



Meenakshi Diagnostics

73-C, Garh Road, Near Hotel Harmony Inn, Meerut-250002 (U.P.)

Ph: 0121-2766666, 9458802222, 9458803333, 9458804444, 9458806666

Centre equipped with MRI with upgraded software of 3T Platform, 500 Slice VHS C.T. Scan,
Digital X-Ray, Mammography (C.P.G. 40-50) Ultrasound & Colour Doppler, 2-D Echocardiography.

Pt. Name	Mrs. Mamta Rani	Age/Sex	29 Yrs/F
Ref. By	C/o S. D. A. Diagnostics	Date:	24.02.2024

ECHOCARDIOGRAPHY REPORT

MEASUREMENTS:

DIMENSIONS

		NORMAL		NORMAL
AO (ed)	2.3 cm	(2.1 – 3.7 cm)	IVS (ed)	1.0 cm (0.6 – 1.2 cm)
LA (es)	2.5 cm	(2.1 – 3.7 cm)	LVPW (ed)	1.2 cm (0.6 – 1.2 cm)
RVID (ed)	2.0 cm	(1.1 – 2.3 cm)	EF	60% (62% – 85%)
LVID (ed)	5.1 cm	(3.6 – 5.2 cm)	FS	30% (28% – 42%)

MORPHOLOGICAL DATA:

Mitral	Normal	LA	Normal
Aortic Valve	Normal	RA	Normal
Pulmonary Valve	Normal	IAS	Intact
Tricuspid Valve	Normal	IVS	Intact
LV	Normal	AO	Normal
RV	Normal	Pericardium	Normal

Contd...2

Note: All congenital anomalies may not be diagnosed in routine USG. The USG findings should always be considered in correlation with clinical and other investigations findings to reach the final diagnosis. Kindly intimate us for any typing mistakes and return the report for correction within 7 days. **Not valid for medico-legal purpose.**



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::2::

2-D ECHOCARDIOGRAPHY FINDINGS:

LV normal in size with normal LV systolic function. No regional wall motion abnormality. RV normal in size with adequate contractions. LA and RA are normal. All cardiac valves structurally normal. Pericardium normal. No intra-cardiac mass. Estimated LV ejection fraction is approximately 60%.

COLOR FLOW MAPPING:

Normal

DOPPLER STUDIES:

MVIS E > A

Peak systolic velocity across aortic valve = 1.0m/sec.

Peak systolic velocity across pulmonary valve = 0.9m/sec.

IMPRESSION:

- NO RWMA
- Adequate LV systolic function. LVEF = 60%.


Dr. Sanjeev Kumar
MD, Dip. Card, FCCS

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Pt. Name	Mrs. Mamta Rani	Age/Sex	29 Yrs/F	Film
Ref. By	C/o S. D. A. Diagnostics	Date:	24.02.2024	02

Patient identity can't be verified

USG WHOLE ABDOMEN

Liver: is normal in size (14.1cm) and shows mildly increased parenchymal echogenicity. No focal mass lesion seen. IHBRs are normal. Margins are regular.

Gall Bladder: is well distended. Wall thickness is normal. No calculus / focal mass seen. No pericholecystic collection seen.

CBD: is normal in caliber.

Portal Vein: is normal in caliber.

Visualized pancreas: is normal in size and echotexture. No focal mass seen.

Spleen: is normal in size, measuring 10.6 cm and shows normal echopattern.

Right kidney measures 9.9x3.4 cm. It is normal in size, position, contour and cortical echotexture. No calculus/ hydronephrosis seen. Corticomedullary differentiation is maintained. Renal margins are regular.

Left kidney measures 10x3.5 cm. It is normal in size, position, contour and cortical echotexture. No hydronephrosis is seen. Corticomedullary differentiation is maintained. Renal margins are regular. **Few concretions of size ~ 2-3 mm are seen at mid zone.**

Urinary Bladder: is well distended with normal wall thickness. No calculus/ focal mass seen.

Uterus: is retroverted, normal in size, measuring 7.6x3.5 cm. Myometrial echotexture is normal. No focal mass seen. Endometrial thickness is normal.

Cervix appears mildly bulky.

Right ovary measures 2x2x2.5cm (vol. 5.6 cc). **Left ovary** measures 1.7x2.3x2.8cm (vol. 6.3 cc).

Both ovaries are normal in size **with multiple small follicles arranged peripherally.**

No adnexal mass / free fluid seen.

