

Radiance

CLINICAL DIAGNOSTIC CENTRE
COMPLETE PATHOLOGICAL SOLUTION



Name : Mrs. NEHA GUPTA
Lab ID. : 211836
Age/Sex : 32 Years / Female
Ref By : JINKUSHAL CARDIAC CARE & SUPER SPECIALITY HOS
Consulting Dr. : DR. MAYUR JAIN

Collected On : 26/10/2024 11:47 am
Received On : 26/10/2024 11:57 am
Reported On : 26/10/2024 6:55 pm
Report Status : FINAL

*LIPID PROFILE

TEST NAME	RESULTS	UNIT	REFERENCE RANGE
TOTAL CHOLESTEROL (CHOLESTEROL OXIDASE, ESTERASE, PEROXIDASE)	120.0	mg/dL	Desirable blood cholesterol: <200 mg/dL. Borderline high blood cholesterol: 200 - 239 mg/dL. High blood cholesterol: >239 mg/dL. Major risk factor for heart disease: <30 mg/dL. Negative risk factor for heart disease: >=80 mg/dL.
S.HDL CHOLESTEROL (DIRECT MEASURE - PEG)	49.4	mg/dL	Desirable level: <161 mg/dL. High: >= 161 - 199 mg/dL. Borderline High: 200 - 499 mg/dL. Very high: >499mg/dL. UPTO 40
S. TRIGLYCERIDE (ENZYMATIC, END POINT)	85.0	mg/dL	Optimal: <100 mg/dL. Near Optimal: 100 - 129 mg/dL. Borderline High: 130 - 159 mg/dL. High: 160 - 189mg/dL. Very high: >= 190 mg/dL. UPTO 3.5
VLDL CHOLESTEROL (CALCULATED VALUE)	17	mg/dL	
S.LDL CHOLESTEROL (CALCULATED VALUE)	54	mg/dL	
LDL CHOL/HDL RATIO (CALCULATED VALUE)	1.09		<5.0
CHOL/HDL CHOL RATIO (CALCULATED VALUE)	2.43		

Above reference ranges are as per ADULT TREATMENT PANEL III recommendation by NCEP (May 2015).
Result relates to sample tested, Kindly correlate with clinical findings.

END OF REPORT

Checked By
SHAISTANG

DR. SMITA RANVEER
M.B.B.S.M.D. Pathology(Mum)
Consultant Histocytopathologist
Regd.No.: 3401/09/2007





Dr. Smita Ranveer's
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COMPLETE BLOOD COUNT

TEST NAME	RESULTS	UNIT	REFERENCE RANGE
HEMOGLOBIN	11.3	gm/dl	12.0 - 15.0
HEMATOCRET (PCV)	33.9	%	36 - 46
RSC COUNT	4.06	$\times 10^6/\mu\text{L}$	4.5 - 5.5
MCV	84	fL	80 - 96
MCH	27.8	pg	27 - 33
MCHC	33	g/dl	33 - 36
RDW-CV	12.8	%	11.5 - 14.5
TOTAL LEUCOCYTE COUNT	7740	/cumm	4000 - 11000
<u>DIFFERENTIAL COUNT</u>			
NEUTROPHILS	61	%	40 - 80
LYMPHOCYTES	28	%	20 - 40
EOSINOPHILS	06	%	0 - 6
MONOCYTES	05	%	2 - 10
BASOPHILS	00	%	0 - 1
PLATELET COUNT	176000	/cumm	150 to 410
MPV	14.9	fL	6.5 - 11.5
PDW	16.1	%	9.0 - 17.0
PCT	0.260	%	0.200 - 0.500
RBC MORPHOLOGY	Normocytic Normochromic		
WBC MORPHOLOGY	Normal		
PLATELETS ON SMEAR	Adequate		

Method : EDTA Whole Blood- Tests done on Automated Six Part Cell Counter.RBC and Platelet count by Electric Impedance ,WBC by SF Cube method and Differential by flow cytometry . Hemoglobin by Cyanide free reagent for hemoglobin test (Colorimetric Method).Rest are calculated parameters.

