Radiance®

CLINICAL DIAGNOSTIC CENTRE
COMPLETE PATHOLOGICAL SOLUTION

Name	: Mrs. NEHA GUPTA	Collected On	: 26/10/2024 11:47 am
Lab ID.	: 211836	Received On	: 26/10/2024 11:57 am
Age/Sex	: 32Years / Female	Reported On	: 26/10/2024 6:55 pm
Ref By	: JINKUSHAL CARDIAC CARE & SUPER SPECIALITY HOS	Report Status	: FINAL
Consulting Dr.	: DR. MAYUR JAIN		

*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.
S.HDL CHOLESTEROL (DIRECT MEASURE - PEG)	49.4	mg/dL	Major risk factor for heart :<30 mg/dl. Negative risk factor for heart disease :>=80 mg/dl.
S. TRIGLYCERIDE (ENZYMATIC, END POINT)	85.0	mg/dL	Desirable level : <161 mg/dl. High :>= 161 - 199 mg/dl. Borderline High :200 - 499 mg/dl. Very high :>499mg/dl.
VLDL CHOLESTEROL (CALCULATED VALUE)	17	mg/dL	UPTO 40
S.LDL CHOLESTEROL (CALCULATED VALUE)	54	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.
LDL CHOL/HDL RATIO (CALCULATED VALUE)	1.09		UPTO 3.5
CHOL/HDL CHOL RATIO (CALCULATED VALUE)	2.43		<5.0

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
SHAISTA Q

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

Main Center :- 2-3, 'Silver Plaza' E.S.I.S. Hospital Road, Opp. Suryadarshan Tower, Thane (W)-400 604. ☎ +91 91363 56284
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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
HEMATOCRIT (PCV)	**33.9**	%	36 - 46
RBC COUNT	**4.06**	x10^6/uL	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
DIFFERENTIAL COUNT			
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.

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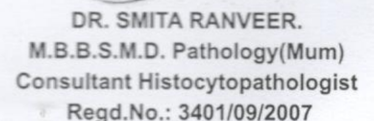

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IMMUNO ASSAY

TEST NAME	RESULTS	UNIT	REFERENCE RANGE
TFT (THYROID FUNCTION TEST)			
SPECIMEN	Serum		
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 Thyronine) AGE	RANGE	T4 (Thyroxine) 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	0.7-6.4
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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*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 (Biuret)	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.

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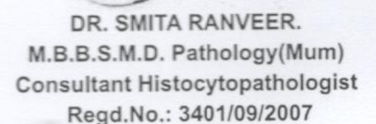

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LIVER FUNCTION TEST

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.

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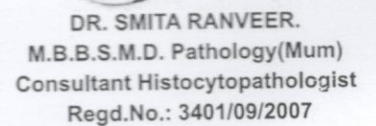

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HAEMATOLOGY

TEST NAME	RESULTS	UNIT	REFERENCE RANGE
ESR			
ESR	**60**	mm/1hr.	0 - 20

METHOD - WESTERGREN

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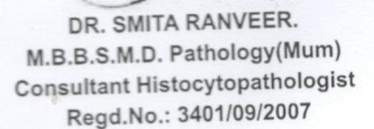

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BIOCHEMISTRY

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.

TEST NAME	RESULTS	UNIT	REFERENCE RANGE
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 speciman. 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

INTERPRETATION
- Normal glucose tolerance : 70-110 mg/dl
- Impaired Fasting glucose (IFG) : 110-125 mg/dl
- Diabetes mellitus : >=126 mg/dl

POSTPRANDIAL/POST GLUCOSE (75 grams)
- Normal glucose tolerance : 70-139 mg/dl
- Impaired glucose tolerance : 140-199 mg/dl
- Diabetes mellitus : >=200 mg/dl

CRITERIA FOR DIAGNOSIS OF DIABETES MELLITUS
- Fasting plasma glucose >=126 mg/dl
- Classical symptoms +Random plasma glucose >=200 mg/dl
- Plasma glucose >=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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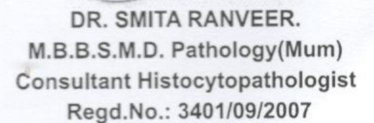

