

DAFTAR PUSTAKA

- Abbasi, F., Korooni, S., Abbasi, F., Korooni, S., 2017. Infectious Complications after Spinal Cord Injury, *Essentials of Spinal Cord Injury Medicine*. IntechOpen. <https://doi.org/10.5772/intechopen.72783>
- Akoglu, H., 2018. User's guide to correlation coefficients. *Turk. J. Emerg. Med.* 18, 91–93. <https://doi.org/10.1016/j.tjem.2018.08.001>
- Alisauskaite, N., Spitzbarth, I., Baumgärtner, W., Dziallas, P., Kramer, S., Denning, R., Stein, V.M., Tipold, A., 2017. Chronic post-traumatic intramedullary lesions in dogs, a translational model. *PLOS ONE* 12, e0187746. <https://doi.org/10.1371/journal.pone.0187746>
- Allison, D.J., Gabriel, D.A., Klentrou, P., Josse, A.R., Ditor, D.S., 2017. The Influence of Chronic Inflammation on Peripheral Motor Nerve Conduction Following Spinal Cord Injury: A Randomized Clinical Trial. *Top. Spinal Cord Inj. Rehabil.* 23, 377–385. <https://doi.org/10.1310/sci16-00045>
- Anwar, M.A., Al Shehabi, T.S., Eid, A.H., 2016. Inflammogenesis of Secondary Spinal Cord Injury. *Front. Cell. Neurosci.* 10, 98. <https://doi.org/10.3389/fncel.2016.00098>
- Bergknut, N., Forterre, F., Levine, J.M., Lasser, S.D., Fingerroth, J.M., 2015. Comparisons between Biped (Human) and Quadruped (Canine/Feline) Intervertebral Disc Disease, in: *Advances in Intervertebral Disc Disease in Dogs and Cats*. John Wiley & Sons, Ltd, pp. 14–22. <https://doi.org/10.1002/9781118940372.ch3>

Charan, J., Kantharia, N.D., 2013. How to calculate sample size in animal studies?

[WWW Document]. URL <https://journals.sagepub.com/doi/10.4103/0976-500X.119726> (accessed 9.14.23).

Cheng, I., Park, D.Y., Mayle, R.E., Githens, M., Smith, R.L., Park, H.Y., Hu, S.S.,

Alamin, T.F., Wood, K.B., Kharazi, A.I., 2017. Does timing of transplantation of neural stem cells following spinal cord injury affect outcomes in an animal model? *J. Spine Surg.* 3, 567–571. <https://doi.org/10.21037/jss.2017.10.06>

Cheriyian, T., Ryan, D.J., Weinreb, J.H., Cheriyian, J., Paul, J.C., Lafage, V., Kirsch,

T., Errico, T.J., 2014. Spinal cord injury models: a review. *Spinal Cord* 52, 588–595. <https://doi.org/10.1038/sc.2014.91>

Chung, W.-H., Lee, J.-H., Chung, D.-J., Yang, W.-J., Lee, A.-J., Choi, C.-B.,

Chang, H.-S., Kim, D.-H., Chung, H.J., Suh, H.J., Hwang, S.-H., Han, H., Do, S.H., Kim, H.-Y., 2013. Improved rat spinal cord injury model using spinal cord compression by percutaneous method. *J. Vet. Sci.* 14, 329–335. <https://doi.org/10.4142/jvs.2013.14.3.329>

Courtine, G., Bunge, M.B., Fawcett, J.W., Grossman, R.G., Kaas, J.H., Lemon, R.,

Maier, I., Martin, J., Nudo, R.J., Ramon-Cueto, A., Rouiller, E.M., Schnell, L., Wannier, T., Schwab, M.E., Edgerton, V.R., 2007. Can experiments in nonhuman primates expedite the translation of treatments for spinal cord injury in humans? *Nat. Med.* 13, 561–566. <https://doi.org/10.1038/nm1595>.

Edge-Hughes, L., 2013. *Canine Myotomes & Dermatomes*. [Online] Available at:

<https://www.fourleg.com/media/Dermatome-Myotome-Cheat-Sheet.pdf>

[Accessed 14 November 2022].

Evans, H.E., DeLahunta, A., 2017. Guide to the dissection of the dog, Eighth edition. ed. Elsevier, St. Louis, Missouri.

Feng, C. *et al.* 2023. The application of biomaterials in Spinal Cord Injury, *International Journal of Molecular Sciences*, 24(1), p. 816. doi:10.3390/ijms24010816.

