

## What is one of your most important tools to treat dogs with hemorrhagic shock?

### Your telephone!

Introducing **TraumaDogs**, a study led by the North Carolina State University and sponsored by the United States Department of Defense.

**PURPOSE:** The objective of this study is to assess the efficacy of tranexamic acid (TXA) to inhibit excessive hemorrhage secondary to the fibrinolysis of traumatic coagulopathy in dogs with either spontaneous hemoabdomen (from ruptured masses) or with traumatic injuries from any cause including automobiles, gunshot wounds, penetrating wounds, and falls.

#### INCLUSION CRITERIA:

- Injured within 24 hours of presentation to NCSU, *OR* onset of signs of severe intra-abdominal hemorrhage within 24 hours of presentation to NCSU
- Signs of hemorrhagic shock
- Enough blood loss to benefit from a transfusion (transfusion is part of the treatment protocol)
- Excessive fibrinolysis identified by us using thromboelastography
- It is OK to initiate patient stabilization prior to referral!

#### EXCLUSION CRITERIA:

- Onset of signs > 24 hours prior to presentation 'at NCSU
- Treatment with colloids (such as Vetstarch™ or hetastarch)
- < 4 kg, > 75 kg
- Absence of significant hemorrhage or signs of hemorrhagic shock
- Anticoagulant rodenticide exposure
- Recent (within 2 weeks) administration of anticoagulants

**Study Design:** Dogs presented for care will be immediately assessed and treated for their injuries and shock. During initial stabilization we will confirm that they have had significant blood loss and test for the presence of excess fibrinolysis, a common complication of severe traumatic injuries. Dogs with traumatic coagulopathy will be randomized to treatment with either tranexamic acid or saline placebo, *in addition to all necessary care to stabilize them and care for their wounds.*

**Client Compensation:** *The owners of eligible dogs will receive a \$2500 subsidy to the cost of care at NCSU.*

#### What steps do you need to take?

- Inform your front desk and reception staff to direct dogs that have suffered serious trauma to NCSU.
- If a candidate presents to your clinic, stabilize and refer as soon you think transport is safe and call us to let us know a patient is coming!!  
(919) 513-6911

Enrolling NOW! For updates and more information, visit

[www.NCStateTraumaDogs.org](http://www.NCStateTraumaDogs.org)