

PRE ANESTHETIC BLOOD TESTING AND IT'S IMPORTANCE

This is a pre anesthetic blood screen from a two and a half year old small breed dog.

Patient:	Doctor: Brent Robinson
Species: Adult Canine <i>2 years old</i>	
Client:	Client ID: 8641463

Chemistry

2/10/2009 11:15 AM		VetTest	
UREA	6.0 mmol/L	(2.5 - 9.6)	
CREA	76. µmol/L	(44. - 159.)	
TP	60. g/L	(52. - 82.)	
ALT	706. U/L HIGH	(10. - 100.)	
ALKP	125. U/L	(23. - 212.)	
GLU	6.84 mmol/L	(4.11 - 7.94)	

Hematology

2/10/2009 11:00 AM		LaserCyte	
RBC	7.7 x10 ¹² /L	(5.5 - 8.5)	
HCT	53.1 %	(37.0 - 55.0)	
HGB	17.4 g/dL	(12.0 - 18.0)	
MCV	68.7 fL	(60.0 - 77.0)	
MCH	22.49 pg	(18.50 - 30.00)	
MCHC	32.7 g/dL	(30.0 - 37.5)	
RDW	15.2 %	(14.7 - 17.9)	
%RETIC	0.8 %		
RETIC	62.1 K/µL		
WBC	10.83 x10 ⁹ /L	(5.50 - 16.90)	
%NEU	* 67.0 %		
%LYM	23.0 %		
%MONO	* 7.9 %		
%EOS	2.0 %		
%BASO	0.1 %		
NEU	* 7.25 x10 ⁹ /L	(2.00 - 12.00)	
LYM	2.50 x10 ⁹ /L	(0.50 - 4.90)	
MONO	* 0.85 x10 ⁹ /L	(0.30 - 2.00)	
EOS	0.22 x10 ⁹ /L	(0.10 - 1.49)	
BASO	0.01 x10 ⁹ /L	(0.00 - 0.10)	
PLT	466. K/µL	(175. - 500.)	
MPV	12.94 fL		
PDW	18.8 %		
PCT	0.6 %		

FeFe came in for a routine spay and anesthesia. She is apparently healthy (on physical exam by the doctor) and has no history of illness. A blood profile was performed. The profile shows a significant **increase in ALT** which is an important Liver Enzyme. This tells us that she has an inflammation in her liver. Since an anesthetic would need to be metabolized by the liver it is **very important that the organ is functioning properly.**

*****Her surgery was put off** and she was placed on medications to help her liver function properly.

If we did not perform this blood profile on FeFe she may not have been healthy enough to withstand the anesthetics that we would have given her.

Fe Fe thanks her Mommy for doing A Pre Anesthetic Blood Screen and possibly saving her life.