CROSSROADS ANIMAL HOSPITAL, INC.
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***Patient*_____**

PRESURGICAL or DIAGNOSTIC BLOOD SCREEN

Your pet has undergone a health screen to identify any underlying problems that were not evident during physical examination. Here is a brief description of each test and some causes of elevations or depressions of the values.

♦ **TOTAL PROTEIN** – The sum of the albumin, a protein produced in the liver, are globulins which are antibodies. Low total protein can be caused by liver disease, kidney disease or blood loss. High total protein is usually the result of dehydration, but also may be due to chronic infection or some tumors.

♦ **ALKALINE PHOSPHATASE** – An enzyme that resides in the liver and the gall bladder. Damage to the liver or obstruction of the gall bladder will cause elevation of this enzyme in the blood.

♦ **SGPT or ALT** – This is another enzyme that resides in the liver cells. Elevation of this enzyme is associated with liver cell injury. The degree of elevation can be an indicator of severity of cell damage. Persistent elevation of this enzyme indicates the need for other tests or biopsy.

♦ **GLUCOSE** – measures blood sugar. This may be elevated with diabetes or corticosteroid administration. The blood glucose is depressed with hypoglycemia from over exertion, extreme infection or insulin producing tumors.

♦ **BUN – CREATININE** – These are measures of kidney function. Elevations may indicate kidney disease, urinary blockage, heart failure or dehydration. Creatinine is more specific for kidney function.

♦ **WHITE BLOOD CELL COUNT** – White blood cells fight infections. Elevations usually indicate infection. Bacteria, viruses, fungi, parasites and allergies all may cause high white blood cell counts. There are five different types of white blood cells. Elevations determine the type and severity of infection. Low white blood cell counts may indicate life threatening infections, cancer, or toxicity.

♦ **RED BLOOD CELL COUNT** – Red blood cells are produced by the bone marrow. Anemia results from loss of red blood cells as in hemorrhage, or red blood cell destruction from parasites or toxins. Red blood cells can also be destroyed by the body's own immune system. Decreased production of red blood cells usually means bone marrow disease and a bone marrow biopsy is indicated.

♦ **HEMOGLOBIN – HEMATOCRIT** – These values indicate the oxygen carrying ability of your pet's blood and the degree of blood loss. Elevation of the hematocrit indicates dehydration.

OTHER TESTS MAY HAVE BEEN PERFORMED DEPEINDING ON YOUR PET'S CONDITION.

A. Your Pet Passed! All Tests Were Normal!
B. Your Pet Passed, But Tests Indicate Some Areas Of Concern.
C. Tests indicate major organ function disorders and need immediate attention!

The _____ was High Low indicating_____
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