Result relates to sample tested, Kindly correlate with clinical findings.

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

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IMMUNO ASSAY

TEST NAME	RESULTS	UNIT	REFERENCE RANGE
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TFT (THYROID FUNCTION TEST)

SPECIMEN	RESULTS	UNIT	REFERENCE RANGE
T3	200.0	ng/dl	84.63 - 201.8
T4	12.7	µg/dl	5.13 - 14.06
TSH	1.03	µIU/ml	0.270 - 4.20

DONE ON FULLY AUTOMATED ANALYSER COBAS e411.

T3 (Triiodo Thyroine)		T4 (Thyroxine)	
AGE	RANGE	AGE	RANGES
1-30 days	100-740	1-14 Days	11.8-22.6
1-11 months	105-245	1-2 weeks	9.9-16.6
1-5 years	105-269	1-4 months	7.2-14.4
6-10 years	94-241	4-12months	7.8-16.5
11-15 years	82-213	1-5 years	7.3-15.0
15-20 years	80-210	5-10 years	6.4-13.3
		11-15 years	5.6-11.7

TSH (Thyroid stimulating hormone)

AGE	RANGES
0-14 Days	1.0-39
2 weeks -5 months	1.7-9.1
6 months-20 years	0.7-8.4
Pregnancy	
1st Trimester	0.1-2.5
2nd Trimester	0.20-3.0
3rd Trimester	0.30-3.0

INTERPRETATION :

TSH stimulates the production and secretion of the metabolically active thyroid hormones, thyroxine (T4) and triiodothyronine (T3), by interacting with a specific receptor on the thyroid cell surface. The synthesis and secretion of TSH is stimulated by Thyrotropin releasing hormone (TRH), in response to low levels of circulating thyroid hormones. Elevated levels of T3 and T4 suppress the production of TSH via a classic negative feedback mechanism. Failure at any level of regulation of the hypothalamic-pituitary-thyroid axis will result in either underproduction (hypothyroidism) or overproduction (hyperthyroidism) of T4 and/or T3.

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 SHA/Starp

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***RENAL FUNCTION TEST**


TEST NAME	RESULTS	UNIT	REFERENCE RANGE
BLOOD UREA (Urease UV GLDH Kinetic)	18.3	mg/dL	13 - 40
BLOOD UREA NITROGEN (Calculated)	8.55	mg/dL	5 - 20
S. CREATININE (Enzymatic)	0.60	mg/dL	0.6 - 1.4
S. URIC ACID (Uricase)	2.6	mg/dL	2.6 - 6.0
S. SODIUM (ISE Direct Method)	135.0	mEq/L	137 - 145
S. POTASSIUM (ISE Direct Method)	3.78	mEq/L	3.5 - 5.1
S. CHLORIDE (ISE Direct Method)	98.0	mEq/L	98 - 110
S. PHOSPHORUS (Ammonium Molybdate)	4.13	mg/dL	2.5 - 4.5
S. CALCIUM (Arsenazo III)	8.8	mg/dL	8.6 - 10.2
PROTEIN (Buret)	6.43	g/dl	6.4 - 8.3
S. ALBUMIN (BGC)	3.65	g/dl	3.2 - 4.6
S.GLOBULIN (Calculated)	2.78	g/dl	1.9 - 3.5
A/G RATIO calculated	1.31		0 - 2

BIOCHEMISTRY TEST DONE ON FULLY AUTOMATED (EM 200) ANALYZER.

Result relates to sample tested, Kindly correlate with clinical findings.