IMPRESSION: USG findings reveal:

- **Grade I fatty infiltration of liver. Adv: Liver function test.**
- **Mildly bulky cervix -- ? Cervicitis. Adv- Pap smear**
- **Multiple small follicles arranged peripherally in both ovaries -- ? PCOS morphology. Adv- Hormonal assay.**

Adv: Clinical correlation & further work up.

Dr. Mohd. Saalim
MD

Dr. Sandeep Sirohi
DMRD

Dr. Sandeep Singh Soam
MD

Dr. Renu Diwakar
MBBS

Dr. Mohd. Saalim
MD

Dr. Mohd. Qasim
DMRD
KB

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Branch-1: I Block, 114/1, Shastri Nagar,
Near Kuti Chowraha, PVS Road, Meerut

Branch-2: G-9, Hitech Plaza, Garh Road,
Opp. Yug Hospital, Hapur Bus Stand, Meerut



Helpline No. : +91 95481 32613

ISO 9001:2015 PT. NAME	MRS. MAMTA RANI	AGE/SEX	36 Y/F	FILM
REF. BY	DR. SELF	DATE:	24/02/2024	01

X-RAY CHEST PA VIEW

- Both CP angles are normal.
- Trachea is normal in position.
- Cardiac size is within normal limits.
- Both hila are normal.
- Heart, aorta & mediastinum are normal
- Bony thoracic cage appears normal.

NORMAL STUDY



DR. MOHIT SHARMA

(MBBS)(DMRD) Chief consultant

Interventional Radiologist

Dr. Shivangi Singhal
M.D. Pathology

Dr. Sonal Dhingra Anand
M.D. Pathology

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Reg. No. : RMEE2229839 | Certificate No. : CMEE2369518 | Dr. Regn. No. : SMC/11566

SANJAY EYE NURSING HOME

Regd No 01047
Dt. 30-04-2004

डॉ० संजय गुप्ता

संजय आई नर्सिंग होम

Dr. Sanjay Gupta

ई- 1252 निकट पी डी एस भवन
राजकी नगर, मेरठ ।

MBBS DOIGNEC, MAMC, N Delhi
एच डी होस्पिटल EYE SURGEON

**आई. ओ. एल. वैंगलर, कॉन्टैक्ट लेन्स एवं
कॉन्को द्वारा मेडिकलिंग ऑपरेशन विशेषज्ञ**

भारतीय एजीकैटिंग सोसिटी :-

- एक मेडिकल सुपर स्पेशलिस्ट क्लिनिक
- सुकलमान आई क्लिनिक एवं क्लिनिक
- मेरठ आई हॉस्पिटल एवं क्लिनिक

पूर्व मुख्य चिकित्साधिकारी एवं कन्सल्टेंट
मेरठ नैचुरल चिकित्सालय, मुजफ्फरनगर

उमर
प्रातः 8 बजे से रात्रि 800 बजे तक

फोन 0121-2760991

मोबाईल 9412115353

E-mail sanjayeyehospital@gmail.com

गुरिधारी स्वस्थ :-

- कम्प्यूटर द्वारा कलम एवं कलम मेडिकलिंग की जाँच
- कॉन्को द्वारा बिना इन्फेक्शन, बिना टीके का मेडिकलिंग ऑपरेशन
- वेन लेजर
- ए-स्क्रीन
- आँखों के घाव का इलाज
- वैंगलर, मासूर, फलकबन्दी, मासूर एवं अन्य ऑपरेशन
- सभी ऑपरेशन दूरबीन द्वारा किये जाते हैं ।

