

REFERENCES

- Aboitiz F, Scheibel AB, Fisher RS, Zaidel E. 1992. Fiber composition of the human corpus callosum. *Brain Res* 598(1–2):143–53.
- Adachi B. 1928. *Anatomie der Japaner. Das Arteriensystem der Japaner*. Verlag der Kaiserlich-Japanischen Universität zu Kyoto. In Kommission bei "Maruzen Co." Kyoto and Tokyo: Kenkyusha.
- Adrian E. 1932. The activity of the nerve fibres. In: *Nobel lectures, physiology or medicine 1922–1941*. Amsterdam: Elsevier.
- Aggleton JP. 2008. EPS mid-career award 2006. Understanding anterograde amnesia: disconnections and hidden lesions. *Q J Exp Psychol (Hove)* 61(10):1441–71.
- Ahrens MB, Orger MB, Robson DN, Li JM, Keller PJ. 2013. Whole-brain functional imaging at cellular resolution using light-sheet microscopy. *Nat Methods* 10(5):413–20.
- Akelaitis A. 1941. Studies on the corpus callosum II. The higher visual functions in each homonymous field following complete section of the corpus callosum. *Arch Neurol Psychiatry* 45(5):788–96.
- Aldini G. 1803. *An account of the late improvements in Galvanism . . . : to which is added, an appendix, containing . . . experiments on the body of a malefactor*. London: Cuthell & Martin.
- Alexander AL, Lee JE, Lazar M, Boudos R, DuBray MB, Oakes TR, Miller JN, Lu J, Jeong EK, McMahon WM, Bigler ED, Lainhart JE. 2007. Diffusion tensor imaging of the corpus callosum in autism. *Neuroimage* 34(1):61–73.
- Amunts K, Catani M. 2014. *Cytoarchitectonics, Receptorarchitectonics, and Network Topology of Language*. In: M Gazzaniga, GR Mangun (Eds.), *Handbook of Cognitive Neuroscience*. Boston, MA: MIT Press.
- Amunts K, Lepage C, Borgeat L, Mohlberg H, Dickscheid T, Rousseau MÉ, Bludau S, Bazin PL, Lewis LB, Oros-Peusquens AM, Shah NJ, Lippert T, Zilles K, Evans AC. 2013. BigBrain: an ultrahigh-resolution 3D human brain model. *Science* 340(6139):1472–5.
- Andrioli G, Trincia G. 2004. Padua: the renaissance of human anatomy and medicine. *Neurosurgery* 55(4):746–54; discussion 755.
- Aranzio CG. 1587. *De tumoribus prater naturam secundum locos affectus liber. De humano foetu liber. Anatomicarum observationum liber*. Venice.
- Auburtin SAE. 1861. Reprise de la discussion sur la forme et le volume du cerveau. *Bull Soc Anthropol* 2:209–20.
- Bailey P, Bonin G. von. 1951. *The isocortex of man*. Urbana, IL: University of Illinois Press.
- Baillarger JGF. 1840. *Recherches sur la structure de la couche corticale des circonvolutions du cerveau*. Paris: Bailliére.
- Ballmaier M, Kumar A, Elderkin-Thompson V, Narr KL, Luders E, Thompson PM, Hojatkashani C, Pham D, Heinz A, Toga AW. 2008. Mapping callosal morphology in early- and late-onset elderly depression: an index of distinct changes in cortical connectivity. *Neuropsychopharmacology* 33(7):1528–36.

- Bartholin C. 1641. *Institutiones anatomicae, novis recentiorum opinionibus et observationibus, quarum innumerae hactenus editae non sunt, figurisque auctae ab auctoris filio Thoma Bartholino*. Leiden: Lug. Batavorum, Apud Franciscum Hackium.
- Basser PJ, Mattiello J, Le Bihan D. 1994. MR diffusion tensor spectroscopy and imaging. *Biophys J* 66(1):259–67.
- Bechara A, Damasio H, Damasio AR, Lee GP. 1999. Different contributions of the human amygdala and ventromedial prefrontal cortex to decision-making. *J Neurosci* 19(13):5473–5481.
- Bechara A, Tranel D, Damasio H, Adolphs R, Rockland C, Damasio AR. 1995. Double dissociation of conditioning and declarative knowledge relative to the amygdala and hippocampus in humans. *Science* 269(5227):1115–8.
- Bechterew W. von. 1900a. *Les voies de conduction du cerveau et de la moelle*. Lyon: Storck and Doin.
- Bechterew W. von. 1900b. Demonstration eines gehirns mit Zestörung der vorderen und inneren Theile der Hirnrinde beider Schläfenlappen. *Neurol Centralbl* 20:990–1.
- Belloni L. 1964. On the life and work of Johannes de Vesalia—great-grandfather of Andreas Vesalius. *Med Hist* 8(4):329–34.
- Benini A, Bonar SK. 1996. Historical perspective. Andreas Vesalius 1514–1564. *Spine* 21(11): 1388–93.
- Bentivoglio M, Mazzarello P. 2010. The anatomical foundations of clinical neurology. In: S Finger, F Boller, KL Tyler (Eds.), *Handbook of clinical neurology* (vol. 95, 3rd series, pp.149–68). Amsterdam: Elsevier.
- Berengario da Carpi J. 1523. *Isagogae breves perlucide ac uberrimae in Anatomiam humani corporis*. Bologna: Benedictus Hectoris.
- Bernstein J. 1868. Ueber den zeitlichen Verlauf der negativen Schwankung des Nervenstroms. *Pflügers Arch* 1:173–207.
- Bizzarri P. 1568. *Historia della guerra fatta in Ungheria*. Lyon: Giillaume Rouillé.
- Bois-Reymond EHD. 1848. *Untersuchungen über thierische elektricität*. Berlin: G Reimer.
- Borjigin J, Zhang LS, Calinescu AA. 2012. Circadian regulation of pineal gland rhythmicity. *Mol Cell Endocrinol* 349(1):13–9.
- Boston Sunday Globe*, Austin and Stone's. December, 18, 1892.
- Boudon-Millot V. 2007. Galien: Introduction Générale, Sur l'Ordre de ses propres livres, Sur ses propres livres, Que l'Excellent Médecin est aussi philosophe. Paris: Les Belles Lettres.
- Bouillaud J. 1825. *Traité clinique et physiologique de l'encéphalite*. Paris: Baillière.
- Bouillaud JB. 1825. Recherches cliniques propres à démontrer que la perte de la parole correspond à la lésion des lobules antérieurs du cerveau, et à confirmer l'opinion de M. Gall, sur le siège de l'organe du langage articulé. *Archs Gén Méd* 8:25–45.
- Breasted JH. 1930. *The Edwin Smith surgical papyrus*. Chicago: University of Chicago Press.
- Brion S, Jedynak CP. 1972. Trouble du transfert interhémisphérique à propos de trois observations de tumeurs du corps calleux: le signe de la main étrangère. *Rev Neurol (Paris)* 126(4): 257–66.
- Broca P. 1861a. Perte de la parole, ramollissement chronique et destruction partielle du lobe antérieur gauche du cerveau. *Bull Soc Anthropol* 2:235–8.
- Broca P. 1861b. Sur le volume et la forme du cerveau suivant les individus et suivant les races. *Bull Soc Anthropol* 2:139–207.
- Broca P. 1878. Anatomie comparée des circonvolutions cérébrales. Le grand lobe limbique et la scissure limbique dans la série des mammifères. *Rev Anthropol Paris*, Ser. 2, I:385–498.

