

Dr. Nimisha Gupta M.D. (Pathology) AliMS, New Delhi FNAC & Histopathology Expert, M.N.A.M.S. DNB Ex- Registrar: PGIMER Chandigarh, GMCH Chandigarh

Date

14/09/2024

Srl No. 17

Name

Mrs. PRIYANKA KUMARI

Age

30 Yrs.

Sex

F

Ref. By

Test Name	Value	Unit	Normal Value
COMPLETE HAEMOGRAM By Mindray LT-360s			
HAEMOGLOBIN (Hb)	12.1	gm/dl	11.0 - 16.0
TOTAL LEUCOCYTE COUNT (TLC)	6,200	/cumm	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT (DL	c)		
NEUTROPHIL	65	%	40 - 75
LYMPHOCYTE	28	%	20 - 45
EOSINOPHIL	06	%	01 - 06
MONOCYTE	01	%	02 - 10
R B C COUNT	3.96	Millions/cmm	3.8 - 4.8
P.C.V / HAEMATOCRIT	36.5	%	35 - 45
MCV	92.3	fl.	83 - 101
мсн	30.7	Picogram	27.0 - 32.0
мснс	33.20	gm/dl	31.5 - 34.5
PLATELET COUNT  By automated cell counter	2.24	Lakh/cmm	1.50 - 4.50
RDW - CV	14.1	%	11.0 - 16.0
RDW - SD	45.1	fl.	37.0 - 49.0
MPV	13.9	fl.	8.60 - 15.50
PDW	16.3	fl.	11.0 - 22.0
РСТ	0.312	%	0.15 - 0.62
P-LCC	117.0	/uL	44 - 140
P- LCR	52.3	%	15.0 - 35.0

HAFMATOLOGY	•

ERYTHROCYTE SED.RATE (WIN)	28.0	
BLOOD GROUP ABO	"O"	
RH TYPING	POSITIVE	



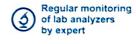










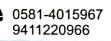














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Senior Consultant Pathology

Dr. Nimisha Gupta



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Normal Value Unit Value **Test Name** 

B	Ю	C	H	E	N	1	S	T	R	<u>Y</u>

BLOOD SUGAR FASTING	71.6	mg/dl	60 - 110
URINE SUGAR FASTING	NIL		NIL
BLOOD UREA	21.4	mg /dl	15.0 - 45.0
SERUM CREATININE	0.84	mg%	0.6 - 1.2
SERUM URIC ACID	3.7	mg%	2.4 - 5.7
GAMMA GT			

U/L at 37°C v GLUTAMYL TRANSFERASE (GGT):-32.1

#### **EXPECTED VALUES**

Serum (Males)

10 - 50 U/L at 37°C

(Femalels)

07 - 35 U/L at 37°C

#### COMMENT

γ Glutamyl Transferase (GGT) is an enzyme found mainly in serum from hepatic origin, though the highest levels are in kidneys.

Elevated levels are found in hepatobilary and pancreatic diseases, chronic alcoholism, myocardial infraction with secondary liver damage and diabetics.

BILIRUBIN TOTAL		0.69	mg/dl	0 - 1.2
CONJUGATED (D. Bilirubin	)	0.36	mg/dl	0 - 0.25
UNCONJUGATED (I.D.Bilire	ubin)	0.33	mg/dl	0 - 1.2
TOTAL PROTEIN		6.9	gm/dl	6.6 - 8.3
ALBUMIN		4.0	gm/dl	3.4 - 4.8
GLOBULIN		2.9	gm/dl	2.3 - 3.5
A/G RATIO	Mark Market Comment	1.379	wakes	
SGOT	and an house of the standard o	23.8	IU/L	0 - 32
SGPT		19.6	IU/L	0.0 - 40.0
ALKALINE PHOSPHATASE IFCC Method		84.9	U/L	37.0 - 147.0



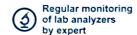










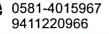














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Value

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**Normal Value** 

### **HAEMATOLOGY**



HB A1C- HemoCue 501 Fully Automated

### Hba1C (GLYCOSYLATED HAEMOGLOBIN)

PATIENT'S VALUE % HbA1C =

%

EXPECTED VALUES :-

IED VALUE				
%HbA1c	Approx. mean blood glucose( mg/dl)		Interpretation	
4	65			
5	100	Non-diab	etic range	
6	135			
7/	170	A A	DA target	
8	205			
9	240			
10	275	Action	suggested	
11	310			
12	345			

quality control to ensure 100% report accuracy





REMARKS:-In vitro quantitative determination of HbA1C in whole blood is utilized in long term monitoring of glycemia. The HbA1C level correlates with the mean glucose concentration prevailing in the course of the patient's recent history (approx - 6-8 weeks) and therefore provides much more reliable information for glycemia monitoring than do determinations of blood glucose or urinary glucose.

