



Carotid Artery Catheter – Cranial Dosing

Surgery Code: CARART-CD

The carotid artery catheter for cranial dosing is of benefit to preclinical or research studies as it allows for easy and/or repeated dosing to the brain without the need for anesthesia. The procedure can only be used for manual dosing of the brain or as a means for long-term infusion using automated equipment.

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 75 g
- Mice: male/female, any strain, weight \geq 19 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 must be singly 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 5 days of surgery.
- **Maintenance:** Incision wound clips should be removed 7-10 days after surgery. Any wound clip used to secure a catheter needs to be replaced every 7-10 days. Catheters should be maintained following the Charles River Handling Instructions, which can be found at www.criver.com/handling.

Surgical Summary

A catheter is inserted into the left common carotid artery and advanced cranially. The catheter is secured to the muscle next to the vessel. The catheter is tunneled subcutaneously to the dorsal incision, exteriorized in the scapular region and secured using wound clip or alternative methods 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 postoperative 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 the 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).