- Brodmann K. 1909. *Vergleichende Localisationslehre der Grosshirnrinde in ihren Prinzipien dargestellt auf Grund des Zellenbaues*. Leipzig: Barth.
- Broyd SJ, Demanuele C, Debener S, Helps SK, James CJ, Sonuga-Barke EJ. 2009. Default-mode brain dysfunction in mental disorders: a systematic review. *Neurosci Biobehav Rev* 33(3):279–96.
- Bullmore E, Sporns O. 2009. Complex brain networks: graph theoretical analysis of structural and functional systems. *Nat Rev Neurosci* 10(3):186–98.
- Burdach K, 1822. *Vom Baue und Leben des Gehirns*. Leipzig: In der Dyk'schen Buchhandlung.
- Bykov KM, Speranski AD. 1925. Dog with severed corpus callosum. *Fiziol Lab IP Pavlova* 1:47–59.
- Cajal SR. 1893. *Manual de histología normal y técnica micrográfica*. Valencia: Libreria de Pascual Aguilar.
- Cajal SR. 1911. *Histologie du système nerveux de l'homme et des vertébrés*. Paris: A. Maloine.
- Cajal SR. 1906. The structure and connexions of neurons. In: *Nobel lectures, physiology or medicine 1901–1921*. Amsterdam: Elsevier.
- Campbell AW. 1905. *Histological studies on the localisation of cerebral function*. Cambridge: Cambridge University Press.
- Cannon WB. 1927. The James-Lange theory of emotion: a critical examination and an alternative theory. *Am J Psychol* 39(1/4):106–24.
- Caspers S, Eickhoff SB, Zilles K, Amunts K. 2013. Microstructural grey matter parcellation and its relevance for connectome analyses. *Neuroimage* 80:18–26.
- Casseri G. 1627. *Tabulae anatomicae LXXIX, omnes novae nec hac visae*. Venice: Evangelista Deuchinam.
- Castiglioni A. 1943. Andreas Vesalius. Professor at the medical school of Padua. *Bull NY Acad Med* 19(11):766–77.
- Catani M, Dell'acqua F, Vergani F, Malik F, Hodge H, Roy P, Valabregue R, Thiebaut de Schotten M. 2012a. Short frontal lobe connections of the human brain. *Cortex* 48(2):273–91.
- Catani M, Bodi I, Dell'Acqua F. 2012b. Comment on “The geometric structure of the brain fiber pathways.” *Science* 337(6102):1605.
- Catani M, Dell'Acqua F, Thiebaut de Schotten M. 2013a. A revised limbic system model for memory, emotion and behaviour. *Neurosci Biobehav Rev* 37(8):1724–37.
- Catani M, ffytche DH. 2005. The rises and falls of disconnection syndromes. *Brain* 128(Pt 10):2224–39.
- Catani M, Jones D, Daly E, Embiricos N, Deeley Q, Pugliese L, Curran S, Robertson D, Murphy DG. 2008. Altered cerebellar feedback projections in Asperger syndrome. *Neuroimage* 41(4):1184–91.
- Catani M, Jones DK, and ffytche DH. 2005. Perisylvian language networks of the human brain. *Ann Neurol*, 57(1): 8–16.
- Catani M, Thiebaut de Schotten M, Slater D, Dell'Acqua F. 2013b. Connectomic approaches before the connectome. *Neuroimage* 80:2–13.
- Catani M, Mesulam MM, Jakobsen E, Malik F, Martersteck A, Wieneke C, Thompson CK, Thiebaut de Schotten M, Dell'Acqua F, Weintraub S, Rogalski E. 2013c. A novel frontal pathway underlies verbal fluency in primary progressive aphasia. *Brain* 136(Pt 8):2619–28.
- Catani M, Thiebaut de Schotten M. 2012. *Atlas of human brain connections*. Oxford: Oxford University Press.
- Catani M. 2007. From hodology to function. *Brain* 130(Pt 3):602–5.