Strict quality checks on sample before processing

It is recommended that the determination of HbA1C be performed at intervals of 4-6 weeks during diabetes mellitus therapy.

Regular monitoring of lab analyzers by expert

Results of HbA1C should be assessed in conjunction with the patient's medical history, clinical examinations and other findings.

Assured machine inspection on a daily basis





20 Years of Trust & Experience



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Age

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Sex

Test Name	Value	Unit	Normal Value
		A STANDARD OF THE PERSON OF TH	
LIPID PROFILE		The state of the s	
TRIGLYCERIDES	121.6	mg/dL	40.0 - 165.0
TOTAL CHOLESTEROL	148.9	mg/dL	140.0 - 250.0
H D L CHOLESTEROL DIRECT	50.2	mg/dL	42.0 - 88.0
VLDL	24.32	mg/dL	10.0 - 40.0
L D L CHOLESTEROL	74.52	mg/dL	50.0 - 190.0
TOTAL CHOLESTEROL/HDL RATIO	2.966		0.0 - 4.97
LDL / HDL CHOLESTEROL RATIO	1.484		0.00 - 3.55



















imisha Gupta



#### INTERPRETATION

TRIGLYCERIDE level > 250mg/dL is associated with an approximately 2-fold greater risk of coronary vascular disease. Elevation of triglycerides can be seen with obesity, medication, fast less than 12hrs., alcohol intake, diabetes melitus, and pancreatitis. CHOLESTEROL, its fractions and triglycerides are the important plasma lipids indefining cardiovascular risk factors and in the managment of cardiovascular disease. Highest acceptable and optimum values of cholesterol values of cholesterol vary with age. Values above 220 mgm/dl are associated with increased risk of CHD regardless of HDL & LDL values. HDL-CHOLESTEROL level <35 mg/dL is associated with an increased risk of coronary vascular disease even in the face of desirable levels of cholesterol and LDL - cholesterol. LDL - CHOLESTEROL & TOTAL CHOLESTEROL levels can be strikingly altered by thyroid, renal and liver disease as well as hereditary factors. Based on total cholesterol, LDL- cholesterol,

and total cholesterol/HDL - cholesterol ratio, patients may be divided into the three risk categories:-

CHOLESTEROL LDL-CHOLESTEROL **CHO/HDL RATIO** 

< 200 mg/dL Acceptable/Low Risk : <130 mg/dL < 4.5 Borderline High Risk : 200-239 mg/dL 130-159 mg/dl 4.5 - 6.0High Risk > 240 mg /dL > 160 mg/dL > 6.0

APO Al & APO B: Recent studies have shown that Apolipoproteins Al & B might be the best indicators of Coronary Artery Disease risk in an individual. Patients who have normal lipid profile may have abnormal Apo A1 & Apo B values. Ratio of Apo B: Apo A1 is >1 in cases of increased CHD risk.



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F

Ref. By **Test Name** 

Value

Unit

ml.

**Normal Value** 

#### **URINE EXAMINATION TEST**



QUANTITY **COLOUR** TRANSPARENCY/ CLARITY

SPECIFIC GRAVITY

PH

CHEMICAL EXAMINATION

**PROTEIN** REDUCING SUGAR/ GLUCOSE

MICROSCOPIC EXAMINATION

**PUS CELLS RBC'S CASTS** 

**CRYSTALS** 

SQUAMOUS EPITHELIAL CELLS

**BACTERIA** 

**OTHERS** 

15

PALE YELLOW

**TURBID** 

Q.N.S.

6.0

TRACE

mg/dl

NIL

mg/dl

1-3

NIL

NIL

NIL

1-2

Advised Unine C/s

Yellow

Clear

1.005 to 1.025

4.5 to 8.0

< 150 mg/dl

<130 mg/dl

Temperaturecontrolled containers to store samples

quality control to ensure 100%

report accuracy

Qualified

and trained

technicians

Certified

<2-5 /hpf

<2 RBCs/hpf

0-5 hyaline casts/lp

Strict quality checks on sample before processing

Occasionally

<15-20 /hpf

None

NIL

Regular monitoring of lab analyzers by expert



Assured machine inspection on a daily basis



Verified reports by qualified pathologist



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revaluated by other investigations. If test results are alarming or find any typographical error then contact the laboratory immediately for possible remedial action.



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COMPUTERISED CLINICAL LAB WITH EXPERTISE IN HISTOPATHOLOGY & MICROBIOLOGY)

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M.S.

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Date

14/09/2024

Srl No. 17

Name

Mrs. PRIYANKA KUMARI

Age 30 Yrs.