निःशुल्क आँखों की जांच

निःशुल्क आँखों का ऑपरेशन

आयुष्मान भारत के मरीजों के लिए

कोलकाता केमि क्लिनिक, कॉन्को एवं दूरबीन द्वारा

निःशुल्क सुविधा रात्रि ठहरने की

बाकी मरीजों के लिए न्यूनतम खर्च में

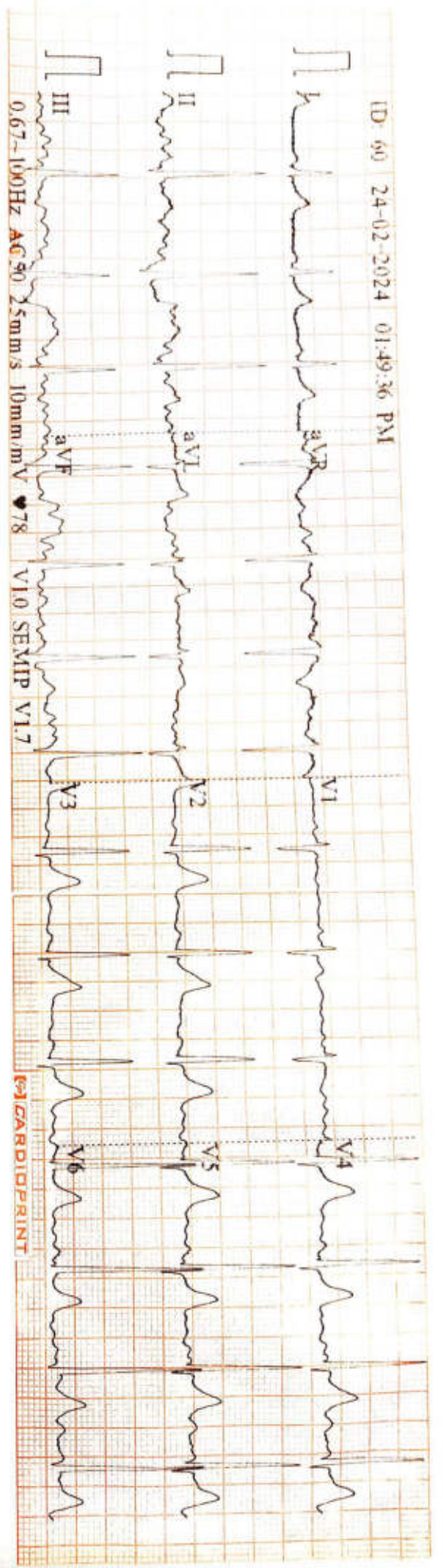
Mrs Mamta 29/6

*for checkup
of eyes and ... 9/6*

Sanjay

दिनांक 24/3/24

ID: 60 24-02-2024 01:49:36 PM



ID: 60	Female	36 Years	cm	kg	mmHg	Diagnosis Information:
HR	86	bpm				Sinus Rhythm
P	101	ms				***Normal ECG***
PR	125	ms				
QRS	80	ms				
QT/QTc	339/406	ms				
P/QRST	63/71/49	ms				
RV5/SV1	1.901/0.539	mV				

Normal ECG

Dr. SONAL DHIMERA
M.B.B.S., M.D.

Report Confirmed by:



Lab Ref. No. : 234028180	C. NO: 19	Centre Name : SDA Diagnostics
Name : Mrs. MAMTA RANI		Collection Time : 24-Feb-2024 11:31AM
Age/ Gender : 36Y / Female		Receiving Time : 24-Feb-2024 11:31AM
Referred By : Dr. SELF		Reporting Time : 24-Feb-2024 12:23PM
Sample By :		

Test Name	Results	Units	Biological Ref-Interval
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HAEMATOLOGY

COMPLETE BLOOD COUNT

HAEMOGLOBIN (Colorimetry)	12.40	g/dl	12-16.5
TOTAL LEUCOCYTE COUNT (Electric Impedence)	8400.00	/Cum m	4000-11000
DIFFERENTIAL LEUCOCYTE COUNT (Microscopy)			
Neutrophils	67.00	%	44-68
Lymphocytes	27.00	%	25- 44
Eosinophils	3.00	%	0.0- 4.0
Monocytes	3.00	%	0.0-7.0
Basophils	0.00	%	0.0-1.0
Immature Cells	00	%	
Absolute Count			
Neutrophils Count (calculated)	5628.00	/cumm	2000-7000
Lymphocytes Count (calculated)	2268.00	/cumm	1000-3000
Eosinophils Count (calculated)	252.00	/cumm	40-440
Monocytes Count (calculated)	252.00	/cumm	200-1000
Basophils Count (calculated)	0.00	/cumm	0-30
TOTAL R.B.C. COUNT (Electric Impedence)	4.74	10 ⁶ /uL	3.50-5.50
Haematocrit Value (P.C.V.) (Calculated)	37.50	%	37.0-54.0
MCV (Calculated)	79.00	fL	76-98
MCH	26.20	pg	27-32



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(Calculated)			
MCHC	33.10	g/dl	31-35
(Calculated)			
RDW-CV	14.60	%	11.5 - 14.5
(Calculated)			
Platelet Count	313	Thousand/cumm	150-450
(Electric Impedence)			
MPV	8.70	fL	11.5-14.5
(Calculated)			
PDW	16.00	fL	9.0-17.0
(Calculated)			
Peripheral Smear	..		