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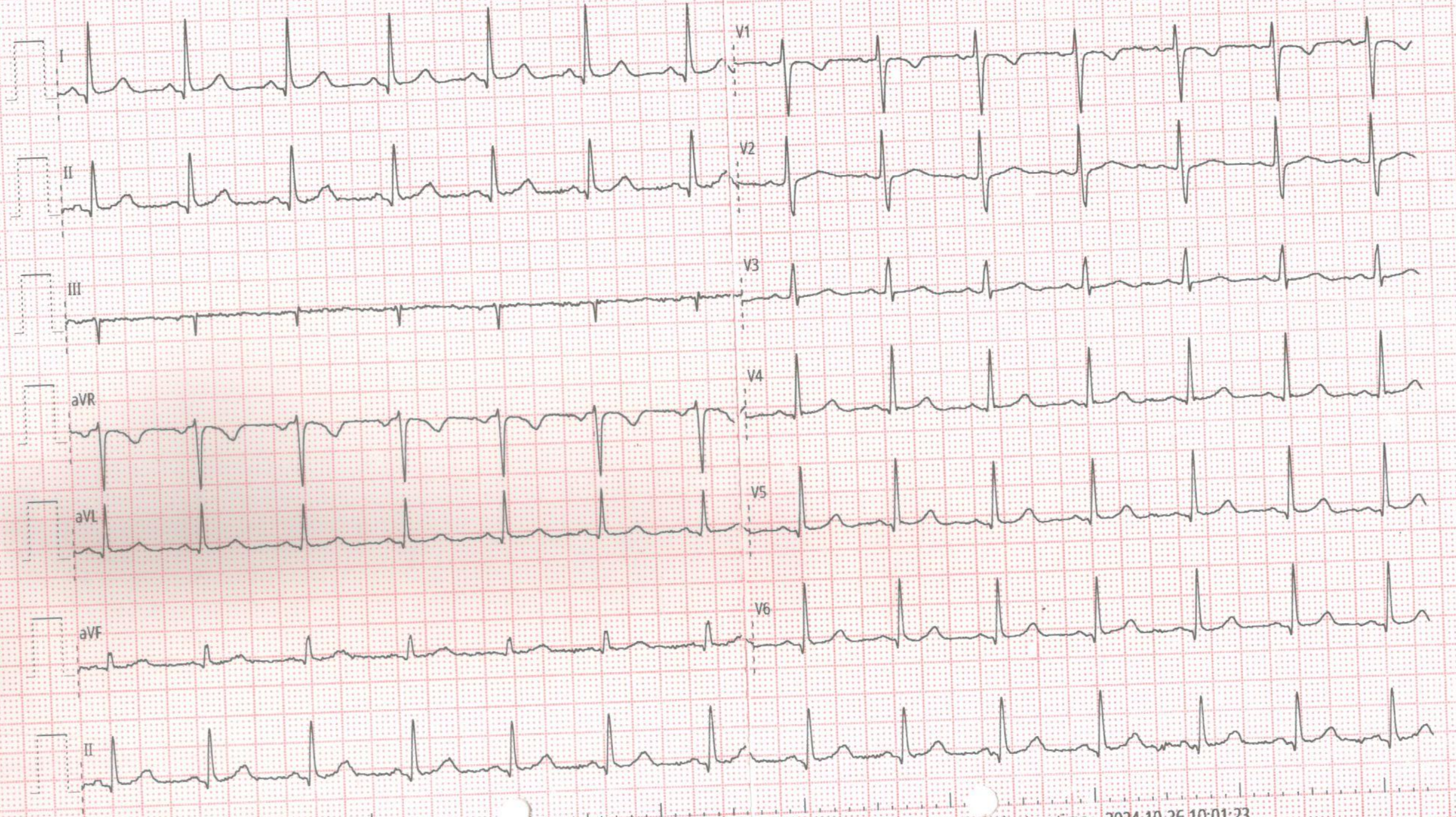
ECG report

ID : 20241026095803
Name : gupta,neha
Gender : F
Age : 32 Years
Dept :
Bed No. :

HR : 88 bpm
PR : 130 ms
QRS : 86 ms
QT/QTc : 362/411 ms
P/QRS/T : 13/15/32 °
RV5/SV1 : 1.066/0.942 mv
RV5+SV1 : 2.008 mv

<<Interpretations>>
Sinus rhythm
Normal ECG

Confirm and sign :



0.3Hz - 35Hz - AC 50Hz 25mm/s 10mm/mv V1.0.26 Sequential

Examination 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. G2P1A0L1.
Past Medical : **History** Surgical :	No any surgical H/o.
Personal History	Diet : Veg ☐ / Mixed ☐ : Addiction : Smoking ☐ / Tobacco Chewing ☐ / Alcohol ☐/ 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 Any Other No any allergy.
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. : S1 S2 (N) C.N.S. : Conscious. P/A : Soft Any Other Positive Findings :

Blood reports attached.

Height 157. cms	Weight 68.5. 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 c/o.
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	$G_2 P_1 A_0 L_1$. FTND. 19 mnths - 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

No. 16 Parwati