

SOP No:	AHT 55
SUBJECT:	Intravenous (Jugular Vein) catheterisation in the Dog
POLICY:	This procedure may only be performed by operators skilled in the technique. Surgery must be performed under aseptic conditions.
PRECAUTIONS:	Surgical gloves, surgical cap and mask, surgical gown, closed in shoes. All instruments and materials (including catheter) must be sterilised before use. Surgery must be performed under aseptic conditions.
EQUIPMENT:	Intravenous jugular catheter (with Seldinger kit: introducing catheter, guide wire and dilator) Sterile surgical kit (including drapes, No 15 scalpel blade) 2 Tuta minimum volume extension sets (25cm) and attached 10ml syringe with heparinised-saline solution (1U/ml) Luer lock injection port Suture material; and 21g needle Short acting anesthetic Injectable cephalexin solution Elastoplast, vet wrap and gauze bandages
PROCEDURE:	<ol style="list-style-type: none">1. Anaesthetise dog (specify dose, route and volume)2. Clip the area over the jugular vein3. Prepare the surgical site aseptically4. Make a small skin incision with the scalpel blade and insert the introducing catheter into the jugular vein, then use the guide wire and dilator and insert the jugular catheter.5. Attach the catheter to the combined 2 extension sets and 10ml syringe containing the heparinised saline solution (1U/ml) and flush the catheter.6. Suture the catheter to the skin7. Replace syringe with a prepared Luer lock injection port and inject cephalexin I/V solution (specify dose.8. Flush the catheter and extension sets with saline solution followed by a “lock” of heparinised saline (1U/ml)9. Curve the extension set dorsally and caudally away from the catheter and tape in the curved position. Suture the tape to the skin.10. Cover the catheter and extension sets with layers of Conforming Gauze, Elastoplast and Coflex bandaging11. Loop the injection port and extension set under the Coflex for added protection

RECOMMENDATIONS: **Maintain the patency of the catheter by flushing with saline and “locking” with heparinised saline solution (1U/ml) at least twice daily**

DATE ISSUED: **November 2007**

REVISED:

REFERENCES

1. **Freeman LM, Rand JS. Efficacy of intermittent low-dose heparinised saline flushes for maintaining indwelling peripheral and central intravenous catheters in diabetic dogs. *Aust Vet Pract* 2001;31:126-134**