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

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LIVER FUNCTION TEST

TEST NAME	RESULTS	UNIT	REFERENCE RANGE
TOTAL BILLIRUBIN (Method-Diazo)	0.25	mg/dL	0.2 - 1.2
DIRECT BILLIRUBIN (Method-Diazo)	0.16	mg/dL	0.0 - 0.4
INDIRECT BILLIRUBIN Calculated	0.09	mg/dL	0 - 0.8
SGOT(AST) (UV without PSP)	17.8	U/L	0 - 37
SGPT(ALT) UV Kinetic Without PLP (P-L-P)	18.1	U/L	UP to 40
ALKALINE PHOSPHATASE (Method-ALP-AMP)	58.0	U/L	42 - 98
S. PROTIEN (Method-Biuret)	6.43	g/dl	6.4 - 8.3
S. ALBUMIN (Method-BCG)	3.65	g/dl	3.5 - 5.2
S. GLOBULIN Calculated	2.78	g/dl	1.90 - 3.50
A/G RATIO Calculated	1.31		0 - 2

Result relates to sample tested, Kindly correlate with clinical findings.

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

Checked By
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HAEMATOLOGY


TEST NAME	RESULTS	UNIT	REFERENCE RANGE
ESR	60	mm/hr.	0 - 20

METHOD - WESTERGREIN

Result relates to sample tested, Kindly correlate with clinical findings.

END OF REPORT

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BIOCHEMISTRY

TEST NAME	RESULTS	UNIT	REFERENCE RANGE
GLYCOCELATED HEMOGLOBIN (HBA1C)			
HBA1C (GLYCOSALATED HAEMOGLOBIN)	5.5	%	Hb A1c > 8 Action suggested < 7 Goal < 6 Non - diabetic level
AVERAGE BLOOD GLUCOSE (A. B. G.)	111.2	mg/dL	65.1 - 136.3
METHOD Particle Enhanced Immunoturbidimetry			
HbA1c : Glycosylated hemoglobin concentration is dependent on the average blood glucose concentration which is formed progressively and irreversibly over a period of time and is stable till the life of the RBC/erythrocytes.Average Blood Glucose (A.B.G.) is calculated value from HbA1c : Glycosylated hemoglobin concentration in whole Blood.It indicates average blood sugar level over past three months.			
BLOOD GLUCOSE FASTING & PP			
BLOOD GLUCOSE FASTING	84.5	mg/dL	70 - 110
URINE GLUCOSE FASTING	Absent		
URINE KETONE FASTING	Absent		
BLOOD GLUCOSE PP	88.0	mg/dL	70 - 140
URINE GLUCOSE PP	Absent		
URINE KETONE PP	Absent		
Method (GOD-POD), DONE ON FULLY AUTOMATED ANALYSER (EM200).			
1. Fasting is required (Except for water) for 8-10 hours before collection for fasting specimen. Last dinner should consist of bland diet.			
2. Don't take insulin or oral hypoglycemic agent until after fasting blood sample has been drawn			

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BIOCHEMISTRY

TEST NAME	RESULTS	UNIT	REFERENCE RANGE
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INTERPRETATION

- Normal glucose tolerance : 70-110 mg/dl
- Impaired Fasting glucose (IFG) : 110-125 mg/dl
- Diabetes mellitus : \geq 126 mg/dl

POSTPRANDIAL/POST GLUCOSE (75 grams)

- Normal glucose tolerance : 70-139 mg/dl
- Impaired glucose tolerance : 140-199 mg/dl
- Diabetes mellitus : \geq 200 mg/dl

CRITERIA FOR DIAGNOSIS OF DIABETES MELLITUS

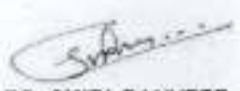
- Fasting plasma glucose \geq 126 mg/dl
- Classical symptoms + Random plasma glucose \geq 200 mg/dl
- Plasma glucose \geq 200 mg/dl (2 hrs after 75 grams of glucose)
- Glycosylated haemoglobin $>$ 6.5%

***Any positive criteria should be tested on subsequent day with same or other criteria.

Result relates to sample tested, Kindly correlate with clinical findings.

