



CLINICAL LABORATORY REPORT

NAME : Mr RAMAKRISHNAN V
UHID .NO : 12018128441
AGE / SEX : 35 Y 0 M 12 D /Male
Ref. By : BINDHU BHASKARAN

DOB : 22/07/1989

OP/IP : OP/OP24-098765
Requested On : 03/08/2024 07:46 AM
Collected On : 03/08/2024 07:56 AM
Reported On : 03/08/2024 08:59 AM

INVESTIGATION	TEST METHOD	RESULT	UNIT	BIOLOGICAL REFERENCE INTERVAL
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ADVANCED HEALTH CHECK

Haematology and Clinical Pathology

COMPLETE BLOOD COUNT WITH ESR

Whole Blood

HAEMOGLOBIN	Photometric	16.3	g/dl	13 - 17
HAEMATOCRIT	Calculated	49	%	40 - 50
TOTAL WBC COUNT	Light Scattering	6520	cells/cum m	4000-10000
RBC COUNT	Light Scattering	5.34	million/cu mm	4.5 - 5.5
MCV	Light Scattering	92	fl	83 - 101
MCH	Calculated	31	pg	27 - 32
RDW	Calculated	13.3	%	11.6 - 14
MCHC	Calculated	33	g/dl	31.5 - 34.5
PLATELET COUNT	Light Scattering	292000	/cumm	150000 - 410000
MPV	LIGHT SCATTERING	9.20	fl	7.5 - 12.0
ESR	Automated Modified Westergren based	02	mm/Hr	0-14

Absolute Count Age Wise

ABSOLUTE NEUTROPHIL COUNT	AUTOMATED-OPTICAL FLOW CYTOMETRY WITH MPO REACTION	3.6	X10 ³ /uL	2.0 - 7.0
ABSOLUTE LYMPHOCYTE COUNT	AUTOMATED-OPTICAL FLOW CYTOMETRY WITH MPO REACTION	2.3	X10 ³ /uL	1.0 - 3.0
ABSOLUTE MONOCYTE COUNT	AUTOMATED-OPTICAL FLOW CYTOMETRY WITH MPO REACTION	0.4	X10 ³ /uL	0.2 - 1.0
ABSOLUTE EOSINOPHIL COUNT	AUTOMATED-OPTICAL FLOW CYTOMETRY WITH MPO REACTION	0.2	X10 ³ /uL	0.0 - 0.5

Ms Kasthuri
Technical Supervisor

Result Entered / Verified By:

Mukul Vij

DR. MUKUL VIJ, MD,PDCC
Sr.CONSULTANT PATHOLOGIST

Asma Bibi

Dr. Asma Bibi
Consultant Hematopathologist



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Haematology and Clinical Pathology

COMPLETE BLOOD COUNT WITH ESR

Whole Blood

ABSOLUTE BASOPHIL COUNT	AUTOMATED-OPTICAL FLOW CYTOMETRY WITH MPO REACTION	0.0	X10 ³ /ul	0.02 - 0.1
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Differential Count (Methodology:Light Scattering)

NEUTROPHIL	55	%	
LYMPHOCYTE	36	%	20 - 40
MONOCYTE	07	%	2 - 10
EOSINOPHIL	02	%	1 - 6
BASOPHIL	00	%	1 - 2



URINE ROUTINE - SEMIQUANTITATIVE STRIP-REFLECTANCE PHOTOMETRY

Urine

PH	Strip-Based	5.0	4.8 - 7.4
SPECIFIC GRAVITY	Strip-Based	1.015	1.016 - 1.022
GLUCOSE	Strip-Based	Normal	NIL (< 30 mg/dL)
ALBUMIN	Strip-Based	Negative	NIL (< 10 mg/dL)
UROBILINOGEN	Strip-Based	Normal	NORMAL (< 1 mg/dL)
BILIRUBIN	Strip-Based	Negative	NEGATIVE(<0.2 mg/dL)
KETONE	Strip-Based	Negative	NEGATIVE(< 5 mg/dL)
NITRITE	Strip-Based	Negative	NEGATIVE

DEPOSITS(SEDIMENT RESULT - SEMI AUTOMATED URINE MICROSCOPY)

RED BLOOD CELLS	0.2	-	/HPF	0 - 2.3
WHITE BLOOD CELLS	0.4	-	/HPF	0 - 2.7
CALCIUM OXALATE MONOHYDRATE	0.0	-	/HPF	0 - 1.4

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Haematology and Clinical Pathology



URINE ROUTINE - SEMIQUANTITATIVE STRIP-REFLECTANCE PHOTOMETRY

Urine

CALCIUM OXALATE DIHYDRATE	0.0	-	/HPF	0 - 1.4
CRYSTALS	0.0	-	/HPF	0 - 1.4
CAST HYALINE	0.0	-	/HPF	0 - 0.5
CAST PATHOLOGICAL	0.0	-	/HPF	0 - 0.3
NON SQUAMOUS EPITHELIAL CELLS	0.0	-	/HPF	0 - 0.5
SQUAMOUS EPITHELIAL CELLS	0.0	-	/HPF	0 - 1.1
YEAST	0.0	-	/HPF	0 - 0.7
BACTERIA	19.7	-	/HPF	0 - 29.5
BACTERIA COCCI	19.2	-	/HPF	0 - 29.5
BACTERIA RODS	0.5	-	/HPF	0 - 29.5
MUCUS	2.1	-	/HPF	0 - 60

