Resource Summary Report

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Leica Impact One Stereotaxic Impactor

RRID:SCR_025114
Type: Tool

Proper Citation

Leica Impact One Stereotaxic Impactor (RRID:SCR_025114)

Resource Information

URL: https://pdf.medicalexpo.com/pdf/leica-biosystems/stereotaxic-solutions/95735-188788.html

Proper Citation: Leica Impact One Stereotaxic Impactor (RRID:SCR_025114)

Description: System used for small animal brain surgery. Allows to create neurotrauma model with unprecedented degree of reproducibility of the direction of impact and position of the injury. Controlled impact injury device. Device used for traumatic brain injury induction.

Synonyms: , Impact One Stereotaxic Impactor, Leica MyNeuroLab Impact One, Leica MyNeuroLab Impact One Stereotaxic Impactor

Resource Type: instrument resource

Keywords: CCI, Controlled Cortical Impact Model, stereotaxic, Neuroscience

Funding:

Availability: Restricted

Resource Name: Leica Impact One Stereotaxic Impactor

Resource ID: SCR_025114

Alternate IDs: Model_Number_Impact One

Alternate URLs: https://www.leicabiosystems.com/us/research/neuroscience/

Record Creation Time: 20240318T174908+0000

Record Last Update: 20250420T020233+0000

Ratings and Alerts

No rating or validation information has been found for Leica Impact One Stereotaxic Impactor.

No alerts have been found for Leica Impact One Stereotaxic Impactor.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 13 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

White MR, et al. (2023) Regional variances depict a unique glial-specific inflammatory response following closed-head injury. Frontiers in cellular neuroscience, 17, 1076851.

Honig MG, et al. (2021) Raloxifene Modulates Microglia and Rescues Visual Deficits and Pathology After Impact Traumatic Brain Injury. Frontiers in neuroscience, 15, 701317.

Ozga-Hess JE, et al. (2020) Unilateral parietal brain injury increases risk-taking on a rat gambling task. Experimental neurology, 327, 113217.

Shaver TK, et al. (2019) Long-term deficits in risky decision-making after traumatic brain injury on a rat analog of the Iowa gambling task. Brain research, 1704, 103.

Chou A, et al. (2018) Persistent Infiltration and Impaired Response of Peripherally-Derived Monocytes after Traumatic Brain Injury in the Aged Brain. International journal of molecular sciences, 19(6).

Kim Y, et al. (2018) Characterization of controlled cortical impact devices by high-speed image analysis. Journal of neuroscience research, 96(4), 501.

Schwerin SC, et al. (2017) Establishing the ferret as a gyrencephalic animal model of traumatic brain injury: Optimization of controlled cortical impact procedures. Journal of neuroscience methods, 285, 82.

Sindelar B, et al. (2017) Effect of Internal Jugular Vein Compression on Intracranial Hemorrhage in a Porcine Controlled Cortical Impact Model. Journal of neurotrauma, 34(8), 1703.

Hutchinson EB, et al. (2016) Quantitative MRI and DTI Abnormalities During the Acute Period Following CCI in the Ferret. Shock (Augusta, Ga.), 46(3 Suppl 1), 167.

Febinger HY, et al. (2015) Time-dependent effects of CX3CR1 in a mouse model of mild traumatic brain injury. Journal of neuroinflammation, 12, 154.

Choi BY, et al. (2014) Zinc chelation reduces traumatic brain injury-induced neurogenesis in the subgranular zone of the hippocampal dentate gyrus. Journal of trace elements in medicine and biology : organ of the Society for Minerals and Trace Elements (GMS), 28(4), 474.

Washington PM, et al. (2012) The effect of injury severity on behavior: a phenotypic study of cognitive and emotional deficits after mild, moderate, and severe controlled cortical impact injury in mice. Journal of neurotrauma, 29(13), 2283.

Liu XH, et al. (1989) [100 cases of investigations on the psychological needs of in-patients]. Zhonghua hu li za zhi = Chinese journal of nursing, 24(4), 221.