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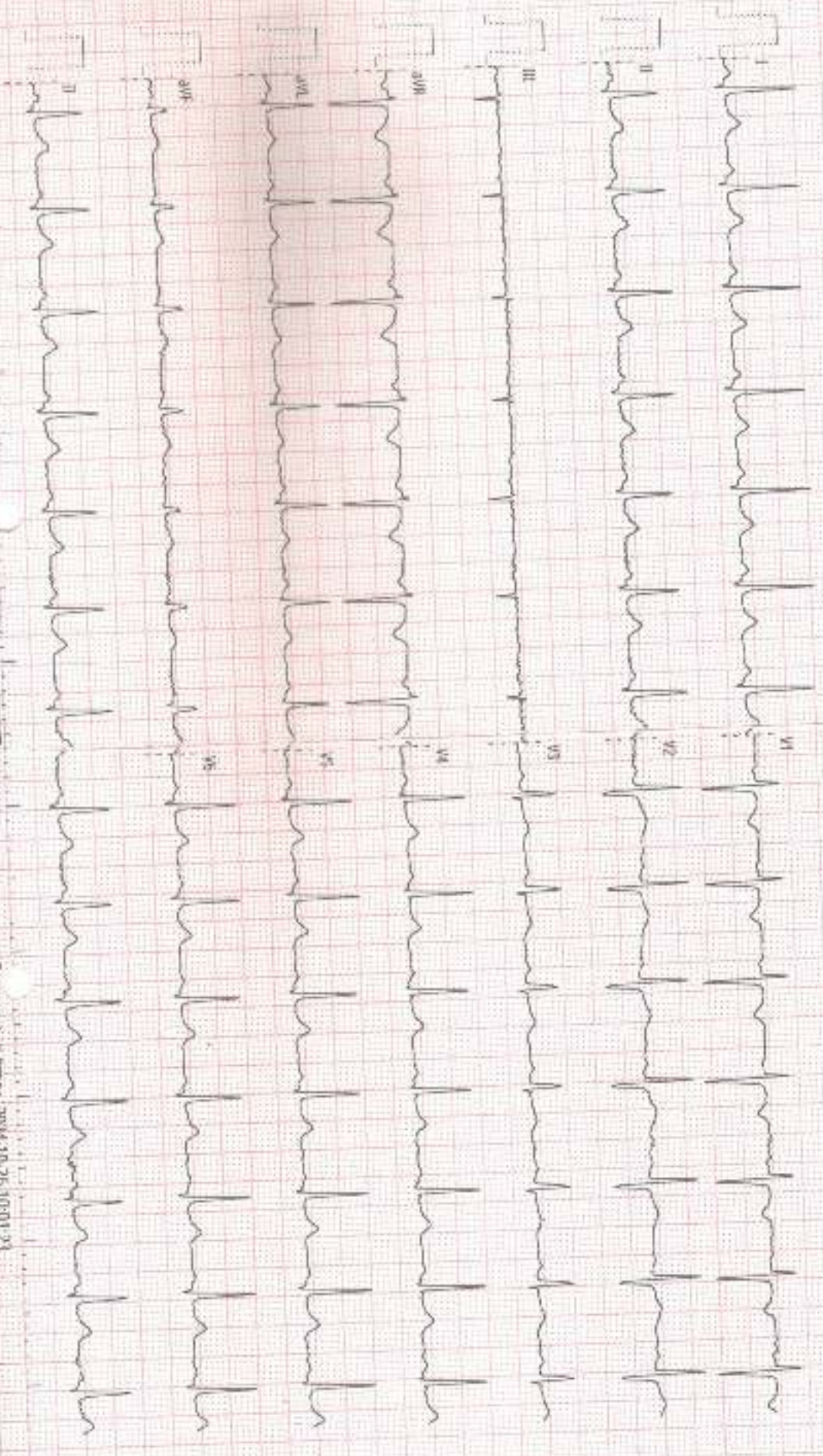


ECG report

Confirm and sign:

