

Educational Peer-Reviewed Investigational & Clinical Research Publications Bibliography

These journal articles may describe off-label uses of ClearPoint Neuro's devices and technology. Please refer to the appropriate device labeling for further details.

Zagorchev, L.*, Brueck, M., Fläschner, N., Wenzel, F., Hyde, D., Ewald, A. and Peters, J. **Patient-Specific Sensor Registration for Electrical Source Imaging Using a Deformable Head Model.** *IEEE Engineering in Medicine & Biology Society*. 30 December 2020; 68(1), pp.267-275. <https://www.embs.org/tbme/articles/patient-specific-sensor-registration-for-electrical-source-imaging-using-a-deformable-head-model/>

Salegio EA, Talbott JF, Larson PS, Mabray MC, et al. **Accuracy of image-guided percutaneous injection into a phantom spinal cord utilizing flat panel detector CT with MR fusion and integrated navigational software.** *Journal of NeuroInterventional Surgery*. 2018;10(12). [doi:10.1136/neurintsurg-2018-013878](https://doi.org/10.1136/neurintsurg-2018-013878)

Salegio E.A.***, Campagna MV, Allen PC, et al. **Targeted Delivery and Tolerability of MRI-Guided CED Infusion into the Cerebellum of Nonhuman Primates.** *Human Gene Therapy Methods*. 1 August 2018; 68(1), pp.267-275. [doi:10.1089/hgtb.2018.049](https://doi.org/10.1089/hgtb.2018.049).

Zagorchev, L.*, Meyer, C., Stehle, T., Wenzel, F., Young, S., Peters, J., Weese, J., Paulsen, K., Garlinghouse, M., Ford, J. and Roth, R. **Differences in Regional Brain Volumes Two Months and One Year After Mild Traumatic Brain Injury.** *Journal of Neurotrauma*. 24 December 2015; 33(1), pp.29-34. [doi:10.1089/neu.2014.3831](https://doi.org/10.1089/neu.2014.3831).

Salegio E.A.***, Samaranch L, Kells AP, et al. **Guided Delivery of Adeno-Associated Viral Vectors in the Primate Brain.** *Advanced Drug Delivery Reviews*. 15 May 2012; 64(7): 598-604. [doi:10.1016/j.addr.2011.10.005](https://doi.org/10.1016/j.addr.2011.10.005).

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ClearPoint Neuro, Inc. Indications for Use (K142505): *The ClearPoint® System is intended to provide stereotactic guidance for the placement and operation of instruments or devices during planning and operation of neurological procedures within the MRI environment and in conjunction with MR imaging. The ClearPoint System is intended as an integral part of procedures that have traditionally used stereotactic methodology. These procedures include biopsies, catheter and electrode insertion including deep brain stimulation (DBS) lead placement. The System is intended for use only with 1.5 and 3.0 Tesla MRI scanners and MR Conditional implants and devices. The user should consult the "Navigational Accuracy" section of the User's Guide to assess if the accuracy of the system is suitable for their needs.*

For any further questions on our educational resources, please reach out to our Vice President of Translational and Pre-Clinical Research, [Ernesto Salegio, PhD.](#)