Viva assignment =

Chemical pathology

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Explain the following?

1. Liver function test
2. Renal function test
3. Lipid profile
4. Cardiac enzyme profile
5. Electrolytes
6. Fertility hormones
7. Thyroid profile
8. Tumor marker
9. Liver function test =

Liver function tests ( LFTs or LFs) , also referred to as a hepatic panel, are groups of blood tests that provide information about the state of a patients liver. These tests include, prothrombin time (PT/INR),activated partial thromboplastin time (aPTT), albumin, bilirubin, (direct and indirect) and other.

1. Renal function teste=

This test compress creatinine in your blood and urine the difference show how will you are kidney work normal creatinine clearance in 88 to 128 ml minutes for healthy women and 97 to 137 ml minutes for healthier man glomerular filtration rate gfr is a formula that uses your creatinine age race and sex.

1. Lipid profile =

are complete cholesterol test is also called a lipid panel or lipid profile your doctor can use it to measure the amount of good and bad cholesterol and triglycerides are type of faith in your blood cholesterol is a soft woxy fat that your body need to function properly.

1. Cardiac enzyme profile =

Cardiac enzyme studies major the level of enzyme and protein that are linked with injury of the heart muscles. These include the enzyme pattern in first for kindness and creatinine penis and the protein troponin and low level of this enzyme and protein are normally found in your blood but if you are heart muscle is injured such as from a heart attack the enzyme in protein like out of them is hard muscle cells and their level in the blood stream rise.

1. Electrolytes =

An electrolyte test can help determine whether there is an electrolyte imbalance in the body electrolytes are salt and Minerals such as Sodium Potassium Chloride and bicarbonate which are found in the blood they can conduct electrical impulses in the body.

1. Fertility hormones =

Fertility drugs generally work like the natural hormones follicle stimulating hormone and luteinizing hormone to trigger their evaluation there are also used in women who ovulate to try to stimulate a better egg are an extra or eggs.

1. Thyroid profile =

The thyroid is a small gland located in the lower front part of your neck it’s responsible for helping to regulate many of the body’s processes such as metabolism energy generation and mood the thyroid uses to measure hormone try T3 and Thyroxine T4.

1. Tumor marker=

Tumor Marker is anything present in in are produced by cancer cells are other cells of the body in response to cancer are certain benign non cancerous condition that provide information about our concerns such is how a gratiot it is whether it can be treated with a targeted therapy are whether it is responding to treatment.

Tumor Marker have traditionally been protein or other substances that are made by both normal and cancer cell but it higher amount by cancer cell these can be found in the blood urine stool tumor are other tissues are bodily fluid of some patients with cancer increasingly however genomic markers such as tumor gene mutation genomic markers such mutation Patron of tumor jeans expression and non genetic change and human DNA are being used Tumor Marker.

Many different Tumor Marker have been characterized and are in clinical use some are associated with only one type of cancer whereas other are associated with multiple different type of cancer non Universal tumor.