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 CHEMICAL PATHOLOGY

Liver function test :

 LFT also referred to as a hepatic panel are group of blood test they provides information about the patient liver these test include prothrombin time ,activated partial trombopalstin time albumin ,bilirubin and other a

 A liver function test measures enzymes proteins , and other substances that are produced by the liver such as alanine ALT ALP AB SEPARATE AST GGT ,BILIRUBIN AND ALBUMIN.

 RENAL FUNCTION TEST

 The kidney the vital organ of the body performing the following major function

#  Maintance of hemostatis .

 The kidney are largely responsible for the regulation of water

#  Excreaction of metabolic waste products

 The product of protein and the nuelic acid metabolism are estimated from the body these included urea creatinine uric acid sulphate and phosphates .

# Retention of substance vital to body …

 the kidney reabsorb and retain a serval substance of the biochemical impotance in the body ..

Hormal function

The kidney also function as endocrine organ by producing horomones

Erythropoietin a peptide hormone stimulated the hemoglobin systhesis and the formation of erythrocytes

1.25 Dihydroxychocalciferol the bio chemically active from vitmin D finally produced in the kidney it regulates calcium absorption from the gut …

 Lipid profile

Lipid profile is a panel of blood test that serves as an initial screening tool for abnormalilites in lipid such as cholesterol and trigiycerides the result of this test identify certain genetic disease and can be determined approximate risk for cardiovascular disease certain froms of pancreatitis and other disease ….

Components

The lipid profile typically included

Low density lipoprotein

High density lipoprotein

Triglycerides

Total cholesterol

 Cardiac enzyme profile

A cardic enzyme test is one tool doctors use to see if youre having a heart attack you might also get the test if you have sytoms of block age your heart arties

Chest pian

Dizziness

Feeling very weak

Shortness of breath

Sweating and cool

 throwing up

your doctor will test for most likely an enzyme called troponin it goes into your blood soon after a heart attack . it stays at high level even after other enzymes have gone back to normal …

 Electrolytes

 An electrolytes test can help determined whether there an electrocytes im balance in the body ..

Electrolytes are salt and minerl such as sodium potassium chloride and bicarbonate , which are found in the blood . they can conduct electrical impulues in the body

Common symtoms of an electrolytes disorder included ..

Irregular heartbeat

Fast heart rate

Fatique

Nausea

Vomiting

 Diarrhea

Muscle weakness

 confusion

headach

tingling

 electrolytes disorder are most often caused by loss of bodily fluids through prolonged vomiting diarrhea they may also developed due to fuild loss of related to burns …

 fertility horomones

 your body relased horomones like follicle stimulating horomone

 that make the eggs inside yours ovaries grow . between days 2 and 14 those horomones also help thicken the lining of your uterus to get ready for a fertilized egg .. this is called the follicular stage ..

you may get a blood test to cheak your level of follicle stimulating horomone which triggers your ovaries to prepared an egg for released each month . high FSH can mean lower fertility in women the FSH blood level get cheacked early in your mensteual cycle …..

 thyroid profile

thriod fuction test are a series of blood test used to measure how well your thriod gland is working . available test included the T3 T3RU , T4 and TSH ..

THE thyroid is small gland located in the lower front part of your neack ……

 Tumor marker

Tumor marker a subatance found in tissue blood bone marrow or other fluidthat may be a sign of cancer condtion many tumor cell are protein made by normal cells and cancer cells but they are made higher amount by cancer cells ……….