- Ciranni R. 2010. Andreas Vesalius in Pisa. *Med Secoli* 22(1–3):143–61.
- Clarke E, Dewhurst K. 1972. *An illustrated history of brain function*. Oxford: Sandford Publications.
- Clarke E, Jacyna LS. 1987. *Nineteenth-century origins of neuroscientific concepts*. Darby, PA: Diane Publishing.
- Clarke E, O’Malley CD. 1996. *The human brain and spinal cord: a historical study illustrated by writings from antiquity to the 20th century*. San Francisco, CA: Norman Publishing.
- Concha L, Livy DJ, Beaulieu C, Wheatley BM, Gross DW. 2010. *In vivo diffusion tensor imaging and histopathology of the fimbria-fornix in temporal lobe epilepsy*. *J Neurosci* 30(3):996–1002.
- Corkin S, Amaral DG, González RG, Johnson KA, Hyman BT. 1997. H. M.’s medial temporal lobe lesion: findings from magnetic resonance imaging. *J Neurosci* (10):3964–79.
- Corkin S. 2013. *Permanent present tense: the unforgettable life of the amnesic patient H. M.* New York: Basic Books.
- Corsini A. 1915. *Andrea Vesalio nello studio di Pisa*. Siena: San Bernardino.
- Cowell PE, Denenberg V, Boehm G, Kertesz A, Nasrallah H. 2003. Using the corpus callosum as an effective probe in the study of schizophrenia. In: E Zaidel, M Iacoboni (Eds.), *The parallel brain* (pp. 433–44). Cambridge, MA: MIT Press.
- Cushing HW. 1943. *A Bio-bibliography of Andreas Vesalius*. New York, NY: Schuman’s.
- Damasio H. 1995. Human brain anatomy in computerized images. New York, NY: Oxford University Press.
- Dandy WE. 1936. Operative experience in cases of pineal tumor. *Arch Surg* 33(1):19–46.
- De Caro R, Goddeeris T, Plessas P, Biebrouck M, Steeno O. 2014. Andreas Vesalius –the life. *Vesalius* 20(1):15–18.
- de Ketham J. 1493. *Fasciculus Medicinae*. Venice, Italy: Per Zuane et Gregorio di Gregorii.
- DeFelipe J. 2010. *Cajal’s butterflies of the soul: science and art*. New York, NY: Oxford University Press.
- Déjérine JJ. 1892. Contribution a l’étude anatomo-pathologique et clinique des différentes variétés de cécité-verbale. *Mém Soc Biol* 4:61–90.
- Déjérine JJ, Déjérine-Klumpke A. 1895. *Anatomie des centres nerveux* (Vol. 1). Paris: Rueff.
- Déjérine JJ, Déjérine-Klumpke A. 1901. *Anatomie des centres nerveux* (Vol. 2). Paris: Rueff.
- Del Negro P. 2001. *L’universita’ di Padova. Otto secoli di storia*. Padova: Signum Padova Editrice.
- del Río-Hortega P. 1922. *Constitución histológica de la glándula pineal. I. Células parenquimatosas. Libro en honor de D. S. Ramón y Cajal*. (Vol. 1). Madrid: Jiménez y Molina.
- Dell’Acqua F, Bodi I, Slater D, Catani M, Modo M. 2013. MR diffusion histology and micro-tractography reveal mesoscale features of the human cerebellum. *Cerebellum* 12(6):923–31.
- Della Sala S, Marchetti C, Spinnler H. 1991. Right-sided anarchic (alien) hand: a longitudinal study. *Neuropsychologia* 29(11):1113–27.
- Descartes R. 1664a. *De homine figuris et Latinitate Donatus a Florentio Schuyl*. Leyden: Ex Officina Hackiana.
- Descartes R. 1664b. *L’homme de René Descartes et un traité de la formation du fœtus*. Paris: Charles Angot.
- Di leva A, Tschabitscher M, Rodriguez y Baena R. 2007. Lancisi’s nerve and the seat of the soul. *Neurosurgery* 60(3):563–8; discussion 568.
- Dobson J. 1925. Herophilus of Alexandria. *Proc R Soc Med* 18:19–32.
- Dolan RJ. 2002. Emotion, cognition, and behavior. *Science* 298(5596):1191–94.

- Doron KW, Gazzaniga MS. 2008. Neuroimaging techniques offer new perspectives on callosal transfer and interhemispheric communication. *Cortex* 44(8):1023–9.
- Dunn PM. 2003. Andreas Vesalius (1514–1564), Padua, and the fetal “shunts.” *Arch Dis Child Fetal Neonatal Ed* 88(2):157–9.
- Dunn TD. 1895. Double hemiplegia with double hemianopsia and loss of geographical center. *Trans Coll Physic Philad* 17:45–55.
- Economou CF von, Koskinas GN. 1925. *Die Cytoarchitektonik der Hirnrinde des erwachsenen Menschen*. Wien–Berlin: Springer.
- Egerstedt M. 2011. Complex networks: degrees of control. *Nature* 473(7346):158–9.
- Exner S. 1881. Untersuchungen über die Localization der Functionen in der Grosshirnrinde des Menschen. Wien: Wilhelm Braumüller.
- Fallopia, G. 1561. *Observationes anatomicae*. Venice: Marcantonio Olmo.
- Felleman DJ, Van Essen DC. 1991. Distributed hierarchical processing in the primate cerebral cortex. *Cereb Cortex* 1(1):1–47.
- Ffytche DH, Catani M. 2005. Beyond localization: from hodology to function. *Philos Trans R Soc Lond B Biol Sci* 360(1456): 767–79.
- Finger S. 1994. *Origins of neuroscience*. New York: Oxford University Press.
- Fink RP, Heimer L. 1967. Two methods for selective silver impregnation of degenerating axons and their synaptic endings in the central nervous system. *Brain Res* 4(4):369–74.
- Flechsig PE. 1876. *Die Leitungsbahnen im Gehirn und Rückenmark des Menschen auf Grund entwicklungsgeschichtlicher Untersuchungen*. Leipzig: Engelmann.
- Flechsig PE. 1896. *Gehirn und seele*. Leipzig: Verlag von Veit.
- Floureens P. 1824. *Recherches expérimentales sur les propriétés et les fonctions du système nerveux dans les animaux vertébrés*. Paris: Crevot.
- Forkel SJ, Thiebaut de Schotten M, Kawadler JM, Dell'Acqua F, Danek A, Catani M. 2014. The anatomy of fronto-occipital connections from early blunt dissections to contemporary tractography. *Cortex* 56:73–84.
- Forkel SJ, Thiebaut de Schotten M, Dell'Acqua F, Kalra L, Murphy DG, Williams SC, Catani M. 2014. Anatomical predictors of aphasia recovery: a tractography study of bilateral perisylvian language networks. *Brain* 137(Pt 7):2027–39.
- Fornito A, Zalesky A, Breakspear M. 2013. Graph analysis of the human connectome: promise, progress, and pitfalls. *Neuroimage* 80:426–44.
- Foster M. 1901. *Lectures on the history of physiology during the sixteenth, seventeenth and eighteenth centuries*. Cambridge: Cambridge University Press.
- Fraenkel A, Franco EE. 1962. Postille alla biografia del Vesalio. Andrea Vesalio in Terrasanta (1564). *Physis* 4(3):219–26.
- Freeman W. 1957. Frontal lobotomy 1936–56. A follow-up study of 3000 patients from one to twenty years. *Am J Psychiatry* 113(10):877–86.
- Fulton JF. 1952. *The frontal lobes and human behaviour*. Springfield, IL: Charles C. Thomas.
- Gainotti G. 1972. Emotional behavior and hemispheric side of the lesion. *Cortex* 8(1):41–55.
- Galaburda AM, LeMay M, Kemper TL, Geschwind N. 1978. Right-left asymmetries in the brain. *Science* 199(4331):852–6.
- Galilei G. 1638. *Discorsi e dimostrazioni matematiche: intorno a due nuove scienze, attenenti alla mecanica e i movimenti locali . . . con una appendice del centro di gravità d'alcuni solidi*. Leiden: Appresso gli Elsevirii.
- Gall FJ, Spurzheim JG. 1810. *Anatomie et physiologie du système nerveux en général et sur celui du cerveau en particulier*. Paris: Schoell et Nicolle.