Fleming, J.C., Norenberg, M.D., Ramsay, D.A., Dekaban, G.A., Marcillo, A.E., Saenz, A.D., Pasquale-Styles, M., Dietrich, W.D., Weaver, L.C., 2006. The cellular inflammatory response in human spinal cords after injury. *Brain* 129, 3249–3269. <https://doi.org/10.1093/brain/awl296>

Golestani, A., Shobeiri, P., Sadeghi-Naini, M., Jazayeri, S.B., Maroufi, S.F., Ghodsi, Z., Dabbagh Ohadi, M.A., Mohammadi, E., Rahimi-Movaghar, V., Ghodsi, S.M., 2022. Epidemiology of Traumatic Spinal Cord Injury in Developing Countries from 2009 to 2020: A Systematic Review and Meta-Analysis. *Neuroepidemiology* 1–21. <https://doi.org/10.1159/000524867>

Gouveia, D., Fonseca, S., Carvalho, C., Cardoso, A., Almeida, A., Gamboa, Ó., Canejo-Teixeira, R., Ferreira, A., Martins, Â., 2023. Clinical Occurrences in the Neurorehabilitation of Dogs with Severe Spinal Cord Injury. *Animals* 13, 1164. <https://doi.org/10.3390/ani13071164>

Heo, S.-D., Kim, J., Choi, Y., Ekanayake, P., Ahn, M., Shin, T., 2020. Hesperidin improves motor disability in rat spinal cord injury through anti-

inflammatory and antioxidant mechanism via Nrf-2/HO-1 pathway.

Neurosci. Lett. 715, 134619. <https://doi.org/10.1016/j.neulet.2019.134619>

Hirotsu, A., Miyao, M., Tatsumi, K., Tanaka, T., 2022. Sepsis-associated neuroinflammation in the spinal cord. PLoS ONE 17, e0269924. <https://doi.org/10.1371/journal.pone.0269924>

Jogia, T., Lübstorff, T., Jacobson, E., Scriven, E., Atresh, S., Nguyen, Q.H., Liebscher, T., Schwab, J.M., Kopp, M.A., Walsham, J., Campbell, K.E., Ruitenberg, M.J., 2021. Prognostic value of early leukocyte fluctuations for recovery from traumatic spinal cord injury. Clin. Transl. Med. 11. <https://doi.org/10.1002/ctm2.272>

Khan, A., Shal, B., Khan, A.U., Ullah, R., Baig, M.W., ul Haq, I., Seo, E.K., Khan, S., 2021. Suppression of TRPV1/TRPM8/P2Y Nociceptors by Withametelin via Downregulating MAPK Signaling in Mouse Model of Vincristine-Induced Neuropathic Pain. Int. J. Mol. Sci. 22, 6084. <https://doi.org/10.3390/ijms22116084>

Kumar, R., Lim, J., Mekary, R.A., Rattani, A., Dewan, M.C., Sharif, S.Y., Osorio-Fonseca, E., Park, K.B., 2018. Traumatic Spinal Injury: Global Epidemiology and Worldwide Volume. World Neurosurg. 113, e345–e363. <https://doi.org/10.1016/j.wneu.2018.02.033>

Liu, X., Zhang, Y., Wang, Y., Qian, T., 2021. Inflammatory Response to Spinal Cord Injury and Its Treatment. World Neurosurg. 155, 19–31. <https://doi.org/10.1016/j.wneu.2021.07.148>

McHugh, M.L., 2012. Interrater reliability: the kappa statistic. *Biochem. Medica* 22, 276–282.

McKinley, W., Santos, K., Meade, M., Brooke, K., 2007. Incidence and Outcomes of Spinal Cord Injury Clinical Syndromes. *J. Spinal Cord Med.* 30, 215–224.

Moore, K.L., Dalley, A.F. and Agur, A.M.R. 2018. *Clinically Oriented Anatomy*. 8th ed. Philadelphia: Lippincott Williams and Wilkins.

