Sheep Ovarian Artery: Acute Blood Flow Measurement

**APPLICATION BASICS**
- **Site:** Ovarian artery
- **Species:** Sheep
- **Weight:** 40 kg
- **Duration:** Acute

**PROBE**
- **Size:** 4 mm (side exit)
- **Reflector:** U with wide silicone shield
- **Connector:** 10-pin
- **Cable Length:** 1 meter
- **Catalog #:** MA-4PSS-USW-WC100-CRA10-GA

**FLOWMETER**
- **TS420 Perivascular Module**

---

**Surgical Approach**
Anesthetize ewe with 5% sodium thiopentone at 10-15 mg/kg, and maintain after intubation by closed system inhalation anesthesia, using halothane (1-4%) along with oxygen.

Place anesthetized ewe in dorsal recumbency and open the abdominal wall by a ventral incision just anterior to the mammary gland, and expose the uterus and ovaries. Dissect a section of the ovarian vascular plexus just above the uterine anastomosis and 4 cm from the ovaries free of connective tissue and separate from major ovarian veins. Place the Flowprobe around the vascular structure as shown in Fig. 1, and suture the transducer cable in place and exteriorize via the mid-line incision and suture the cable to the skin. Close the abdominal wall temporarily during the blood flow measurement.

---

**REFERENCE**