Erythrocyte Sedimentation Rate

(Modified Westergren)

At the end of 1st hour 14 mm 0-20

BLOOD GROUP

Blood Group O
Rh Status POSITIVE

GLYCATED HAEMOGLOBIN (HbA1c) 5.10 % 4.5-6.0
ESTIMATED AVERAGE GLUCOSE 99.67 mg/dl

EXPECTED RESULTS :

Non diabetic patients & Stabilized diabetics : 4.5 % to 6.0 %
Good Control of diabetes : 6.1 % to 7.0 %
Fair Control of diabetes : 7.1 % to 8.0 %
Poor Control od diabetes : 8 % and above

The glycosylated hemoglobin assay has been validated as a reliable indicator of mean blood glucose levels for a period of 8-12 week period prior to HBA1C determination.ADA recommends the testing twice a year in patients with stable blood glucose, and quarterly, if treatment changes, or if blood glucose levels are unstable.



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Test Name	Results	Units	Biological Ref-Interval
BIOCHEMISTRY			
BLOOD GLUCOSE FASTING (GOD/POD method)	90.00	mg/dl	70 - 110
BLOOD GLUCOSE P.P. (GOD/POD method) After 2.0 hrs of meal	118.00	mg/dl	70-140



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Test Name	Results	Units	Biological Ref-Interval
LIVER PROFILE			
SERUM BILIRUBIN			
TOTAL (Diazo)	0.33	mg/dl	0.30-1.20
DIRECT (Diazo)	0.16	mg/dl	0.00-0.20
INDIRECT (Calculated)	0.17	mg/dl	0.20-1.00
S.G.P.T. (IFCC method)	19.00	U/L	0-45
S.G.O.T. (IFCC method)	22.00	U/L	0-45
SERUM ALKALINE PHOSPHATASE (4-nitrophenylphosphate to 2-amino-2-methyl-1propan	97.00	IU/L.	35-145
SERUM PROTEINS			
TOTAL PROTEINS (Biuret)	6.40	Gm/dL.	6.0-8.0
ALBUMIN (Bromocresol green Dye)	4.00	Gm/dL.	3.5-5.2
GLOBULIN (Calculated)	2.40	Gm/dL.	2.5-3.5
A : G RATIO (Calculated)	1.67		1.5-2.5

LIVER FUNCTION TESTS CHECK THE LEVEL OF CERTAIN ENZYMES AND PROTEINS IN BLOOD

Levels that are higher or lower than normal can indicate liver problems. Some common liver function tests include :

Alanine transaminase (ALT). ALT is an enzyme found in the liver and When the liver is damaged, ALT is released into the bloodstream and levels increase.

Aspartate transaminase (AST). AST is an enzyme that helps metabolize alanine,an amino acid.

AST is normally present in blood at low levels. An increase in AST levels may indicate liver damage or disease or muscle damage.

Alkaline phosphatase (ALP). ALP is an enzyme in the liver, bile ducts and bone.



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RENAL PROFILE			
BLOOD UREA (Urease Glutamate dehydrogenase)	24.0	mg/dl	10-50
SERUM CREATININE (Jaffe`s)	0.80	mg/dL.	0.6-1.2
SERUM URIC ACID (Urease method)	5.0	mg/dL.	3.5-7.5
SERUM SODIUM (Na) (ISE Direct)	138.0	mmol/l	135 - 155
SERUM POTASSIUM (K) (ISE Direct)	3.90	mmol/l	3.5 - 5.5
SERUM CALCIUM (Arsenazo)	9.0	mg/dl	8.5-10.1
SERUM PROTEIN			
TOTAL PROTEINS (Biuret)	6.40	Gm/dL.	6.0-8.0
SERUM ALBUMIN (Bromocresol green Dye)	4.00	Gm/dL.	3.5-5.2
GLOBULIN (Calculated)	2.40	Gm/dL.	2.5-3.5
A : G RATIO (Calculated)	1.67	Gm/dL.	1.5-2.5

INTERPRETATION:

Urea is the end product of protein metabolism. It reflects on functioning of the kidney in the body. Creatinine is the end product of creatine metabolism. It is a measure of renal function and elevated levels are observed in patients typically with 50% or greater impairment of renal function. Sodium is critical in maintaining water & osmotic equilibrium in extracellular fluids. Disturbances in acid base and water balance are typically reflected in the sodium concentrations . Potassium is an essential element involved in critical cell functions. Potassium levels are influenced by electrolyte intake ,excretion and other means of elimination, exercise, hydration and medications. Calcium imbalance may cause a spectrum of disease . High concentrations are seen in Hyperparathyroidism, Malignancy & Sarcoidosis. Low levels may be due to protein deficiency, renal insufficiency and Hypoparathyroidism. Repeat measurement is recommended if the values are outside the reference range.



