



Superior Cervical Ganglion Denervation

Surgery Code: GANGLION, GANGLIONBI

The superior cervical ganglion denervation model is of benefit to preclinical or research studies involving the effect of sympathetic innervations on the other organ systems.

Animal Models

Typical selections are listed below; however, choices for strain, age and weight may be limited due to model anatomy and/or physiological conditions.

- Rats: male/female, any strain, weight \geq 150 g
- Mice: male/female, any strain, weight \geq 22 g

Procedure Details

- **Perioperative care:** Please view our Pre- and Postoperative Care Sheet, which can be found at www.criver.com/opcare.
- **Housing:** The animals can be group housed.
- **Diet:** No special diet is required.
- **Postoperative holding period:** At a minimum, post-op animals are held overnight, with the majority of animals shipping within 7 days of surgery.
- **Maintenance:** Wound clips should be removed 7-10 days after surgery.

Surgical Summary

An incision is made on the ventral midline of the neck up to the mandible. The salivary glands and sternohyoid muscles are retracted, and the carotid artery and its internal and external branches with the superior ganglion are identified. A small section of the nerve, beyond the caudal portion

of the ganglion, is excised. To create the bilateral ganglion denervation model, the process is repeated on the other side though the same skin incision. The skin incision is closed with wound clips or per request.

IACUC

The Charles River Institutional Animal Care and Use Committee (IACUC) governs the entire surgical process, including all anesthesia, analgesia, animal preparation and any post-operative holding in Charles River facilities prior to shipment. Review of experimental protocols, authorization to order animals that are surgically modified from Charles River, and all aspects concerning the use of animals after they arrive at the institution are the responsibility of the receiving institution's IACUC.

Contact Us

For more information, visit www.criver.com/surgery. For specific surgery-related questions, please contact our technical experts at 1.877.CRIVER.1 (1.877.274.8371) or askcharlesriver@crl.com. To place an order or get a quote, contact our Customer Service Department at 1.800.LABRATS (1.800.522.7287).