- Gall FJ, Vimont J, Broussais FJV. 1838. *On the functions of the cerebellum*. Edinburgh: MacLachlan & Stewart.
- Galvani L. 1791. *De viribus electricitatis in motu musculari: commentarius*. Bologna: Ex typographia Instituti Scientiarum.
- Gamper E. 1928. Zur Frage der Polioencephalitis der chronischen Alkoholiker. Anatomische Befunde beim chronischem Korsakow und ihre Beziehungen zum klinischen Bild. *Deutsche Z Nervenheilkd* 102:122–9.
- Gazzaniga M. 2000. Cerebral specialization and interhemispheric communication: does the corpus callosum enable the human condition? *Brain* 123(7):1293–326.
- Geschwind N, Levitsky W. 1968. Human brain: left-right asymmetries in temporal speech region. *Science* 161(837):186–7.
- Glickstein M, Berlucchi G. 2008. Classical disconnection studies of the corpus callosum. *Cortex* 44(8):928–35.
- Glickstein M. 1993. Motor skills but not cognitive tasks. *Trends Neurosci* 16(11):450–1; discussion 453–4.
- Golgi C. 1874. Sulla fina anatomia del cervelletto umano. *Arch Ital Malattie Nervose* 11:90–107.
- Golgi C. 1903–29. *Opera Omnia*. L Sala, E Veratti, G Sala (Eds). Milano: Hoepli.
- Golgi C. 1906. The neuron doctrine—theory and facts. In: *Nobel lectures, physiology or medicine 1901–1921*, Amsterdam: Elsevier.
- Golgi C. 1873. Sulla struttura della sostanza grigia del cervello. *Gazz Med Ital (Lombardia)* 33:244–6.
- Gowers WR. 1888. *Manual of Diseases of the Nervous System*. London: J. & A. Churchill.
- Gray H. 1858. *Anatomy descriptive and surgical*. London: J Parker & son.
- Grießiger W. 1843. Über psychische Reflexaktionen. Mit einem Blick auf das Wesen der psychischen Krankheiten. *Arch Physiol Heilkunde* 2:76–113.
- Gudden BA von. 1870. Experimentaluntersuchungen über das peripherische und centrale Nervensystem. *Arch Psychiatr Nervenkr* 2:693–723.
- Hagmann P. 2005. *From diffusion MRI to brain connectomics* (Thesis). Lausanne: EPFL.
- Haines DE. 1995. Spitzka and Spitzka on the brains of the assassins of presidents. *J History Neurosci* 4(3–4):236–66.
- Haller A. von. 1762. *Mémoires sur la nature sensible et irritable, des parties du corps animal*. Lausanne: Grasset.
- Hawrylycz MJ, Lein ES, Guillozet-Bongaarts AL, Shen EH, Ng L, Miller JA, ... Jones AR. 2012. An anatomically comprehensive atlas of the adult human brain transcriptome. *Nature* 489(7416): 391–9.
- Head H. 1926. *Aphasia and kindred disorders of speech*. Cambridge: Cambridge University Press.
- Heubner O. 1898. Tumor der glandula pinealis. *Dtsch Med Wochenschau* 24:214–5.
- Holmes G. 1917. The symptoms of acute cerebellar injuries due to gunshot injuries. *Brain* 40(4):461–535.
- Holmgren N. 1918. Parietalorgane von Rana temporaria. *Ark Zool* 11(24):1–13.
- Hubel DH, Wiesel TN. 1962. Receptive fields, binocular interaction and functional architecture in the cat's visual cortex. *J Physiol (Lond)* 160:106–54.
- Hutchinson W. 1895. A case of acromegaly in a giantess. *Am J Med Sci* 110:190–201.
- Insel TR, Landis SC, Collins FS. 2013. The NIH BRAIN Initiative. *Science* 340(6133):687–688.
- Ivins WM Jr. 1943. A propos of the “Fabrica” of Vesalius. *WM Bull Hist Med* 14(5):576–93.

