DN-7053

NAME :	Mr. KRISHNA PILLAI [75 Y/M]	REGISTRATION DATE :	09-Dec-2019 7:19 pm
REF BY :	DR. BOBY MANUEL.MD	SAMPLE COLLECTED ON :	09-Dec-2019 07:22 PM
LAB NO :	DN-20-5381	REPORT PRINTED ON :	10-Dec-2019 10:05 am

HAEMATOLOGY

CBC- ESR (COMPLETE BLOOD COUNT)-5 PART CELL COUNTER, EDTA BLOOD

TESTNAME	VALUE	UNIT	REFERENCE RANGE	METHOD
TOTAL WBC COUNT	**9,250**	cells/cumm	**4000 - 10500**	Impedance method
NEUTROPHILS	**56.3**	%	**40% to 70%**	Flow cytometry
Technology Used : Mindray 5 Part Haematology Analyser				
LYMPHOCYTES	**35.4**	%	**20% to 40%**	Flow cytometry
EOSINOPHILS	**2.1**	%	**4% to 7%**	Flow cytometry
MONOCYTES	**5.4**	%	**1% to 10%**	Flow cytometry
BASOPHILS	**0.8**	%	**0% to 1%**	Impedance method
Technology Used : ULTIMA 5				
HAEMOGLOBIN (HB)	**15.7**	gm/dL	**12.5 TO 16.0**	Colorimetric
Technology Used : ADVIA 560				
PCV	**43.9**	%	**42 to 50 %**	Calculated
PLATELET COUNT	**2,09,000**	/cumm	**New Born 84,000 to 478000/cumm after 1 week same as adult Adult 1.5 - 4.5 lakh/cumm**	Colorimetric
Technology Used : ADVIA 560				
RBC	**4.86**	mill/cumm	**4.5 - 5.9mill/cumm**	Impedance method
MCV	**90.3**	fl	**71 - 99.74 fl**	Calculated
MCH	**32.2**	pg	**27.0 - 34.0 pg**	Calculated
MCHC	**35.7**	%	**31.5 - 36 %**	Calculated
RDW	**14.4**	%	**10.56 - 14.8 %**	Calculated
RDW is particularly helpful in separating iron deficiency anemia from thalassemia trait. Increased RDW is also useful in identifying red cell fragmentation, agglutination or dimorphic cell populations. Very high WBC, numerous large platelets, and auto agglutination result in falsely elevated RDW				
Technology Used : ULTIMA 5				
ESR	**15**	mm/hr	**0 - 20 mm/hr**	Modified Westergrens

Dr.A.GOWRI,DCP
(Pathologist)

Dr.M.SUSHAMA,MD,DNB
(Pathologist)

Lab In-Charge

FREEDA RUTH A
(MSC.Microbiologist)

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TESTNAME	VALUE	UNIT	REFERENCE RANGE	METHOD

Technology Used : MANUAL METHOD

Technology Used : ADVIA 560

PT INR (PROTHROMBIN TIME), CITRATED PLASMA

TEST, CITRATED PLASMA	**13.2**	Seconds		
CONTROL, CITRATED PLASMA	**13.0**	Seconds		
INR, CITRATED PLASMA	**1.02**			

Technology Used : Agappe Mispa Clog

INCREASED CONDITIONS:
Blood-thinning medications, such as warfarin (Coumadin), heparin,Liver problems,Inadequate levels of proteins (factors) that cause blood to clot,Vitamin K deficiency,Congenital factor deficiency,Presence of coagulation factor inhibitors
DECREASED CONDITIONS:
Supplements that contain vitamin K,High intake of foods that contain vitamin K,Estrogen-containing medications, such as birth control pills and hormone replacement therapy

BIOCHEMISTRY

LIVER FUNCTION TEST (LFT),, Serum

BILIRUBIN TOTAL	**0.7**	mg/dL	**0.2-1.3 mg/dL**	REFLECTOMETRIC
BILIRUBIN DIRECT	**0.3**	mg/dL	**0-0.2 mg/dL**	REFLECTOMETRIC
BILIRUBIN INDIRECT	**0.4**	mg/dL		REFLECTOMETRIC
SGOT	**47**	U/L	**female-14-36 U/L** **male-17-59 U/L**	REFLECTOMETRIC
SGPT	**77**	U/L	**Male : 21 to 72 U/L** **Female : 09 to 52 U/L**	REFLECTOMETRIC
ALKALINE PHOSPHATASE	**128**	U/L	**ADULT :38-126U/L** **NEW BORN:40 - 300U/L** **CHILD :60 - 270U/L**	REFLECTOMETRIC

Technology Used : VITROS 250

TOTAL PROTEIN	**7.1**	gm/dL	**6.4 - 8.2 gm/dL**	BIURET

Technology Used : Siemens - Dimension X Pand Plus

ALBUMIN	**4.1**	g/dL	**3.5 -5.0-g/dL**	REFLECTOMETRIC

Technology Used : VITROS 250

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TESTNAME	VALUE	UNIT	REFERENCE RANGE	METHOD
GLOBULIN	**3.0**	gm/dL		
Technology Used : VITROS 250				

INTERPRETATION:

Liver function tests (LFTs), are a group of blood tests that evaluate the functioning of the liver and detect the presence of various liver diseases.If your liver isn`t working properly, it can affect your overall health. That`s because the liver plays lots of different roles of the body, such as storing fuel from food, making proteins the body needs, and helping to remove toxins. LFT may also be used to monitor the body's response to a specific course of treatment of diseases like cirrhosis or hepatitis

UREA, Serum	**24.7**	mg/dL	**14-40 mg/dL**	REFLECTOMETRIC
Technology Used : VITROS 250				
SERUM CREATININE, Serum	**1.0**	mg/dL	**Male :0.66- 1.25 mg/dL** **Female : 0.52-1.04 mg/dL**	REFLECTOMETRIC
Technology Used : VITROS 250				

CLINICAL PATHOLOGY

URINE ALBUMIN, URINE	**TRACE**		**NIL**	Dip Stick/ Salphosalicylic method
Technology Used : Strip Method				

Report Status : Final

Note: Results to be interpreted in conjunction with medical history, clinical presentation & other findings.

---------- END OF REPORT ----------

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