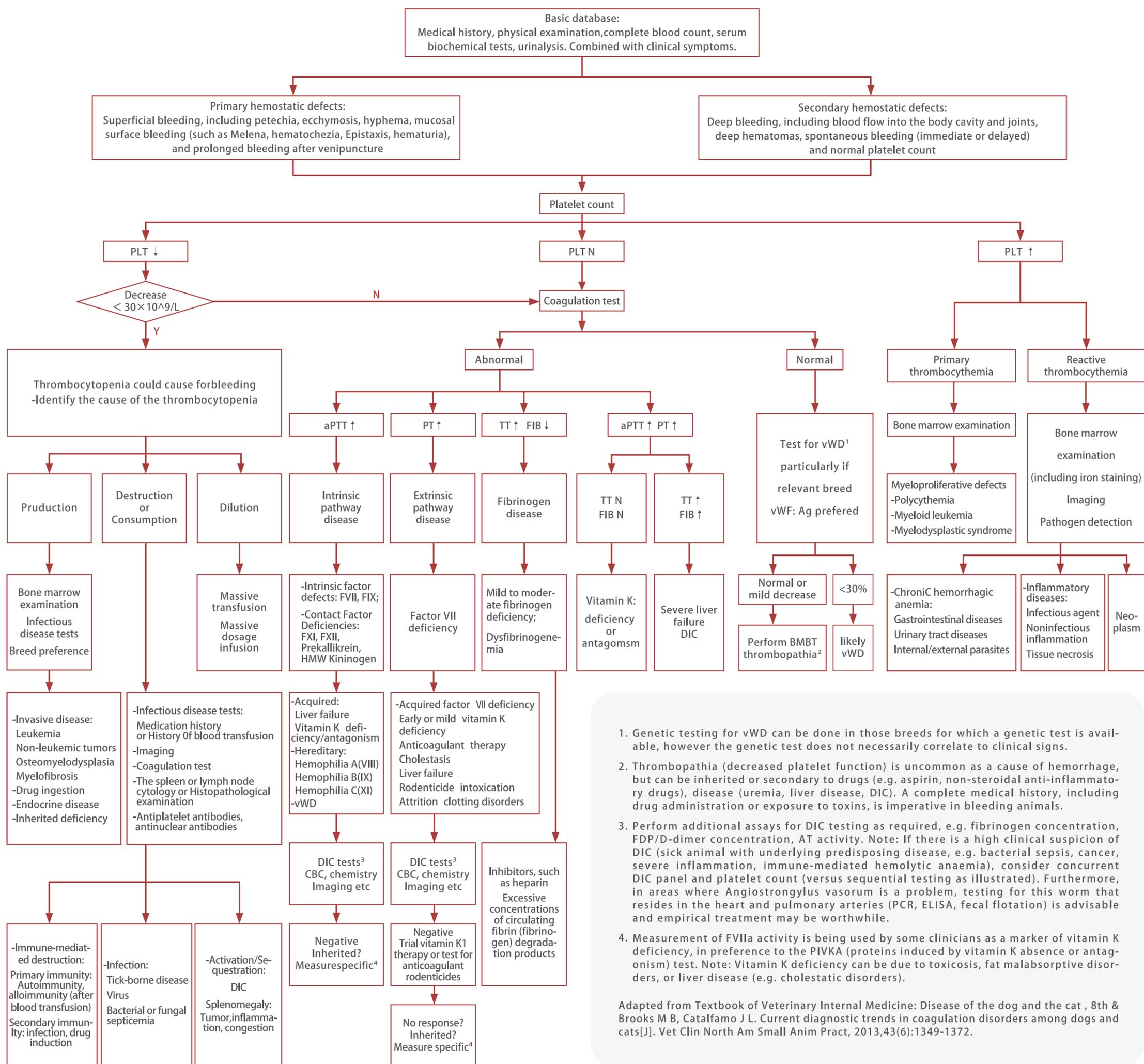


Diagnostic algorithm of coagulation disorders



- Genetic testing for vWD can be done in those breeds for which a genetic test is available, however the genetic test does not necessarily correlate to clinical signs.
- Thrombopathia (decreased platelet function) is uncommon as a cause of hemorrhage, but can be inherited or secondary to drugs (e.g. aspirin, non-steroidal anti-inflammatory drugs), disease (uremia, liver disease, DIC). A complete medical history, including drug administration or exposure to toxins, is imperative in bleeding animals.
- Perform additional assays for DIC testing as required, e.g. fibrinogen concentration, FDP/D-dimer concentration, AT activity. Note: If there is a high clinical suspicion of DIC (sick animal with underlying predisposing disease, e.g. bacterial sepsis, cancer, severe inflammation, immune-mediated hemolytic anaemia), consider concurrent DIC panel and platelet count (versus sequential testing as illustrated). Furthermore, in areas where *Angiostrongylus vasorum* is a problem, testing for this worm that resides in the heart and pulmonary arteries (PCR, ELISA, fecal flotation) is advisable and empirical treatment may be worthwhile.
- Measurement of FVIIa activity is being used by some clinicians as a marker of vitamin K deficiency, in preference to the PIVKA (proteins induced by vitamin K absence or antagonism) test. Note: Vitamin K deficiency can be due to toxicosis, fat malabsorptive disorders, or liver disease (e.g. cholestatic disorders).

Adapted from Textbook of Veterinary Internal Medicine: Disease of the dog and the cat, 8th & Brooks M B, Catalfamo J L. Current diagnostic trends in coagulation disorders among dogs and cats [J]. Vet Clin North Am Small Anim Pract, 2013,43(6):1349-1372.