- Jackschath E. 1903. Zu den anatomischen Abbildungen des Vesal. *Mitt z Gesch der Med u Naturwiss* 2:282–3.
- Jackson JH. 1876. Case of large cerebral tumour without optic neuritis and with left hemiplegia and imperception. *Ophthal Hosp Rep* 8:434–44.
- Jacobsen CF, Wolf JB, Jackson TA. 1935. An experimental analysis of the functions of the frontal association areas in primates. *J Nerv Mental Dis* 82:1–14.
- Jakob C. 1906. Nueva contribución á la fisio-patología de los lóbulos frontales. *La Sem Med* 13:1325–29.
- Javal LÉ. 1879. Essai sur la physiologie de la lecture. *Ann Oculist* 82:242–53.
- Jeeves MA. 1965. Psychological studies of three cases of congenital agenesis of the corpus callosum. In EG Ettlinger (Ed.), *Functions of the corpus callosum* (pp. 77–94). London: Churchill.
- Johansen-Berg H, Della-Maggiore V, Behrens TE, Smith SM, Paus T. 2007. Integrity of white matter in the corpus callosum correlates with bimanual co-ordination skills. *Neuroimage* 36:16–21.
- Johnstone EC, Crow TJ, Frith CD, Husband J, Kreel L. 1976. Cerebral ventricular size and cognitive impairment in chronic schizophrenia. *Lancet* 2(7992):924–6.
- Jones EG. 2011. Mamillary or mammillary? What's in an "m"? *J Hist Neurosci* 20(2):152–9.
- Kaau-Boerhaave A. 1745. *Impetum faciens dictum Hippocrati*. Leyden: Luchtmans.
- Kates WR, Ikuta I, Burnette CP. 2009. Gyrification patterns in monozygotic twin pairs varying in discordance for autism. *Autism Res* 2(5):267–78.
- Kempton MJ, Stahl D, Williams SC, DeLisi LE. 2010. Progressive lateral ventricular enlargement in schizophrenia: a meta-analysis of longitudinal MRI studies. *Schizophr Res* 120(1–3):54–62.
- Kitay J, Altschule M. 1954. *The pineal gland*. Cambridge, MA: Harvard University Press.
- Kölliker R. 1850. *Mikroskopische Anatomie*. Leipzig: Verlag von Wilhelm Engelmann.
- Korsakoff SS. 1897. On a special form of mental illness combined with degenerative polyneuritis. 12th International Medical Congress, Moscow.
- Kulynich JJ, Luevano LF, Jones DW, Weinberger DR. 1997. Cortical abnormality in schizophrenia: an in vivo application of the gyrification index. *Biol Psychiatry* 41(10):995–9.
- Lam RW, Levitt AJ, Levitan RD, Enns MW, Morehouse R, Michalak EE, Tam EM. 2006. The Can-SAD study: a randomized controlled trial of the effectiveness of light therapy and fluoxetine in patients with winter seasonal affective disorder. *Am J Psychiatry* 163(5):805–12.
- Lambert SW, Wiegand W, Ivins WM Jr. 1952. *Three Vesalian essays to accompany the Icones anatomicae of 1934*. New York, NY: Macmillan.
- Lambracht-Washington D, Rosenberg RN. 2013. Advances in the development of vaccines for Alzheimer's disease. *Discov Med* 15(84):319–26.
- Lancisi GM. 1713. *Dissertatio physiognomica*. Venice: Poletti.
- Lashley KS. 1950. In search of the engram. *Symp Soc Exp Biol* 4:454–82.
- Le Bihan D. 2003. Looking into the functional architecture of the brain with diffusion MRI. *Nat Rev Neurosci* 4(6):469–80.
- Le Gros Clark WE. 1952. A note on cortical cyto-architectonics. *Brain* 75(1):96–104.
- Lee HJ, Yoo SJ, Lee S, Song HJ, Huh MI, Jin SU, Lee KY, Lee J, Cho JH, Chang Y. 2012. Functional activity mapping of rat auditory pathway after intratympanic manganese administration. *Neuroimage* 60(2):1046–54.

- LeMay M. 1976. Morphological cerebral asymmetries of modern man, fossil man, and non-human primate. *Ann N Y Acad Sci* 280:349–66.
- Lemere CA. 2009. Developing novel immunogens for a safe and effective Alzheimer's disease vaccine. *Prog Brain Res* 175:83–93.
- Lerner AB, Case JD, Takahashi Y, Lee TH, Mori W. 1958. Isolation of melatonin, the pineal gland factor that lightens melanocytes. *J Am Chem Soc* 80(10):2587.
- Leuret F, Gratiolet P. 1857. *Anatomie comparée du système nerveux considéré dans ses rapports avec l'intelligence* (Vol. 2). Paris: Ballière.
- Lewis FT. 1923. The significance of the term hippocampus. *J Comp Neurology* 35:213–30.
- Lichtman JW, Denk W. 2011. The big and the small: challenges of imaging the brain's circuits. *Science* 334(6056):618–23.
- Lichtman JW, Sanes JR. 2008. Ome sweet ome: what can the genome tell us about the connectome? *Curr Opin Neurobiol* 18(3):346–53.
- Liepmann H. 1900. Das Krankheitsbild der Apraxie (motorische Asymbolie) auf Grund eines Falles von einseitiger Apraxie. *Monatssch Psychiat Neurol* 8:150–44, 102–32, 182–97.
- Lindeboom GA. 1975. *Andreas Vesalius and his opus magnum: a biographical sketch and an introduction to the Fabrica*. Nieuwendijk: De Forel.
- Logothetis NK. 2008. What we can do and what we cannot do with fMRI. *Nature* 453(7197):869–78.
- Lombroso C. 1911. *Crime: its causes and remedies*. Boston, MA: Little, Brown.
- López-Barroso D, Catani M, Ripollés P, Dell'Acqua F, Rodríguez-Fornells A, de Diego-Balaguer R. 2013. Word learning is mediated by the left arcuate fasciculus. *Proc Natl Acad Sci U S A* 110(32):13168–73.
- Lower R. 1672. *De catarrhis. Reproduced in facsimile and for the first time translated from the original Latin together with bibliographical analysis by Richard Hunter and Ida MacAlpine*. London: Dawson.
- Lowry M. 1979. *The world of Aldus Manutius: business and scholarship in Renaissance Venice*. Oxford: Blackwell.
- Lozano AM, Lipsman N. 2013. Probing and regulating dysfunctional circuits using deep brain stimulation. *Neuron* 77(3):406–24.
- Luciani L. 1919. *Fisiologia dell'uomo*. (Vol. 3). Milano: Societa' Editrice Libraria.
- Luschka H. 1855. *Die Adergeflechte des menschlichen Gehirns*. Berlin: Verlag von Georg Reimer.
- Luys JB. 1881. *Traité clinique et pratique des maladies mentales*. Paris: Delahaye et Lecrosnier.
- Magendie F. 1842. *Recherches physiologiques et cliniques sur le liquide céphalo-rachidien ou cérébro-spinal* (1 volume and atlas). Paris: Méquignon-Marvis.
- Malacarne MVG. 1776. *Nuova esposizione della struttura del cervelletto umano*. Turin: Briolo.
- Malpighi M. 1666. *De cerebri cortice*. Bologna: Montius.
- Manzoni T. 1998. The cerebral ventricles, the animal spirits and the dawn of brain localization of function. *Arch Ital Biol* 136(2):103–52.
- Manzoni T. 2001. *Il cervello secondo Galeno*. Ancona: Il Lavoro Editoriale.
- Marie P. 1886. Sur deux cas d'acromégalie. *Rev Med (Paris)* 6:297–333.
- Markowitsch H. 2000. Memory and amnesia. In: M Mesulam (Ed.), *Principles of behavioural and cognitive neurology*. New York, NY: Oxford University Press.
- Maseko BC, Spoerter MA, Haagensen M, Manger PR. 2012. Elephants have relatively the largest cerebellum size of mammals. *Anat Rec (Hoboken)* 295(4):661–72.
- Massalongo R. 1895. Hyperfonction de la glande pituitaire et acromégalie; gigantisme et acromégalie. *Rev Neurol* 3(8):225–7.

