charles river

SURGICAL SERVICES - NORTH AMERICA

Abdominal Aortic Banding

Surgery Code: ABDBAND

The abdominal aortic banding model is of benefit to preclinical or research studies involving the study of hypertension and/or hypertensive heart disease.

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 ≥ 125-200 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.
- **Post-surgery holding period:** At a minimum, post-op animals are held 3 days, with the majority of animals shipping within 7 days of surgery.
- **Maintenance:** Incision wound clips should be removed 7-10 days after surgery.

Surgical Summary

The animal is placed in dorsal recumbancy. A midline ventral skin incision is made, and the abdominal cavity is entered. A portion of the abdominal aorta between the renal arteries is first isolated, then ligatures for restricting blood flow are placed around the vessel. Per request, the banding can be done using hemoclip, provided by the customer. Also per request, the banding can be placed at a different section of abdominal aorta. The incision is closed with sutures, and 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 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 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).