Sakiyama-Elbert, S., Johnson, P.J., Hodgetts, S.I., Plant, G.W., Harvey, A.R., 2012. Scaffolds to promote spinal cord regeneration. *Handb. Clin. Neurol.* 109, 575–594. <https://doi.org/10.1016/B978-0-444-52137-8.00036-X>

Schmidt, E., Raposo, P., Vavrek, R., Fouad, K., 2021. Inducing inflammation following subacute spinal cord injury in female rats: A double-edged sword to promote motor recovery. *Brain. Behav. Immun.* 93, 55–65. <https://doi.org/10.1016/j.bbi.2020.12.013>

Seno, A., Maruhashi, T., Kaifu, T., Yabe, R., Fujikado, N., Ma, G., Ikarashi, T., Kakuta, S., Iwakura, Y., 2015. Exacerbation of experimental autoimmune encephalomyelitis in mice deficient for DCIR, an inhibitory C-type lectin receptor. *Exp. Anim.* 64, 109–119. <https://doi.org/10.1538/expanim.14-0079>

Shao, A., Tu, S., Lu, J., Zhang, J., 2019. Crosstalk between stem cell and spinal cord injury: pathophysiology and treatment strategies. *Stem Cell Res. Ther.* 10, 238. <https://doi.org/10.1186/s13287-019-1357-z>

Sharif-Alhoseini, M., Khormali, M., Rezaei, M., Safdarian, M., Hajighadery, A., Khalatbari, M.M., Safdarian, M., Meknatkhah, S., Rezvan, M., Chalangari, M., Derakhshan, P., Rahimi-Movaghar, V., 2017. Animal models of spinal cord injury: a systematic review. *Spinal Cord* 55, 714–721. <https://doi.org/10.1038/sc.2016.187>

Shinozaki, M., Nagoshi, N., Nakamura, M., Okano, H., 2021. Mechanisms of Stem Cell Therapy in Spinal Cord Injuries. *Cells* 10, 2676. <https://doi.org/10.3390/cells10102676>

Song, R., Basso, D., Costa, R., Fisher, L., Mo, X., Moore, S., 2016. Adaptation of the Basso–Beattie–Bresnahan locomotor rating scale for use in a clinical model of spinal cord injury in dogs. *Journal of Neuroscience Methods* 268, 117–124. <http://dx.doi.org/10.1016/j.jneumeth.2016.04.023>

Šulla, I., Balik, V., Hornak, S., Ledecký, V., 2018. Spinal Cord Injuries in Dogs Part I: A Review of Basic Knowledge. *Folia Vet.* 62, 35–44. <https://doi.org/10.2478/fv-2018-0015>

Tam, R.Y., Fuehrmann, T., Mitrousis, N., Shoichet, M.S., 2014. Regenerative Therapies for Central Nervous System Diseases: a Biomaterials Approach. *Neuropsychopharmacology* 39, 169–188. <https://doi.org/10.1038/npp.2013.237>

Teng, Y.D., Lavik, E.B., Qu, X., Park, K.I., Ourednik, J., Zurakowski, D., Langer, R., Snyder, E.Y., 2002. Functional recovery following traumatic spinal cord injury mediated by a unique polymer scaffold seeded with neural stem cells.

Proc. Natl. Acad. Sci. 99, 3024–3029.

<https://doi.org/10.1073/pnas.052678899>

Tewarie, R.S.N., Hurtado, A., Bartels, R.H., Grotenhuis, A., Oudega, M., 2009.

Stem Cell–Based Therapies for Spinal Cord Injury. *J. Spinal Cord Med.* 32, 105–114.

Thomson, C., Hahn, C., Johnson, C., 2012. *Veterinary neuroanatomy: a clinical approach.* Saunders Elsevier, Edinburgh ; Philadelphia.

Trivedi, A., Olivas, A.D., Noble-Haeusslein, L.J., 2006. Inflammation and Spinal

Cord Injury: Infiltrating Leukocytes as Determinants of Injury and Repair

Processes. *Clin. Neurosci. Res.* 6, 283–292.

<https://doi.org/10.1016/j.cnr.2006.09.007>

Walsh, C.M., Gull, K., Dooley, D., 2022. Motor rehabilitation as a therapeutic tool

for spinal cord injury: New perspectives in immunomodulation. *Cytokine*

Growth Factor Rev. <https://doi.org/10.1016/j.cytogfr.2022.08.005>

Zhou, R., Li, J., Chen, Z., Wang, R., Shen, Y., Zhang, R., Zhou, F., Zhang, Y.,

2023. Pathological hemodynamic changes and leukocyte transmigration

disrupt the blood–spinal cord barrier after spinal cord injury. *J.*

Neuroinflammation 20, 118. <https://doi.org/10.1186/s12974-023-02787-w>