- Matteucci C. 1830. *Sulla contrazione provata dagli animali all'aprirsi del circolo elettrico in che trovansi.* Forlì: Casali.
- Mazzarello P. 2010. *Golgi: a biography of the founder of modern neuroscience.* New York, NY: Oxford University Press.
- McComas A. 2011. *Galvani's spark. the story of the nerve impulse.* New York, NY: Oxford University Press.
- McCulloch WS, Pitts WH. 1943. A logical calculus of the ideas immanent in nervous activity. *Bull Math Biophys* 5:115–33.
- McLeod IK. 1996. A historical enigma: the artist responsible for the illustrations of Andreas Vesalius's *De humani corporis fabrica*. *Pharos Alpha Omega Alpha Honor Med Soc Summer* 59(3):8–13.
- Mesulam M-M. 1982. *Tracing neural connections with horseradish peroxidase.* Chichester, UK: John Wiley & Son.
- Mesulam M-M. 1999. Spatial attention and neglect: parietal, frontal, and cingulate contributions to the mental representation and attentional targeting of salient extrapersonal events. *Phil Trans Roy Soc B* 354(1387):1325–46.
- Mesulam M-M. 2012. The evolving landscape of human cortical connectivity: facts and inferences. *Neuroimage* 62:2182–9.
- Meyer A. 1971. *Historical aspects of cerebral anatomy.* London: Oxford University Press.
- Meynert T. 1868. *Neue Untersuchungen über den Bau der Grosshirnrinde und seine örtlichen Verschiedenheiten: Vortrag.*
- Meynert T. 1872. Vom Gehirne der Säugetiere. In Stricker S. (Ed.), *Handbuch der Lehre von den Geweben des Menschen und der Thiere* (Vol. II, pp. 694–808). Leipzig: Engelmann.
- Mishkin M, Ungerleider LG, Macko KA. 1983. Object vision and spatial vision: two cortical pathways. *Trends Neurosci* 6:414–7.
- Mishkin M. 1966. Visual mechanisms beyond the striate cortex. In Russel R. (Ed.), *Frontiers in physiological psychology.* New York, NY: Academic Press.
- Monakow C. von. 1897. *Gehirnpathologie.* Vienna: Hölder.
- Moniz E, Lima A. 1936. Premiers essais de psychochirurgie—technique et résultats. *Lisboa Médica*, 13: 152–161.
- Moniz E. 1937. Prefrontal leucotomy in the treatment of mental disorders. *Am J Psychiatry* 93(6):1379–85.
- Monro A. 1783. *Observations on the structure and functions of the nervous system.* Edinburgh: William Creech.
- Morecraft RJ, Ugolini G, Lanciego JL, Wouterlood FG, Pandya DN. 2009. Classic and contemporary neural tract tracing techniques. In: H Johansen-Berg, TEJ Behrens (Eds.), *Diffusion MRI* (pp. 273–30). Amsterdam: Elsevier.
- Morgagni GB. 1761. *De sedibus, et causis morborum per anatomen indagatis libri quinque.* Venice: Typographia Remondini.
- Mountcastle VB, Powell TP. 1959. Neural mechanisms subserving cutaneous sensibility, with special reference to the role of afferent inhibition in sensory perception and discrimination. *Bull Johns Hopkins Hosp* 105:201–32.
- Nauta WJ, Gygax PA. 1951. Silver impregnation of degenerating axon terminals in the central nervous system: (1) technic. (2) chemical notes. *Stain Technol* 26(1):5–11.
- Nieuwenhuys R. 2013. The myeloarchitectonic studies on the human cerebral cortex of the Vogt-Vogt school, and their significance for the interpretation of functional neuroimaging data. *Brain Struct Funct* 218(2):303–52.
- Nuland SB. 1995. *Doctors: the biography of medicine.* New York, NY: Vintage Books.

