

Patient's Name : Paragkumar Dave

Ref.No. : HL-10262-21

Age/Sex : 43 Years /Male



Reg. Date : 15/09/2021 09:20

Referred by : C/o. Dr At Doorstep

Collection. Time : 15/09/2021 8:10

HAEMOGRAM

EDTA whole Blood

TEST	RESULT	UNIT	BIOLOGICAL REF INTERVAL
HAEMOGLOBIN	: 15.3	gms/dl	13.5 - 18.0
RBC INDICES			
Total R.B.C. Count	: 5.43	millions/cu.mm	4.5 - 6.5
Packed Cell Volume	: 45.1	%	40 - 54
M. C. V.	: 83.1	cu.micron	78 - 96
M. C. H.	: 28.2	picogram	27 - 32
M. C. H. C.	: 33.9	g / dl	30 - 35
R. D. W.	: 12.5	%	11 - 15
TOTAL W. B. C. COUNT	: 6840	/cu.mm	4000 - 11000
DIFFERENTIAL COUNT			
Neutrophils	: 56.2	%	50 - 70
Lymphocytes	: 34.8	%	20 - 40
Eosinophils	: 2.3	%	01 - 04
Monocytes	: 6.0	%	02 - 06
Basophils	: 0.7	%	00 - 01
PLATELET COUNT	: 3.18	Lakh	1.5 - 4.5

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BIOCHEMICAL ANALYSIS (Serum)

APPEARANCE :

TESTS	RESULTS	UNITS	Biological Ref Interval
S.G.P.T. (ALT) method : UV kinetic	19	U / L	< 40
S.G.O.T. (AST) method : UV kinetic	18	U / L	5 - 34
S. PROTEINS			
TOTAL PROTEINS method : BIURET colorimetric	6.67	gm / dl	6.0 - 7.8
ALBUMIN method : BCG colorimetric	4.57	gm / dl	Adult : 3.5 - 5.2 60 - 90yr : 3.5 - 4.6 >90yr : 2.9 - 4.5
GLOBULINS	2.1	gm / dl	2.3 - 3.5
A / G RATIO	2.2	%	
SERUM URIC ACID method : Enzymatic	3.6	mg / dl	M : 3.5 to 7.2 F : 2.6 to 6.0
RBS method : God-pod	98	mg / dl	up to 160
S.CREATININE method : Jafferate	1.07	mg / dl	M : 0.7 TO 1.4 F : 0.6 TO 1.1

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LIVER FUNCTION TESTS

TESTS		RESULTS	UNITS	Biological Ref Interval
S. BILIRUBIN	TOTAL	1.17	mg / dl	0.0 - 1.0
	DIRECT	0.50	mg / dl	0.0 - 0.2
	INDIRECT	0.67	mg / dl	0.0 - 0.8
S. ALKALINE PHOSPHATASE		73	U / L	40 - 129

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RENAL FUNCTION TESTS

TESTS	RESULTS	UNITS	BIOLOGICAL REF INTERVAL
BLOOD UREA	21	mg / dl	15 - 40
S. CALCIUM	8.6	mg / dl	8.4 - 11.0

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SERUM ELECTROLYTES

TESTS	RESULTS	UNITS	NORMALS
S. SODIUM	136	mmol/L	135 - 145
S. POTASSIUM	4.0	mmol/L	3.5 - 5.5
S. CHLORIDE	98	mmol/L	98 - 108
S. BICARBONATE	23.4	mmol/L	21 - 31

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SERUM VITAMIN B12 LEVEL - by Chemiluminescent (ACCESS 2 , Beckman coulter)

PRINCIPLE

COMPETITIVE BINDING IMMUNOENZYMATIC ASSAY

TEST

RESULT UNIT

EXPECTED VALUES

S. VIT. B12

< 125 pg / ml

211 - 914 (NORMAL)
< 211 (DEFICIENT)

comments

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LIPID PROFILE serum

APPEARANCE : Clear

TESTS	RESULTS	UNITS	BIOLOGICAL REF INTERVAL
CHOLESTEROL	278	mg / dl	< 200
TRIGLYCERIDES	302	mg / dl	< 200
HDL CHOLESTEROL (Direct)	44.9	mg / dl	45 - 85
Non HDL CHOLESTEROL	233	mg / dl	
LDL CHOLESTEROL	173	mg / dl	Less than 130
VLDL	60	mg / dl	upto 34
CHOL : HDL RATIO	6.2	%	2.5 - 4.5

NCEP RISK CLASSIFICATION

TESTS	DESIRABLE	MODERATE RISK	HIGH RISK
LDL CHOLESTEROL	< 130	130 - 160	> 160
HDL CHOLESTEROL	> 60	35 - 59	< 35
TOTAL CHOLESTEROL	< 200	200 - 239	> 240
CHOL / HDL RATIO	3.3 - 4.4	4.4 - 11	> 11
LDL / HDL RATIO	0.5 - 3.0	3.0 - 6.0	> 6.0
TRIGLYCERIDE	< 200	200 - 400	400 - 1000
APO A / APO B RATIO	> 1.2	-	< 1.3
APOLIPORPOTEIN (a)	< 30	-	>

Desirable levels : Non-HDL cholesterol
Less than 100 Ideal for people at high cardiac risk
100 to 130 Ideal for people at low cardiac risk
130 to 159 Ideal - near ideal for healthy population
160 to 189 Mildly/borderline elevated
190 to 219 Intermediate / moderately elevated
More than 200 Severely elevated / very high

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HBsAg IMMUNOLOGY

TEST	:	HBsAg
METHOD	:	CHROMATOGRAPHY
RESULT	:	Negative

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HEPATITIS VIRAL MARKERS

TEST

RESULT

AGAINST

HCV ANTIBODIES

Negative
#####

CORE ANTIGEN
NS3 , NS4 , NS5

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Prothombin Time (PT) - Coagulation profile

Test	Result	Unit	Biological Ref Interval
Prothombin Time - Test (PT)	14.0	Seconds	11 - 16
Mean normal PT (MNPT)	13.5	Seconds	
International Normalized Ratio (INR)	1.04		Upto 1.2 : Nontherapeutic 2.0 to 3.0 : Therapeutic
Index	96	%	
On therapy			

- * **MNPT** is a **derived mean prothombin time from 20 apparently healthy individuals**
- * It is geometric mean of reference sample group and denominator used for calculation of INR
- * PT reference value is 2 SD of MNPT
- * MNPT is lot sepecific and technique specific so changes with each lot of reagent and equipment used.
- * **ISI** is an international standardized index mentioned with each lot . Values nearer to **one** are considered better and are also standard recommendations what we use.
- * Numbers of factors apart from reagents and techniques affect the drug therapy and INR . One should always correlate it clinically.

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