

REFERENCE

- Ako, J., Bonneau, H. N., Honda, Y., & Fitzgerald, P. J. (2007). Design Criteria for the Ideal Drug-Eluting Stent. *The American Journal of Cardiology*, *100*(8), S3–S9.
- Albrecht, J., & Norenberg, M. D. (2006). Glutamine: A Trojan horse in ammonia neurotoxicity. *Hepatology*, *44*(4), 788–794.
- Aldehri, M., Temel, Y., Alnaami, I., Jahanshahi, A., & Heschem, S. (2018). Deep brain stimulation for Alzheimer’s Disease: An update. *Surgical Neurology International*, *9*, 58.
- Ali, G., & Ghasemi, N. (2011). Cytotoxic Effects of Different Extracts and Latex of *Ficus carica* L. on HeLa cell Line, *10*(October 2009), 273–277.
- Auer-Grumbach, M. (2008). Hereditary sensory neuropathy type I. *Orphanet Journal of Rare Diseases*, *3*, 7. <https://doi.org/10.1186/1750-1172-3-7>
- Axelrod, F. B., & Gold-von Simson, G. (2007). Hereditary sensory and autonomic neuropathies: types II, III, and IV. *Orphanet Journal of Rare Diseases*, *2*(1), 39.
- Batista, P., & Pereira, A. (2016). Quality of Life in Patients with Neurodegenerative Diseases. *Journal of Neurology and Neuroscience*, *7*(1).
- Batistatou, A., & Merry, E. (1993). Bcl-2 Affects Survival but Not Neuronal of PC12 Cells, *3*(October).
- Bird, T. D. (2008). Genetic aspects of Alzheimer disease. *Genetics in Medicine*, *10*(4), 231–239.
- Blair, D. T., & Dauner, A. (1992). Extrapyrarnidal symptoms are serious side-effects of antipsychotic and other drugs. *The Nurse Practitioner*, *17*(11), 56, 62–64, 67.
- Chen, X., & Pan, W. (2015). The Treatment Strategies for Neurodegenerative Diseases by Integrative Medicine, *201203*, 223–225.
- Chen, Z., Yu, W., & Strickland, S. (2007). Peripheral Regeneration.
- Cummings, J. (2017). Disease modification and Neuroprotection in neurodegenerative disorders. *Translational Neurodegeneration*, *6*, 25.
- Eik, L.-F., Naidu, M., David, P., Wong, K.-H., Tan, Y.-S., & Sabaratnam, V. (2012). *Lignosus rhinoceros* (Cooke) Ryvardeen: A Medicinal Mushroom That Stimulates Neurite Outgrowth in PC-12 Cells. *Evidence-Based Complementary and Alternative Medicine : ECAM*, *2012*, 320308.
- Eker, A., Fahrıođlu, U., & Serakinci, N. (2016). Late Onset Tremor and Ataxia Syndrome : FXTAS and its Ignored Peripheral Nervous System Findings in Diagnostic Criteria, 92–93.
- Friedman, M. (2015). Chemistry, Nutrition, and Health-Promoting Properties of *Hericium erinaceus* (Lion’s Mane) Mushroom Fruiting Bodies and Mycelia and Their Bioactive Compounds. *Journal of Agricultural and Food Chemistry*, *63*(32), 7108–7123.
- Gao, H., Hong, J., & Section, N. (2016). HHS Public Access, *29*(8), 357–365.
- Goedert, M. (2015). Alzheimer’s and Parkinson’s diseases: The prion concept in relation to assembled A , tau, and -synuclein. *Science*, *349*(6248), 1255555–1255555.

- González-Menéndez, V., Crespo, G., de Pedro, N., Diaz, C., Martín, J., Serrano, R., ... Genilloud, O. (2018). Fungal endophytes from arid areas of Andalusia: high potential sources for antifungal and antitumoral agents. *Scientific Reports*, *8*(1), 9729.
- Goodlett, C. R., & Horn, K. H. (2001). Mechanisms of alcohol-induced damage to the developing nervous system. *Alcohol Research & Health : The Journal of the National Institute on Alcohol Abuse and Alcoholism*, *25*(3), 175–184.