- Nutton V. 2002. *The unknown Galen. Galen beyond Kühn*. London: Bulletin of the Institute of Classical Studies. *Suppl* 71.
- Nutton V. 2012. Vesalius Revised. His Annotations to the 1555 *Fabrica*. *Med Hist* 56(4):415–43.
- O’Malley CD, Saunders JB de CM. 1943. Vesalius as a clinician. *Bull Hist Med* 14:594–608.
- O’Malley CD, Saunders JB de CM. 1946. The “relation” of Andreas Vesalius on the death of Henry II of France. *J Hist Med Allied Sci* 3:197–213.
- O’Malley CD. 1964. *Andreas Vesalius of Brussels, 1514–1564*. Berkeley, CA: University of California Press.
- Ongaro G. 2001. Medicina. In: P. Del Negro (Ed.), *The University of Padua: eight centuries of history*. Padova: Signum Padova Editrice.
- Onimus ENJ. 1872. Nervous control of animal movements. *Pop Sci* 1:344–56.
- Pandi-Perumal SR, Srinivasan V, Maestroni GJ, Cardinali DP, Poeggeler B, Hardeland R. 2006. Melatonin: Nature’s most versatile biological signal? *FEBS J* 273(13):2813–38.
- Papez JW. 1937. A proposed mechanism of emotion. *Arch Neurol Psychiatry* 38:725–43.
- Paré A. 1564. *Dix livres de la chirurgie*. Paris: Jean le Royer.
- Paul LK, Brown WS, Adolphs R, Tyszka JM, Richards LJ, Mukherjee P, Sherr EH. 2007. Agenesis of the corpus callosum: genetic, developmental and functional aspects of connectivity. *Nat Rev Neurosci* 8(4):287–99.
- Paul LK, Corsello C, Kennedy DP, Adolphs R. 2014. Agenesis of the corpus callosum and autism: a comprehensive comparison. *Brain* 137(6):1813–29.
- Pavlov ID. 1903. The experimental psychology and psychopathology of animals. Paper presented at the 14th International Medical Congress, Madrid, Spain.
- Payne RS. 1971. Acoustic location of prey by barn owls (*Tyto alba*). *J Exp Biol* 54:535–73.
- Penttilä J, Cachia A, Martinot JL, Ringuenet D, Wessa M, Houenou J, Galinowski A, Bellivier F, Gallarda T, Duchesnay E, Artiges E, Leboyer M, Olié JP, Mangin JF, Paillère-Martinot ML. 2009. Cortical folding difference between patients with early-onset and patients with intermediate-onset bipolar disorder. *Bipolar Disord* 11(4):361–70.
- Petrides M, Pandya DN. 1984. Projections to the frontal cortex from the posterior parietal region in the rhesus monkey. *J Comp Neurol* 228(1):105–16.
- Pevsner J. 2002. Leonardo da Vinci’s contributions to neuroscience. *Trends Neurosci* 25(4): 217–20.
- Pianigiani O. 1993. *Vocabolario etimologico della lingua italiana*. Genoa: Polaris.
- Piccolino M, Bresadola M. 2013. *Shocking frogs. Galvani, Volta, and the electric origins of neuroscience*. New York, NY: Oxford University Press.
- Piccolomini A. 1586. *Anatomicae praelationes, explicantes mirificam corporis humani fabricam*. Roma: Bonfadini.
- Pierpaoli C, Jezzard P, Bassar PJ, Barnett A, Di Chiro G. 1996. Diffusion tensor MR imaging of the human brain. *Radiology* 201(3):637–48.
- Porzionato A, Macchi V, Stecco C, Parenti C, Parenti A, De Caro R. 2012. The anatomical school of Padua. *Anat Rec (Hoboken)* 295(6):902–16.
- Preston C. 1697. An account of a child born alive without a brain, and the observables in it on dissection. *R Soc Lond Phil Trans* 19:457–67.
- Purkinje JE. 1838. Nuestre Untersuchungen aus der Nerven- und Hirn-anatomie. Bericht über die Versammlung deutscher Naturforschen und Artze *Prag Sept.* 1837:177–80.
- Purves D, Augustine GJ, Fitzpatrick D, Lawrence CK, Lamantia AS, McNamara JO, Williams SM (Eds). 2001. *Neuroscience*. Sunderland, MA: Sinauer Associates.

- Raichle ME, MacLeod AM, Snyder AZ, Powers WJ, Gusnard DA, Shulman GL. 2001. A default mode of brain function. *Proc Natl Acad Sci U S A* 98(2):676–82.
- Raichle ME, Snyder AZ. 2007. A default mode of brain function: a brief history of an evolving idea. *Neuroimage* 37(4):1083–90; discussion 1097–9.
- Ramnani N. 2006. The primate cortico-cerebellar system: anatomy and function. *Nat Rev Neurosci* 7(7):511–22.
- Reil JC. 1809. Die Sylvische Grube oder das Thal, das gestreifte große Hirnganglion, dessen Kapsel und die Seitentheile des großen Gehirns. *Arch Physiol* 9:195–208.
- Reil JC. 1812. Die vordere Commissur im großen Gehirn. *Arch Physiol* 11:89–100.
- Riva A, Orrù B, Pirino A, Riva FT. 2001. Iulius Casserius (1552–1616): the self-made anatomist of Padua's golden age. *Anat Rec* 265(4):168–75.
- Rocca J. 1997. Galen and the ventricular system. *J Hist Neurosci* 6(3):227–39.
- Rocca J. 1998. A Note on the Term Fornix. *J Hist Neurosci* 7(3):243.
- Rocca J. 2003. Galen on the brain: anatomical knowledge and physiological speculation in the second century A.D. In: *Studies in ancient medicine* (Vol. 26). Leiden and Boston, MA: Brill.
- Rogalski E, Cobia D, Martersteck A, Rademaker A, Wienke C, Weintraub S, Mesulam M-M. 2014. Asymmetry of cortical decline in subtypes of primary progressive aphasia. *Neurology* 83(13):1184–91.
- Rolando L. 1809. *Saggio sopra la vera struttura del cervello dell'uomo e degl'animali e sopra le funzioni del sistema nervoso*. Sassari: Stamperia Privilegiata.
- Rosenberg CE. 1995. *The trial of the assassin Guiteau: psychiatry and the law in the gilded age*. Chicago, IL: University of Chicago Press.
- Rosenblatt F. 1958. The perceptron: a probabilistic model for information storage and organization in the brain. Cornell Aeronautical Laboratory. *Psychol Rev* 65(6):386–408.
- Sandrone S. 2013. A DMN-based functional taxonomy of the resting human brain: is essential really invisible to the eye? *Brain Res Bull* 99:A1–3.
- Sarton G. 1954. The Death and Burial of Vesalius, and, incidentally, of Cicero. *Isis* 45(2):131–37.
- Saunders JB de CM, O'Malley CD. 1950. *Vesalius. The illustrations from his works*. Cleveland, OH: World Publishing.
- Scheltens P, van de Pol L. 2012. Impact commentaries. Atrophy of medial temporal lobes on MRI in “probable” Alzheimer's disease and normal ageing: diagnostic value and neuropsychological correlates. *J Neurol Neurosurg Psychiatry* 83(11):1038–40.
- Schmahmann JD, Sherman JC. 1998. The cerebellar cognitive affective syndrome. *Brain* 121(4):561–79.
- Schneider KV. 1660. *Liber primus de catharris. Wittenbergae: Sumptibus haered. DT Mevii & E Schumacheri, Excudebat Michael Wendt*.
- Schwann T. 1839. *Mikroskopische Untersuchungen Über Die Übereinstimmung in Der Struktur und Dem Wachstum Der Tiere und Pflanzen*. Berlin: Reimer.
- Scoville WB, Dunsmore RH, Liberson WT, Henry CE, Pepe A. 1953. Observations on medial temporal lobotomy and uncotomy in the treatment of psychotic states; preliminary review of 19 operative cases compared with 60 frontal lobotomy and undercutting cases. *Res Publ Ass Nerv Ment Dis* 31:347.
- Scoville WB, Milner B. 1957. Loss of recent memory after bilateral hippocampal lesions. *J Neurol Neurosurg Psychiatry* 20(1):11–21.
- Seung S. 2012. *Connectome: how the brain's wiring makes us who we are*. Boston, MA: Houghton Mifflin Harcourt Trade.

