712>.

20.

Solomon, T., Michael, B.D., Smith, P.E., Sanderson, F., Davies, N.W.S., Hart, I.J., Holland, M., Easton, A., Buckley, C., Kneen, R., Beeching, N.J.: Management of suspected viral encephalitis in adults – Association of British Neurologists and British Infection Association National Guidelines. Journal of Infection. 64, 347-373 (2012). <https://doi.org/10.1016/j.jinf.2011.11.014>.

21.

Tyler, K.L.: Emerging Viral Infections of the Central Nervous System, part 1. *Archives of Neurology*. 66, (2009). <https://doi.org/10.1001/archneurol.2009.153>.

22.

Tyler, K.L.: Emerging Viral Infections of the Central Nervous System, part 2. *Archives of Neurology*. 66, (2009). <https://doi.org/10.1001/archneurol.2009.189>.

23.

Davies, N., Thwaites, G.: Infections of the nervous system. *Practical Neurology*. 11, 121-131 (2011). <https://doi.org/10.1136/jnnp.2011.242214>.

24.

van de Beek, D., Farrar, J.J., de Gans, J., Mai, N.T.H., Molyneux, E.M., Peltola, H., Peto, T.E., Roine, I., Scarborough, M., Schultsz, C., Thwaites, G.E., Tuan, P.Q., Zwinderman, A.: Adjunctive dexamethasone in bacterial meningitis: a meta-analysis of individual patient data. *The Lancet Neurology*. 9, 254-263 (2010). [https://doi.org/10.1016/S1474-4422\(10\)70023-5](https://doi.org/10.1016/S1474-4422(10)70023-5).

25.

Barker, P.B., Golay, X., Zaharchuk, G.: *Clinical perfusion MRI: techniques and applications*. Cambridge University Press, Cambridge (2013).

26.

Nogueira, R.G., Jadhav, A.P., Haussen, D.C., Bonafe, A., Budzik, R.F., Bhuva, P., Yavagal, D.R., Ribo, M., Cognard, C., Hanel, R.A., Sila, C.A., Hassan, A.E., Millan, M., Levy, E.I., Mitchell, P., Chen, M., English, J.D., Shah, Q.A., Silver, F.L., Pereira, V.M., Mehta, B.P., Baxter, B.W., Abraham, M.G., Cardona, P., Veznedaroglu, E., Hellinger, F.R., Feng, L., Kirmani, J.F., Lopes, D.K., Jankowitz, B.T., Frankel, M.R., Costalat, V., Vora, N.A., Yoo, A.J., Malik, A.M., Furlan, A.J., Rubiera, M., Aghaebrahim, A., Olivot, J.-M., Tekle, W.G., Shields, R., Graves, T., Lewis, R.J., Smith, W.S., Liebeskind, D.S., Saver, J.L., Jovin, T.G.: Thrombectomy 6 to 24 Hours after Stroke with a Mismatch between Deficit and Infarct. *New England Journal of Medicine*. 378, 11-21 (2018). <https://doi.org/10.1056/NEJMoa1706442>.

27.

Saloner, D.: The AAPM/RSNA physics tutorial for residents. An introduction to MR angiography. *RadioGraphics*. 15, 453–465 (1995).
<https://doi.org/10.1148/radiographics.15.2.7761648>.

28.

Pandey, S., Hakky, M., Kwak, E., Jara, H., Geyer, C.A., Erbay, S.H.: Application of Basic Principles of Physics to Head and Neck MR Angiography: Troubleshooting for Artifacts. *RadioGraphics*. 33, E113–E123 (2013). <https://doi.org/10.1148/rg.333125148>.

29.

Cody, D.D.: AAPM/RSNA Physics Tutorial for Residents: Topics in CT. *RadioGraphics*. 22, 1255–1268 (2002). <https://doi.org/10.1148/radiographics.22.5.g02se041255>.

30.

Kaufman, J.A., McCarter, D., Geller, S.C., Waltman, A.C.: Two-dimensional time-of-flight MR angiography of the lower extremities: artifacts and pitfalls. *American Journal of Roentgenology*. 171, 129–135 (1998). <https://doi.org/10.2214/ajr.171.1.9648776>.

31.

Thapar, A., Jenkins, I.H., Mehta, A., Davies, A.H.: Diagnosis and management of carotid atherosclerosis. *BMJ*. 346, f1485–f1485 (2013). <https://doi.org/10.1136/bmj.f1485>.

