

VR BRAIN EXPLORATION RESOURCES

RESOURCES

Neuroanatomy Basics Resources

- Brain Facts: [The Brain](#). Interactive 3 D model by Society for Neuroscience (2017).
- Brain Overview with interactive [Brain Diagram](#) by Healthline Media (2005-2020). Also describes anatomy and function and neurological conditions.
- Cohen-Gadol A. [Neuroanatomy | The Neurosurgical Atlas](#). 2020.
- Johnson KA, Becker JA. [The Whole Brain Atlas](#). 1999.
- Martin JH, Soliz E. [Interactive Neuroanatomy Atlas](#). 2003.
- Swenson RS. [Atlas of the Brain](#). 2009.
- Wheelock T. [An Introduction To Human Neuroanatomy](#). October 8, 2014.

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Brain and Obesity

- Volkow ND, Wang G-J, Baler RD. Reward, Dopamine and the Control of Food Intake: Implications for Obesity. *Trends Cogn Sci*. January 2011;15(1):37-46. doi:10.1016/j.tics.2010.11.001. PMCID: [PMC3124340](#). PMID: [21109477](#).

Brain and Addiction

- Goode TD, Maren S. Common Neurocircuitry Mediating Drug and Fear Relapse in Preclinical Models. *Psychopharmacology (Berl)*. January 2019;236(1):415-437. doi:10.1007/s00213-018-5024-3. PMCID: [PMC6373193](#). PMID: [30255379](#).
- Ekhtiari H, Rezapour T, Aupperle RL, Paulus MP. Neuroscience-Informed Psychoeducation for Addiction Medicine: A Neurocognitive Perspective. *Prog Brain Res*. 2017;235:239-264. doi:10.1016/bs.pbr.2017.08.013. PMCID: [PMC5771228](#). PMID: [29054291](#).
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Brain and 3D and VR Integration

- Ekstrand C, Jamal A, Nguyen R, Kudryk A, Mann J, Mendez I. *Immersive and Interactive Virtual Reality to Improve Learning and Retention of Neuroanatomy in Medical Students: A Randomized Controlled Study*. *CMAJ Open*. February 23, 2018;6(1):E103-E109. doi:10.9778/cmajo.20170110. PMCID: [PMC5878950](#). PMID: [29510979](#).

- Estevez ME, Lindgren KA, Bergethon PR. *A Novel Three-Dimensional Tool for Teaching Human Neuroanatomy*. *Anat Sci Educ*. December 2010;3(6):309-317. doi:10.1002/ase.186. PMID: 20939033. PMCID: PMC3189499.
- Kockro RA, Amaxopoulou C, Killeen T, et al. *Stereoscopic neuroanatomy lectures using a three-dimensional virtual reality environment*. *Annals of Anatomy – Anatomischer Anzeiger*. September 2015;201:91-98. doi:10.1016/j.aanat.2015.05.006.
- Morone PJ, Shah KJ, Hendricks BK, Cohen-Gadol AA. *Virtual, 3-Dimensional Temporal Bone Model and Its Educational Value for Neurosurgical Trainees*. *World Neurosurg*. February 2019;122:e1412-e1415. doi:10.1016/j.wneu.2018.11.074. PMID: 30471440.
- Naaz F, Chariker JH, Pani JR. *Computer-Based Learning: Graphical Integration of Whole and Sectional Neuroanatomy Improves Long-Term Retention*. *Cogn Instr*. 2014;32(1):44-64. doi:10.1080/07370008.2013.857672. PMID: 24563579. PMCID: PMC3930357.
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