- Simeone FA. 1984. Andreas Vesalius: anatomist, surgeon, count palatine, and pilgrim. *Am J Surg* 147(4):432–40.
- Singer C. 1943. To Vesalius on the fourth centenary of his *De Humani Corporis Fabrica*. *J Anat* 77(Pt 4):261–5.
- Singer C. 1952. *Vesalius on the human brain*. London: Oxford University Press.
- Singer C. 1957. *A short history of anatomy from the Greeks to Harvey (the evolution of anatomy)*. New York, NY: Dover.
- Smith PE. 1930. Hypophysectomy and a replacement therapy in the rat. *Am J Anat* 45:205–75.
- Spinoza B. 1677. *Ethica ordine geometrico demonstrata*. Amsterdam: Rieuwertsz.
- Spitzka EA. 1901. The post-mortem examination of Leon F. Czolgosz. *J Ment Pathol* 1(4–5):195–209.
- Sporns O, Tononi G, Kötter R. 2005. The human connectome: A structural description of the human brain. *PLoS Comput Biol* 1(4):e42.
- Sporns O. 2011. *Networks of the brain*. Cambridge, MA: MIT Press.
- Steno N. 1669. *Discours de Monsieur Stenon sur l'anatomie du cerveau*. Paris: Ninville.
- Strogatz SH. 2001. Exploring complex networks. *Nature* 410(6825):268–76.
- Sylvius F. 1663. *Disputationes medicarum pars prima, primarias corporis humani functiones naturales ex anatomicis, practicis et chymicis experimentiis deductas complectens*. Amsterdam: J. van den Bergh.
- Tarin P. 1750. *Anthropotomie, ou l'art de disséquer*. Paris: Chez Briasson.
- Testut L. 1897. *Traité d'anatomie humaine: anatomie descriptive, histologie, développement*. Paris: Doin.
- Thiebaut de Schotten M, Dell'Acqua F, Forkel S, Simmons A, Murphy DG, Catani M. 2011. A lateralized brain network for visuospatial attention. *Nat Neurosci* 14(10):1245–6.
- Tomasch J. 1954. Size, distribution, and number of fibres in the human corpus callosum. *Anat Rec* 119(1):119–35.
- Treviranus GR, Treviranus LC. 1816. *Vermischte Schriften anatomischen und physiologischen Inhalts*. Bey J. F. Röwer.
- Vann SD, Aggleton JP. 2004. The mammillary bodies: two memory systems in one? *Nat Rev Neurosci* 5(1):35–44.
- Varoli C. 1573. *De nervis opticis nonnullisque aliis praeter communem opinionem in humano capite observatis, epistolae*. Padua: Paulum et Antonium Meiettos.
- Vesalius A. 1538. *Tabulae anatomicae sex*. Venice: B. Vitalis.
- Vesalius A. 1539. *The venesection letter*. Basel: Winter.
- Vesalius A. 1543. *De humani corporis fabrica*. Basel: Oporini.
- Vesalius A. 1546. *Epistola de radicis Chiae usu*. Basel: Oporini.
- Vicq d'Azyr F. 1786. *Traité d'anatomie et de physiologie*. Paris: Didot l'Aine.
- Vieussens R. 1684. *Neurographia universalis*. Lyon, France: Certe.
- Vogt C, Vogt O. 1926. Die vergleichend-architektonische und vergleichend-reizphysiologische Felderung der Grosshirnrinde unter besonderer Berücksichtigung der menschlichen. *Naturwissenschaften* 14:1190–4.
- Wagenen W van, Herren R. 1940. Surgical division of commissural pathways in the corpus callosum. Relation to spread of an epileptic attack. *Arch Neurol Psychiat* 44(4):740–59.
- Wagner R. 1860. *Vorstudien zu einer wissenschaftlichen Morphologie und Physiologie des menschlichen Gehirns als Seelenorgan*. Göttingen: Dieterichschen Buchhandlung.
- Watson RT, Heilman KM. 1979. Thalamic neglect. *Neurology* 29(5):690–4.

- Wernicke C. 1874. *Der aphasische Symptomencomplex. Ein psychologische Studie auf anatomischer Basis.* (Eggert G, Trans.). Breslau: Cohn & Weigert.

White JG, Southgate E, Thomson JN, Brenner S. 1986. The structure of the nervous system of the nematode *Caenorhabditis elegans*. *Phil Trans R Soc Lond B* 314:1–340.

Williams AN, Alton HM, Sunderland R. 2003. A case of pituitary adenoma: Thomas Willis revisited. *Eur J Paediatr Neurol* 7(4):183–5.

Willis T. 1664. *Cerebri anatome*. London: Martyn & Allestry.

Wurtman R. 1968. Biological implications of artificial illumination. *IES Transaction* 63(10):523–8.

Yarbus AL. 1967. *Eye movements and vision*. New York, NY: Plenum Press.

Yazgan Y, Kinsbourne M. 2003. Functional consequences of changes in callosal areas in Tourette's syndrome and attention deficit/hyperactivity disorder. In: E Zaidel, M Iacoboni (Eds.), *The parallel brain: the cognitive neuroscience of the corpus callosum*. Cambridge, MA: MIT Press.

Zaidel E, Iacoboni M. 2003. *The parallel brain: the cognitive neuroscience of the corpus callosum*. Cambridge, MA: MIT Press.

Zilboorg G. 1943. Psychological sidelights on Andreas Vesalius. *Bull Hist Med* 141:562–75.

Zilles K, Amunts K. 2009. Receptor mapping: architecture of the human cerebral cortex. *Curr Opin Neurol* 22(4):331–9.

Zimmer C. 2004. *Soul made flesh: the discovery of the brain—and how it changed the world*. New York: Atria Books.

Zinn J-G. 1749. *Experimenta quaedam circa corpus callosum, cerebellum, duram meningem, in vivis animalibus instituta*. Göttingen: Abram Vandenhoeck.