- Gutkin, B., & Ermentrout, G. B. (2006). Neuroscience: Spikes too kinky in the cortex? *Nature*, *440*(7087), 999–1000.
- Hahn, A. T., Jones, J. T., & Meyer, T. (2009). NIH Public Access, *8*(7), 1044–1052.
- Hansen, S. M., Berezin, V., & Bock, E. (2008). Signaling mechanisms of neurite outgrowth induced by the cell adhesion molecules NCAM and N-Cadherin. *Cellular and Molecular Life Sciences*, *65*(23), 3809–3821.
- Hebling, J., Bianchi, L., Basso, F. G., Scheffel, D. L., Soares, D. G., Carrilho, M. R. O., ... de Souza Costa, C. A. (2015). Cytotoxicity of dimethyl sulfoxide (DMSO) in direct contact with odontoblast-like cells. *Dental Materials : Official Publication of the Academy of Dental Materials*, *31*(4), 399–405.
- Helen, M. . (2010). *Anatomy & physiology*.
- Howard, S., Bottino, C., Brooke, S., Cheng, E., Giffard, R. G., & Sapolsky, R. (2002). Neuroprotective effects of bcl-2 overexpression in hippocampal cultures: interactions with pathways of oxidative damage. *Journal of Neurochemistry*, *83*(4), 914–923. Retrieved from
- Hu, S., Cui, W., Mak, S., Xu, D., Hu, Y., Tang, J., ... Han, Y. (2015). Substantial Neuroprotective and Neurite Outgrowth-Promoting Activities by Bis(propyl)-cognitin via the Activation of Alpha7-nAChR, a Promising Anti-Alzheimer's Dimer. *ACS Chemical Neuroscience*, *6*(9), 1536–1545.
- Huebner, E. A., & Strittmatter, S. M. (2009). Axon regeneration in the peripheral and central nervous systems. *Results and Problems in Cell Differentiation*, *48*, 339–351.
- Jankovic, J., & Aguilar, L. G. (2008). Current approaches to the treatment of Parkinson's disease. *Neuropsychiatric Disease and Treatment*, *4*(4), 743–757.
- Jeong, S. (2017). Molecular and Cellular Basis of Neurodegeneration in Alzheimer's Disease. *Molecules and Cells*, *40*(9), 613–620.
- Kasschau, R. A. (1980). Beginning psychology. *PsycCRITIQUES*, *25*(5). <https://doi.org/10.1037/018364>
- Khodosevich, K., & Monyer, H. (2010). Signaling involved in neurite outgrowth of postnatally born subventricular zone neurons in vitro. *BMC Neuroscience*, *11*(1), 18.
- Kovacs, G. G. (2015). Definition and current concepts of neurodegenerative diseases, 1–10.
- Kovacs, G. G. (2017). *Concepts and classification of neurodegenerative diseases. Handbook of Clinical Neurology* (1st ed., Vol. 145). Elsevier B.V.
- Kudo, T., Kanetaka, H., Mochizuki, K., Tominami, K., Nunome, S., Abe, G., ... Izumi, S. (2015). Induction of neurite outgrowth in PC12 cells treated with temperature-controlled repeated thermal

- stimulation. *PLoS One*, *10*(4), e0124024.
- Li, H.-Y., Ruan, Y.-W., Ren, C.-R., Cui, Q., & So, K.-F. (2014). Mechanisms of secondary degeneration after partial optic nerve transection. *Neural Regeneration Research*, *9*(6), 565–574.
- Liberio, M. S., Sadowski, M. C., Soekmadji, C., Davis, R. A., & Nelson, C. C. (2014). Differential Effects of Tissue Culture Coating Substrates on Prostate Cancer Cell Adherence, Morphology and Behavior. *PLoS ONE*, *9*(11), e112122.
- Liu, J., Yin, F., Guo, L., Deng, X., & Hu, Y. (2009). Neuroprotection of geniposide against hydrogen peroxide induced PC12 cells injury : involvement of PI3 kinase signal pathway, *30*(2), 159–165.
