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Name	:	Mr Dummy	Patient ID	:	PN2
Age/Gender	:	20/Male	Report ID	:	RE1
Referred By	:	Self	Collection Date	:	24/06/2023 08:49 PM
Phone No.	:		Report Date	:	24/06/2023 09:02 PM

HAEMATOLOGY
COMPLETE BLOOD COUNT (CBC)

TEST DESCRIPTION	RESULT	REF. RANGE	UNIT
Haemoglobin	15	13 - 17	g/dL
Total Leucocyte Count	5000	4000 - 10000	/cumm
Differential Leucocyte Count			
Neutrophils	50	40 - 80	%
Lymphocytes	40	20 - 40	%
Eosinophils	1	1 - 6	%
Monocytes	9	2 - 10	%
Basophils	0.00	0 - 1	%
Absolute Leucocyte Count			
Absolute Neutrophils	2500.00	2000 - 7000	/cumm
Absolute Lymphocytes	2000.00	1000 - 3000	/cumm
Absolute Eosinophils	50.00	20 - 500	/cumm
Absolute Monocytes	450.00	200 - 1000	/cumm
RBC Indices			
RBC Count	5	4.5 - 5.5	Mil-lion/cumm
MCV	**80.00**	**81 - 101**	**fL**
MCH	30.00	27 - 32	pg
MCHC	**37.50**	**31.5 - 34.5**	**g/dL**
Hct	40	40 - 50	%
RDW-CV	12	11.6 - 14.0	%
RDW-SD	40	39 - 46	fL
Platelets Indices			
Platelet Count	300000	150000 - 410000	/cumm
PCT	35		
MPV	8	7.5 - 11.5	fL
PDW	9		

Interpretation:

CBC Test Parameter	General Interpretation

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BIOCHEMISTRY
LIVER FUNCTION TEST (LFT)

TEST DESCRIPTION	RESULT	REF. RANGE	UNIT
BILIRUBIN TOTAL	1.1	0.1 - 1.2	mg/dL
BILIRUBIN DIRECT	0.2	0.0 - 0.4	mg/dL
BILIRUBIN INDIRECT	0.90	0.1 - 1.0	mg/dL
SGPT	8	7 - 55	IU/L
SGOT	45	8 - 48	IU/L
SGOT/SGPT RATIO	5.63	0 - 46	RATIO
ALKALINE PHOSPHATASE	42	35 - 140	U/L
GAMMA GLUTAMYL TRANSFERASE (GGT)	7	0 - 55	U/L
TOTAL PROTEINS	**8.5**	**6.2 - 8.0**	**gm/dL**
ALBUMIN	5	3.5 - 5.5	gm/dL
GLOBULIN	3.50	2.3 - 3.5	gm/dL
A : G RATIO	**1.43**	**1.0 - 1.2**	**RATIO**

Interpretation:

Test	Normal Range	Interpretation
Total protein	6.2-8.0 g/dL	Total protein measures the total amount of protein in the blood, including albumin and globulin. Abnormal results may indicate liver or kidney disease, malnutrition, or inflammation.
Albumin	3.5-5.5 g/dL	Albumin is a protein produced by the liver. Abnormal results may indicate liver or kidney disease, malnutrition, or inflammation.
Bilirubin	0.1-1.2 mg/dL	Bilirubin is a substance produced by the breakdown of red blood cells. Abnormal results may indicate liver disease or other conditions affecting the liver or gallbladder.
Alkaline phosphatase (ALP)	35-140 IU/L	ALP is an enzyme produced by the liver and other organs. Abnormal results may indicate liver or bone disease, or certain medications.
Alanine transaminase (ALT)/ SGPT	7-55 IU/L	ALT is an enzyme primarily produced by the liver. Abnormal results may indicate liver damage or disease.

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BIOCHEMISTRY
LIPID PROFILE

TEST DESCRIPTION	RESULT	REF. RANGE	UNIT
Total Cholesterol	156	0 - 200	mg/dl
Triglycerides level	150	0 - 170	mg/dl
HDL Cholesterol	45	40 - 70	mg/dl
LDL Cholesterol	81.00	0 - 100	mg/dl
VLDL Cholesterol	30.00	6 - 38	mg/dl
LDL/HDL RATIO	**1.80**	**2.5 - 3.5**	
Total Cholesterol/HDL RATIO	**3.47**	**3.5 - 5**	

Interpretation:

Lipid Profile Test	Desirable Levels	Borderline High	High
Total cholesterol	<200 mg/dL	200-239 mg/dL	≥240 mg/dL
LDL cholesterol	<100 mg/dL	130-159 mg/dL	≥160 mg/dL
HDL cholesterol	≥60 mg/dL	40-59 mg/dL	<40 mg/dL
Triglycerides	<150 mg/dL	150-199 mg/dL	≥200 mg/dL

Desirable levels of cholesterol and triglycerides are associated with a lower risk of heart disease, while high levels increase the risk. HDL cholesterol is often called "good" cholesterol, as it helps to remove excess cholesterol from the blood vessels. In contrast, LDL cholesterol is often called "bad" cholesterol, as it contributes to the buildup of plaque in the arteries.

~~End of report~~

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BIOCHEMISTRY
KIDNEY FUNCTION TEST(KFT)

TEST DESCRIPTION	RESULT	REF. RANGE	UNIT
UREA SERUM	40	10 - 50	mg/dL
CREATININE SERUM	1.1	0.40 - 1.20	mg/dL
BUN	15	7 - 25	mg/dL
BUN / CREATININE	13.64	10.0 - 20.0	RATIO
UREA / CREATININE	36.36		RATIO
URIC ACID	5	2.5 - 6.8	mg/dL
CALCIUM	9.6	8.5 - 10.6	mg/dL
PHOSPHOROUS	4.1	3.0 - 4.7	mg/dL
ELECTROLYTES			
SODIUM	**180**	**135 - 150**	**mmol/L**
POTASSIUM	4	3.5 - 5.0	mmol/L
CHLORIDE	105	90 - 110	mmol/L

Interpretation:

Blood urea nitrogen (BUN) and creatinine are waste products that are filtered out of the blood by the kidneys. Elevated levels of BUN and creatinine in the blood can indicate decreased kidney function. The glomerular filtration rate (GFR) is a measure of how well your kidneys are filtering waste products from your blood. A low GFR can indicate decreased kidney function. The urine albumin-to-creatinine ratio (ACR) is a measure of the amount of albumin (a type of protein) in your urine relative to the amount of creatinine. Elevated levels of ACR can indicate damage to the kidneys.

~~End of report~~

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