

Assessment of Hindlimb Function & Perfusion after Transcatheter PDA Occlusion

Femoral Arterial Ligation vs Repair

NCSU PDA CLINICAL STUDY

WHAT IS THE STUDY?

Transcatheter Patent Ductus Arteriosus (PDA) occlusion with an ACDO device is performed via the femoral artery as a vascular access point. Each patient undergoing transcatheter PDA occlusion will be assigned to either the femoral artery ligation group or the femoral artery repair group. Both methods have been described in literature and applied in practice as standard of care. Femoral artery repair will be performed by an experienced cardiology interventionalist to limit the risk of complication.

PURPOSE OF THE STUDY

1. Obtain and compare data to assess if hindlimb function and perfusion are affected by femoral artery ligation as compared to femoral artery repair.
2. If there is a significant difference suggesting that femoral artery ligation or femoral artery repair is superior in preventing residual side effects, the data will be used to support a larger study to determine if there is further significance of the study findings.

WHAT IS THE COMMITMENT?

A 2-3 overnight stay for the pre-op workup and procedure and 2 additional free recheck appointments with the NCSU cardiology service at 10-14 days post procedure and at 3 months.

WHAT IS INCLUDED?

FREE PERKS!

- **Financial benefit of ~\$1,800 to \$2,000!**
- Chemistry blood panel at each appointment
- Free echocardiogram (heart ultrasound)
- Free ACDO device for procedure
- Free 10-14 days and 3 month recheck appointments
- Neurology/orthopedic evaluations
- The feeling of accomplishment for contributing to science!



WHAT ARE THE CRITERIA?

- Patients must have a left-to-right shunting Patent Ductus Arteriosus (PDA)
 - This will be confirmed via echocardiogram on evaluation of NCSU
 - Potential eligible candidates to consider are dogs with a continuous heart murmur
- Patients must weigh at least 5 kg at time of PDA occlusion procedure
- Exclusion criteria: Orthopedic or neurologic disease, currently receiving NSAIDs or steroids

Please Contact NCSU Cardiology Service

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Veterinary Medicine