PHYSICAL EXAMINATION

COLOUR	MANUAL	Yellow
APPEARANCE	MANUAL	Clear

** End of Report **

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TEST NAME/ SAMPLE TYPE/METHOD

RESULT

UNIT

BIOLOGICAL REFERENCE INTERVAL

ADVANCED HEALTH CHECK

Biochemistry

GLUCOSE(FASTING)(PLASMA FLUORIDE,HEXOKINASE) **118** mg/dl 70 - 100

GLUCOSE(2 HRSPP)(PLASMA FLUORIDE,HEXOKINASE) **172** mg/dl < 140

HBA1C.

HBA1C- GLYCATED HAEMOGLOBIN (WHOLE BLOOD,HPLC) **6.5** % Normal:<5.6

Pre Diabetes:5.7-6.4

Diabetes: > 6.4

ESTIMATED AVERAGE GLUCOSE (EAG) (WHOLE BLOOD,CALCULATED) 139.85 mg/dL

LIPID PROFILE

TOTAL CHOLESTROL(SERUM,CHOD-PAP) 145 mg/dl Desirable : < 200
Borderline high : 200 - 239

High : > 239

SERUM HDL CHOLESTEROL (SERUM,DIRECT) 40 mg/dl Desirable : > 45

Low : < 40

LDL - CHOLESTEROL(SERUM,ENZYMATIC) **104** mg/dl < 100

VLDL(SERUM,CALCULATION) 21 mg/dl 0 - 30

TRIGLYCERIDES(SERUM,ENZYMATIC) 104 mg/dl < 150

TOTAL CHOL/HDL(SERUM,CALCULATION) **3.63** (< 3.5)

LIVER FUNCTION TEST (LFT)

BILIRUBIN TOTAL(SERUM,DIAZO METHOD) 0.65 mg/dl 0.2 - 1.2

BILIRUBIN DIRECT(SERUM,DIAZO METHOD) 0.20 mg/dl 0.0 - 0.2

BILIRUBIN INDIRECT (SERUM,CALCULATION) 0.45 mg/dl 0.2 - 1.0


ALP(SERUM,PNPP) 89 U/L 43 - 115

ALT(SERUM,IFCC - UV) 21 U/L < 45

AST(SERUM,IFCC - UV) 15 U/L < 35

Mr Arunkumar P

Lab Technologist



DR. MUKUL VIJ, MD,PDCC



Prof. Dr. Abraham Sam Rajan
MBBS.,MD.,

Consultant & Clinical Lead

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Biochemistry			
LIVER FUNCTION TEST (LFT)			
GGT(SERUM,IFCC)	38	U/L	< 70
TOTAL PROTEIN(SERUM,BIURET)	7.5	g/dl	(6.5 - 7.8)
ALBUMIN(SERUM,BCG)	4.3	g/dl	(3.3 - 5.3)
GLOBULINS(SERUM,CALCULATION)	3.2	g/dl	(2.5 - 3.5)
A/G RATIO(SERUM,CALCULATION)	1.34		> 1.0
FREE THYROID PROFILE			
FREE T3(SERUM,ECLIA)	2.87	pg/ml	(2.0 - 4.4) ADULTS : 2.0 - 4.4 pg/mL PEDIATRIC RANGE: 1 - 30 Days : 1.4 - 5.5 pg/mL 1 - 12 months : 2.0 - 6.9 pg/mL 1 - 10 years : 2.4 - 6.7 pg/mL 11 - 18 years : 2.9 - 5.9 pg/mL
FREE T4(SERUM,ECLIA)	1.87	ng/dl	(0.93 - 1.7)
TSH(SERUM,ECLIA)	0.47	μIU/ml	(0.27 - 4.2)
VITAMIN D(SERUM,ECLIA)	12	ng/ml	Deficiency : Below 10ng/ml Insufficient: 10 - 30ng/ml Sufficient : 30 - 100 ng/ml Toxicity :Above 100 ng/ml
VITAMIN B12(SERUM,ECLIA)	124.1	pg/ml	(174 - 878)
CALCIUM(SERUM,NM-BAPTA)	9.4	mg/dL	(8.5 - 10.5)
RENAL FUNCTION TEST (RFT)			
UREA(SERUM,GLDH)	15	mg/dl	15 - 45
CREATININE(SERUM,ENZYMATIC)	0.81	mg/dl	0.72 - 1.18
URIC ACID(SERUM,URICASE)	4.8	mg/dl	3.5 - 7.2
ELECTROLYTES			
SODIUM(SERUM,INDIRECT ISE)	136	mmol/L	(136 - 145)
POTASSIUM(SERUM,INDIRECT ISE)	4.3	mmol/L	(3.5 - 5.1)
CHLORIDE(SERUM,INDIRECT ISE)	103	mmol/L	(98 - 107)
BICARBONATE(SERUM,ENZYMATIC)	20	mmol/L	(22 - 28)

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