- Lodish, H., Berk, A., Zipursky, S. L., Matsudaira, P., Baltimore, D., & Darnell, J. (2000). Overview of Neuron Structure and Function.
- McConeghy, K. W., Hatton, J., Hughes, L., & Cook, A. M. (2012). A review of neuroprotection pharmacology and therapies in patients with acute traumatic brain injury. *CNS Drugs*, *26*(7), 613–636.
- Montie, H. L., Durcan, T. M., & Burns, M. P. (2013). The cell and molecular biology of neurodegenerative diseases: an overview.
- Nallathamby, N., Phan, C. W., Seow, S. L. S., Baskaran, A., Lakshmanan, H., Abd Malek, S. N., & Sabaratnam, V. (2018). A status review of the bioactive activities of tiger milk mushroom *Lignosus rhinocerotis* (Cooke) Ryvardeen. *Frontiers in Pharmacology*, *8*(JAN).
- Neuhaus, A. A., Couch, Y., Hadley, G., & Buchan, A. M. (2018). Neuroprotection in stroke : the importance of collaboration and reproducibility, (May).
- Olivares, D., Deshpande, V. K., Shi, Y., Lahiri, D. K., Greig, N. H., Rogers, J. T., & Huang, X. (2012). N-Methyl D-Aspartate (NMDA) Receptor Antagonists and Memantine Treatment for Alzheimer's Disease, Vascular Dementia and Parkinson's Disease HHS Public Access. *Curr Alzheimer Res*, *9*(6), 746–758.
- Pan, W., Kwak, S., Liu, Y., Sun, Y., Fang, Z., Qin, B., & Yamamoto, Y. (2011). Traditional Chinese Medicine Improves Activities of Daily Living in Parkinson's Disease. *Parkinson's Disease*, *2011*, 1–7.
- Pan, W., Liu, J., Wang, Q., Lu, H., Bai, Y., Liu, Y., ... Zhou, H. (2014). Clinical Study on Chronic Pain in Parkinson's Disease Patients in Shanghai, China. *Integrative Medicine International*, *1*(2), 93–101.
- Pan, W., Liu, Y., Fang, Z., Zhu, X., Pan, W., Kwak, S., & Yamamoto, Y. (2011). A compound belonging to traditional Chinese medicine improves nocturnal activity in Parkinson's disease. *Sleep Medicine*, *12*(3), 307–308.
- Parsons, C. G., Danysz, W., Dekundy, A., & Pulte, I. (2013). Memantine and Cholinesterase Inhibitors : Complementary Mechanisms in the Treatment of Alzheimer ' s Disease, 358–369.
- Phatak, N. R., Stankowska, D. L., & Krishnamoorthy, R. R. (2016). Bcl-2, Bcl-xL, and p-AKT are involved in neuroprotective effects of transcription factor Brn3b in an ocular hypertension rat model of glaucoma. *Molecular Vision*, *22*, 1048–1061.

- Przedborski, S., Vila, M., & Jackson-Lewis, V. (2003). Neurodegeneration: what is it and where are we? *The Journal of Clinical Investigation*, *111*(1), 3–10.
- Purves, D., Augustine, G. J., Fitzpatrick, D., Katz, L. C., LaMantia, A.-S., McNamara, J. O., & Williams, S. M. (2001). Recovery from Neural Injury. Retrieved from <https://www.ncbi.nlm.nih.gov/books/NBK10856/>
- Reinking, L. (2007). ImageJ Basics, (June).
- Riss, T. L., Moravec, R. A., Niles, A. L., Duellman, S., Benink, H. A., Worzella, T. J., & Minor, L. (2004). *Cell Viability Assays. Assay Guidance Manual*. Eli Lilly & Company and the National Center for Advancing Translational Sciences.
- Rogers, J. T., & Huang, X. (2016). N-Methyl D-Aspartate (NMDA) Receptor Antagonists and Memantine Treatment for Alzheimer’s Disease, Vascular Dementia and Parkinson’s Disease, *9*(6), 746–758.