<<Interpretations >>
Sinus rhythm
Normal ECG

ID : 20241020095803 HR : 88 bpm
 Name : pupa, reha PR : 138 ms
 Gender : F QRS : 86 ms
 Age : 32 Years QT/QTc : 362/411 ms
 Dept : P/QRST : 12/15/32°
 Bed No : RV5/SV1 : 1.066/0.982 mV
 RV5+SV1 : 2.008 mV



0.34Hz - 35Hz - AC 50Hz - 25mm/s - 10mm/mV V1 V2 V3 Sequential

Exam start time : 2024-10-26 10:01:23

2D ECHOCARDIOGRAPHY & COLOR DOPPLER REPORT

NAME	MRS NEHA GUPTA
DATE	26/10/2024
REF BY	SELF
DONE BY	DR MAYUR JAIN (9867280303/ 9222888070)

2D

- All cardiac chambers are normal in size.
- No concentric left ventricular hypertrophy.
- No regional wall motion abnormality.
- Normal LV systolic function. LVEF is approximately 65% visually.
- Normal RV systolic function.
- All valves are normal in structure.
- IAS and IVS are intact.
- Aortic arch normal.
- No e/o clot/ vegetation/ effusion.

M-MODE

LVIDd	44	mm	Ao	29	mm
LVIDs	30	mm	LA	31	mm
EDV	140	ml			
ESV	90	ml			
EF	60	%			
IVS(d)	9	mm			
PW(d)	12	mm			

COLOR DOPPLER

- No stenotic or regurgitant lesion at any valve
- No significant gradient across aortic valve.
- No LV diastolic dysfunction.
- No significant pulmonary hypertension.

IMPRESSION

- Essentially normal study.

Many thanks for reference



Dr, Mayur N Jain
MD DM cardiology- gold medalist
FACC, FSCAI, ICOB- USA ; AFESC -UK.
Consultant interventional cardiologist

MEDICAL EXAMINATION REPORT

Name Mr./Mrs./ Miss	Neha Gupta		
Sex	Male/ Female		
Age (yrs.)	32	UHID :	
Date	28 / 10 / 2024	Bill No. :	
Marital Status	Married/ No. of Children / Unmarried/ Widow :		
Present Complaints	LMP - 9/8/2024 . G.P, A04 .		
Past Medical : History Surgical :	no any surgical H/O .		
Personal History	Diet : Veg <input checked="" type="checkbox"/> / Mixed <input type="checkbox"/> : Addiction : Smoking <input type="checkbox"/> / Tobacco Chewing <input type="checkbox"/> / Alcohol <input type="checkbox"/> / Any Other : NO		
Family History	Father = Mother = Siblings =	HT / DM / IHD / Stroke / Any Other NO Mother = HT / DM / IHD / Stroke / Any Other Siblings = HT / DM / IHD / Stroke / Any Other	
History of Allergies	Drug Allergy : NO any allergy . Any Other :		
History of Medication	For HT / DM / IHD / Hypothyroidism Any Other : on folic acid . - pregnancy		
On Examination (O/E)	G. E. : Fair R. S. : clear C. V. S. : S, K ⊙ C. N. S. : Unusual. P/A : soft Any Other Positive Findings :		

Blood reports awaited .

Height	157. cms	Weight	08.5. Kgs
BMI	27.8		
Pulse (per min.)	86/min	Blood Pressure (mm of Hg)	100/60 mm of Hg
Gynaecology			
Examined by	Dr.		
Complaint & Duration	No any do.		
Other symptoms (Mict, bowels etc)	(N)		
Menstrual History	Menarche	Cycle	28 days + . Loss
	Pain	I.M.B.	P.C.B.
	L.M.P.	9/8/2024	Vaginal Discharge
	Cx. Smear	Contraception	
Obstetric History	G2P, A0L, - F1ND - 19 months - Male .		
Examination :			
	Breast		
	Abdomen		
	P.S.		
	P.V.		
Gynaecology Impression & Recommendation			
Recommendation			
Physician Impression			
Generally she is fit & she can resume her normal duties.			
Examined by :		- Overweight = To Reduce Weight - Underweight = To Increase Weight	