32.

von Reutern, G.-M., Goertler, M.-W., Bornstein, N.M., Sette, M.D., Evans, D.H., Goertler, M.-W., Hetzel, A., Kaps, M., Perren, F., Razumovsky, A., Shiogai, T., Titianova, E., Traubner, P., Venketasubramanian, N., Wong, L.K.S., Yasaka, M.: Grading Carotid Stenosis Using Ultrasonic Methods. *Stroke*. 43, 916–921 (2012).
<https://doi.org/10.1161/STROKEAHA.111.636084>.

33.

RadioGraphics.

34.

AIUM Practice Guideline for the Performance of a Transcranial Doppler Ultrasound Examination for Adults and Children. *Journal of Ultrasound in Medicine*. 31, 1489–1500 (2012). <https://doi.org/10.7863/jum.2012.31.9.1489>.

35.

Aries, M.J.H., Elting, J.W., De Keyser, J., Kremer, B.P.H., Vroomen, P.C.A.J.: Cerebral Autoregulation in Stroke. *Stroke*. 41, 2697–2704 (2010). <https://doi.org/10.1161/STROKEAHA.110.594168>.

36.

Patricia C. Davis: Head Trauma. *American Journal of Neuroradiology*. 28, 1619–1621 (2007).

37.

Kim, J.J., Gean, A.D.: Imaging for the Diagnosis and Management of Traumatic Brain Injury. *Neurotherapeutics*. 8, 39–53 (2011). <https://doi.org/10.1007/s13311-010-0003-3>.

38.

Gean, A.D., Fischbein, N.J.: Head Trauma. *Neuroimaging Clinics of North America*. 20, 527–556.

39.

Hijaz, T.A., Cento, E.A., Walker, M.T.: Imaging of Head Trauma. *Radiologic Clinics of North America*. 49, 81–103 (2011). <https://doi.org/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, <https://www.cns.org/guidelines/guidelines-management-acute-cervical-spine-and-spinal-cord-injuries>.

41.

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

42.

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

43.

Wardlaw, J.M., Smith, E.E., Biessels, G.J., Cordonnier, C., Fazekas, F., Frayne, R., Lindley, R.I., O'Brien, J.T., Barkhof, F., Benavente, O.R., Black, S.E., Brayne, C., Breteler, M., Chabriat, H., DeCarli, C., de Leeuw, F.-E., Doubal, F., Duering, M., Fox, N.C., Greenberg, S., Hachinski, V., Kilimann, I., Mok, V., Oostenbrugge, R. van, Pantoni, L., Speck, O., Stephan, B.C.M., Teipel, S., Viswanathan, A., Werring, D., Chen, C., Smith, C., van Buchem, M., Norrving, B., Gorelick, P.B., Dichgans, M.: Neuroimaging standards for research into small vessel disease and its contribution to ageing and neurodegeneration. *The Lancet Neurology*. 12, 822–838 (2013). [https://doi.org/10.1016/S1474-4422\(13\)70124-8](https://doi.org/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*. 9, 689–701 (2010). [https://doi.org/10.1016/S1474-4422\(10\)70104-6](https://doi.org/10.1016/S1474-4422(10)70104-6).

45.

van de Beek, D., de Gans, J., Tunkel, A.R., Wijdicks, E.F.M.: Community-Acquired Bacterial Meningitis in Adults. *New England Journal of Medicine*. 354, 44–53 (2006). <https://doi.org/10.1056/NEJMra052116>.

46.

Gray, J.W., Ubhi, H., Milner, P.: Antimicrobial Treatment of Serious Gram-Negative Infections in Newborns. *Current Infectious Disease Reports*. 16, (2014). <https://doi.org/10.1007/s11908-014-0400-6>.

47.

DeBiasi, R.L.: A Concise Critical Analysis of Serologic Testing for the Diagnosis of Lyme Disease. *Current Infectious Disease Reports*. 16, (2014).
<https://doi.org/10.1007/s11908-014-0450-9>.

48.

Brain Abscess. *New England Journal of Medicine*. 371, 1756–1758 (2014).
<https://doi.org/10.1056/NEJMc1410501>.

49.

Tan, I.L., Smith, B.R., von Geldern, G., Mateen, F.J., McArthur, J.C.: HIV-associated opportunistic infections of the CNS. *The Lancet Neurology*. 11, 605–617 (2012).
[https://doi.org/10.1016/S1474-4422\(12\)70098-4](https://doi.org/10.1016/S1474-4422(12)70098-4).

50.

Bertholdo, D., Watcharakorn, A., Castillo, M.: Brain Proton Magnetic Resonance Spectroscopy. *Neuroimaging Clinics of North America*. 23, 359–380 (2013).
<https://doi.org/10.1016/j.nic.2012.10.002>.