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Test Name	Results	Units	Biological Ref-Interval
LIPID PROFILE			
SERUM CHOLESTEROL (CHOD - PAP)	182.0	mg/dl	125-200
SERUM TRIGLYCERIDE (GPO-PAP)	105.0	mg/dl	50-150
HDL CHOLESTEROL (Direct Method)	40.0	mg/dl	30-80
VLDL CHOLESTEROL (Calculated)	21.0	mg/dl	5-35
LDL CHOLESTEROL (Calculated)	121.0	mg/dL.	70-130
LDL/HDL RATIO (Calculated)	3.0		0.0-4.9
CHOL/HDL CHOLESTROL RATIO (Calculated)	4.6		1.5-3.0

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 12 hrs., alcohol intake, diabetes melitus, and pancreatitis.

CHOLESTEROL, its fractions and triglycerides are the important plasma lipids in defining cardiovascular risk factors and in the management 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.



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HORMONE

THYROID PROFILE

Triiodothyronine (T3) (FIA)	0.96	ng/dl	0.52-1.85
Thyroxine (T4) (FIA)	9.48	ug/dl	4.8-11.6
THYROID STIMULATING HORMONE (TSH) (FIA)	1.97	mIU/L	0.50-5.50

Interpretation Note:

Thyroid Stimulating Hormone (TSH) is a highly effective screening assay for thyroid disorders. In patients with an intact pituitary-thyroid axis, TSH provides a physiologic indicator of the functional level of thyroid hormone activity. Increased TSH indicates inadequate thyroid hormone, and suppressed s-TSH indicates excess thyroid hormone. Transient s-TSH abnormalities may be found in seriously ill, hospitalized patients, so this is not the ideal setting to assess thyroid function. However, even in these patients, s-TSH works better than total thyroxine (an alternative screening test). When the s-TSH result is abnormal, appropriate follow-up tests T4 & free T3 levels should be performed. If TSH is between 5.0 to 10.0 & free T4 & free T3 level are normal then it is considered as subclinical hypothyroidism which should be followed up after 4 weeks & If TSH is > 10 & free T4 & free T3 level are normal then it is considered as overt hypothyroidism.

Serum triiodothyronine (T3) levels often are depressed in sick and hospitalized patients, caused in part by the biochemical shift to the production of reverse T3. Therefore, T3 generally is not a reliable predictor of hypothyroidism. However, in a small subset of hyperthyroid patients, hyperthyroidism may be caused by overproduction of T3 (T3 toxicosis). To help diagnose and monitor this subgroup, T3 is measured on all specimens with suppressed s-TSH and normal FT4 concentrations.

Normal ranges of TSH & thyroid hormones vary according trimester in pregnancy.

TSH ref range in Pregnancy	Reference range (microIU/ml)
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First trimester	0.24 - 2.00
Second trimester	0.43-2.2
Third trimester	0.8-2.5



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Lab Ref. No. : 234028180	C. NO: 19	Centre Name : SDA Diagnostics
Name : Mrs. MAMTA RANI		Collection Time : 24-Feb-2024 11:31AM
Age/ Gender : 36Y / Female		Receiving Time : 24-Feb-2024 11:31AM
Referred By : Dr. SELF		Reporting Time : 25-Feb-2024 10:37AM
Sample By :		

Test Name	Results	Units	Biological Ref-Interval
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CLINICAL PATHOLOGY

URINE EXAMINATION REPORT

PHYSICAL EXAMINATION

VOLUME (visual)	10	ml	
COLOUR (visual)	PALE YELLOW		
APPEARANCE (visual)	CLEAR		
pH	6.50		4.6 - 8.0
SPECIFIC GRAVITY (pKa Change)	1.015		1.010-1.030

BIOCHEMICAL EXAMINATION

UROBILINOGEN (Erichs)	NIL		NIL
BILIRUBIN (Azo-coupling reaction)	NEGATIVE		NEGATIVE
NITRITE	NEGATIVE		NEGATIVE
SUGAR (Glucose Oxidase Peroxidase)	NIL		Nil
ALBUMIN (Protein-Error-of-Indicator))	NIL		Nil
PHOSPHATE	NIL		Nil

MICROSCOPIC EXAMINATION

(Microscopy)			
RED BLOOD CELLS	NIL	/H.P.F.	0-2
PUS CELLS	1-2	/H.P.F.	0-5
EPITHELIAL CELLS	2-3	/H.P.F.	0-5
CRYSTALS	NIL	/H.P.F.	NIL
CASTS	NIL	/L.P.F.	
OTHER			



Sonal Dhingra

Dr. Bhavna Sharma
M.D. Pathology

Dr. Swati Tiwari
M.D. Microbiology

Dr. Sonal Dhingra Anand
M.D. Pathology

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-----{END OF REPORT }-----



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