- Roloff, F., Scheiblich, H., Dewitz, C., Dempewolf, S., & Stern, M. (2015). Enhanced Neurite Outgrowth of Human Model (NT2) Neurons by Small-Molecule Inhibitors of Rho / ROCK Signaling, 1–14.
- Sanders, T., Liu, Y.-M., & Tchounwou, P. B. (2015). Cytotoxic, genotoxic, and neurotoxic effects of Mg, Pb, and Fe on pheochromocytoma (PC-12) cells. *Environmental Toxicology*, *30*(12), 1445–1458.
- Schmahmann, J. D. (2004). Disorders of the Cerebellum: Ataxia, Dysmetria of Thought, and the Cerebellar Cognitive Affective Syndrome. *The Journal of Neuropsychiatry and Clinical Neurosciences*, *16*(3), 367–378.
- Seow, S. L. S., Eik, L. F., Naidu, M., David, P., Wong, K. H., & Sabaratnam, V. (2015). Lignosus rhinocerotis (Cooke) Ryvariden mimics the neuritogenic activity of nerve growth factor via MEK/ERK1/2 signaling pathway in PC-12 cells. *Scientific Reports*, *5*(October), 1–13.
- Shvets, V. N. (1975). [Foci of lymphocyte-like cells in the bone marrow of irradiated mice]. *Meditsinskaia Radiologija*, *20*(9), 70–72.
- Squire, L. R., Bloom, F. E., Spitzer, N. C., Lac, S. du, Ghosh, A., & Berg, D. (2008). *Fundamental Neuroscience. Fundamental Neuroscience*.
- Standring, S., & Borley, N. R. (2008). *Gray’s Anatomy : The Anatomical Basis of Clinical Practice*.
- Stocchetti, N., Taccone, F. S., Citerio, G., Pepe, P. E., Roux, P. D., Oddo, M., ... Vincent, J. L. (2015). Neuroprotection in acute brain injury: An up-to-date review. *Critical Care*, *19*(1), 1–11.
- Tysnes, O. B., & Storstein, A. (2017). Epidemiology of Parkinson’s disease. *Journal of Neural Transmission*, *124*(8), 901–905.
- Vajda, F. J. E. (2002). Neuroprotection and neurodegenerative disease. *Journal of Clinical Neuroscience*, *9*(1), 4–8.
- Wang, Z.-M., Cai, P., Liu, Q.-H., Xu, D.-Q., Yang, X.-L., Wu, J.-J., ... Wang, X.-B. (2016). Rational modification of donepezil as multifunctional acetylcholinesterase inhibitors for the treatment of Alzheimer’s disease. *European Journal of Medicinal Chemistry*, *123*, 282–297.

- Whittemore, E. R., Loo, D. T., Watt, J. A., & Cotman, C. W. (1995). A detailed analysis of hydrogen peroxide-induced cell death in primary neuronal culture. *Neuroscience*, *67*(4), 921–932.
- Yacoubian, T. A. (2017). Neurodegenerative Disorders. In *Drug Discovery Approaches for the Treatment of Neurodegenerative Disorders* (pp. 1–16). Elsevier.
- Yap, Y. H., Tan, N., Fung, S., Aziz, A. A., Tan, C., & Ng, S. (2013). Nutrient composition, antioxidant properties, and anti-proliferative activity of *Lignosus rhinocerus* Cooke sclerotium. *Journal of the Science of Food and Agriculture*, *93*(12), 2945–2952.
- Zhang, C. C., Yin, X., Cao, C. Y., Wei, J., Zhang, Q., & Gao, J. M. (2015). Chemical constituents from *Hericium erinaceus* and their ability to stimulate NGF-mediated neurite outgrowth on PC12 cells. *Bioorganic and Medicinal Chemistry Letters*, *25*(22), 5078–5082.
- Zhang, C., Cao, C., Kubo, M., Harada, K., & Yan, X. (n.d.). Chemical Constituents from *Hericium erinaceus* Promote Neuronal Survival and Potentiate Neurite Outgrowth via the TrkA / Erk1 / 2 Pathway.