Sex

Ref. By

Test Name

Value

Unit

**Normal Value** 

#### **IMMUNOLOGY**

THYROID PROFILE

## THYROID PROFILE

Method: - Immunoassay CLIA

PATIENT VALUE 1.25 ng/ml

**T3** 

Adult: 0.50-2.0 ng/ml

· Cord Blood : 0.4 - 1.3 · 1-2 days : 0.8 - 2.6

· 3-30 days : 0.7 - 2.0

· 1-12 months: 1.1-2.3

· 1-7 years : 1.2 - 2.0 · 7-13 years : 1.1 - 2.0

· 13-18 years : 1.0 - 1.8

**T4** 

6.81 µg/dl

Male - 4.4 to 10.8 µg/dl

Female - 4.8 to 11.6 µg/dl

· Cord Blood : 6.0 - 13.1 · 1-2 days : 10.7 - 25.8

3-30 days : 7.8 - 19.7

· 1-12 months: 5.4 - 13.8

· 1-7 years : 5.3 - 12.3

· 7-13 years : 6.0 -11.1

· 13-18 years : 4.9 - 10.7

"ISO 9001: 2015 Certified" 1 of 2

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Date

14/09/2024

(3rd Generation)

Srl No. 17

Name

Mrs. PRIYANKA KUMARI

30 Yrs. Age

F Sex

Ref. By

**Test Name** 

Value

Unit

Normal Value

**TSH** 

2.13 ulU/ml

Adult: 0.28 to 6.82 µIU/mI

· Premature Infant: 0.8 - 5.2

· Cord Blood: 1.0 - 17.4

: 1.0 - 17.4 · 1-3 davs

· 1-2 Weeks : 1.7 - 9.1

· 4-12 months: 0.8-8.2 · 1-5 years : 0.8-8.2

· 5-10 years : 0.7 -7.0

· 10-15 years : 0.7 - 5.7

#### INTERPRETATION:

TSH measurement has been used for screening for euthyroidism, screening and diagnosis for hyperthyroidism & hypothyroidism, suppressed tsh (<0.01µiu/ml) suggest a diagnosis of hyperthyroidism and elevated concentration (< 7µiu/ml) suggest hypothyroidism, tsh levels may be affected by acute illness & several medication including dopamine and glucocorticoides. decreased (low or undetectable) in graves disease, increased in tsh secreting pituitary adenoma (secondary hyperthyroidism) prth and in hypothalamic disease thyrotropin (tertiary hyperthyroidism). elevated in hypothyroidism (along with decreased) except for pituitary and hypothalamic disease.

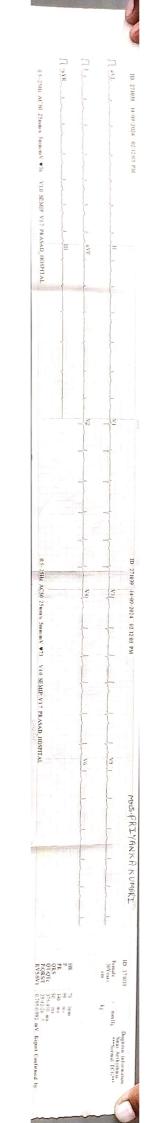
- mild to modest elevations in patients with normal t3 & t4 level indicate impaired thyroid hormone reserves and incipient hypothyroidism (subclinical hypothyroidism).
- mild to modest decreased with normal t3 and t4 indicates subclinical hyperthyroidism.
- degree of tsh suppression does not reflect the severity of hyperthyroidism; therefore, measurement of free thyroid hormone levels is required patient with a suppressed TSH level.

"ISO 9001: 2015 Certified" 2 of 2

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Note: 1. If the test result(s) is alarming or unexpected patient is advised to contact the lab immediately. 2. Test report is not valid for medico-legal purpose.



Patient Name

PRIYANKA KUMARI

14- 09-2024

Ref. By.:

SELF

Age /Sex 30Y/ F

Investigation

X-Ray Chest PA View

### OBSERVATION

Bilateral lung fields are clear.

Trachea is central.

Both hila are normal.

Cardiac shape, size and silhouette are normal.

No mediastinal widening or mediastinal shift noted.

Both domes of diaphragm are normal in height and silhouette.

Bilateral C.P. angles are clear.

Bony rib cage is normal.

#### IMPRESSION

NO SIGNIFICANT ABNORMALITY DETECTED IN THE SCAN.

To correlate clinico-pathologically

d.



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**PAP SMEAR** 

C - 2117

#### PAP SMEAR

Papanicolaou smear are satisfactory but for lack of endocervical cells. Several superficial cells (55%), intermediate cells (40%) & parabasal cells (05%) are noted.

Maturation Index ( 05: 40: 55 ).

Mild to moderately neutrophilic inflammtion is seen in background admixed with bacterial colonies.

No evidence of Trichomonas or any other specific organism is noted.

No evidence of atypia, Cervical Intraepithelial Neoplasia (CIN) changes / Squamous Intraepithelial Lesion (SIL) or malignancy is seen in smears examined.

IMPRESSION: Pap Smear - Inflammation mild.













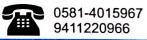








Technician





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