



# 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, O.P.G., 4D / 5D Ultrasound & Colour Doppler, 2-D Echocardiography

Pt. Name	Mr. Kapil Gupta	Age/Sex	33 Yrs/M
Ref. By	C/o S. D. A. Diagnostics	Date:	24.02.2024

## ECHOCARDIOGRAPHY REPORT

### MEASUREMENTS:

DIMENSIONS		NORMAL		NORMAL
AO (ed)	2.5 cm	(2.1 – 3.7 cm)	IVS (ed)	1.0 cm (0.6 – 1.2 cm)
LA (es)	2.6 cm	(2.1 – 3.7 cm)	LVPW (ed)	1.0 cm (0.6 – 1.2 cm)
RVID (ed)	2.0 cm	(1.1 – 2.3 cm)	EF	60% (62% – 85%)
LVID (ed)	4.9 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 error or 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	Mr. Kapil Gupta	Age/Sex	33 Yrs/M	Film
Ref. By	SDA diagnostic credit Hospital	Date:	24.02.2024	01

Patient identity can't be verified

## USG WHOLE ABDOMEN

**Liver:** is normal in size (12.6 cm) with normal echotexture. No focal/diffuse mass lesion is seen. IHBRs are normal. Liver margins are smooth and regular.

**Gall Bladder:** is well distended. Walls are normal. No calculus/focal mass is seen.

CBD is normal in calibre.

**Portal vein** is normal in calibre.

**Pancreas:** is normal in size and echotexture. No peripancreatic collection is seen. Pancreatic duct is not dilated.

**Spleen:** is normal in size measuring ~8.8 cm with normal echotexture.

**Right kidney:** measures ~9.8x3.8 cm. It is normal in size, shape, position and contour. Cortical echotexture is uniform. No calculus/hydronephrosis is seen. Corticomedullary differentiation is maintained. Renal margins are regular. Renal cortical thickness is normal.

**Left kidney:** measures ~8.9x4.7 cm. It is normal in size, shape, position and contour. Cortical echotexture is uniform. No hydronephrosis is seen. Corticomedullary differentiation is maintained. Renal margins are regular. Renal cortical thickness is normal. **Few concretions of 2-3 mm are seen.**

**Urinary bladder:** is partially distended. Walls are normal.

**Prostate** is normal in size measures ~2.8x2.9x2.9 cm (vol. ~ 13cc) with normal echotexture.

**Few excessively gas filled bowel loops are seen.**

**IMPRESSION – USG findings are suggestive of :-**

- **Left renal concretion.**
- **Few excessively gas filled bowel loops.**

**ADV: Clinical correlation & Follow up.**

  
Dr. Mohd. Saalim  
MD

Dr. Sandeep Sirohi  
DMRD

Dr. Mohd. Saalim  
MD

Dr. Sandeep Singh Soam  
MD

Dr. Mohd. Qasim  
DMRD

seema

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ISO 9001:2015 PT. NAME	MR. KAPIL GUPTA	AGE/SEX	33 Y/M	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 01647  
Dt. 30-04-2004

## डॉ० संजय गुप्ता

### Dr. Sanjay Gupta

MBBS, DO(GNEC, MAMC, N. Delhi)  
नेत्र रोग विशेषज्ञ / EYE SURGEON

आई. ओ. एल. भेंगापन, कॉन्टैक्ट लैन्स एवं  
फेको द्वारा मोतियाबिन्द-ऑपरेशन विशेषज्ञ

भूतपूर्व रेजीडेंट सर्जन -

- गुरु तेगबहादुर अस्पताल, दिल्ली
- गुरुनानक आई सेंटर, नई दिल्ली
- मोहन आई इन्स्टीट्यूट, नई दिल्ली

पूर्व मुख्य चिकित्साधिकारी एवं कन्सलटेन्ट  
नेहरू नेत्र चिकित्सालय, मुज़फ्फरनगर

## संजय आई नर्सिंग होम

के- 1252, निकट पी.वी.एस. मॉल  
शास्त्री नगर, मेरठ ।

समय :

प्रातः 8 बजे से रात्रि 8:00 बजे तक

फोन : 0121-2760991

मोबाईल : 9412115353

E-mail : sanjayeyehospital@gmail.com

सुविधाएँ उपलब्ध :-

\* कम्प्यूटर द्वारा चश्मे एवं  
काला मोतियाबिन्द की जाँच

\* फेको द्वारा बिना इन्जेक्शन,  
बिना टाँके का मोतियाबिन्द  
ऑपरेशन

\* येग लेज़र

\* ए-स्कैन

\* आँखों के घाव का इलाज

\* भेंगापन, नासूर, पलकबन्दी,  
नाखूना एवं अन्य ऑपरेशन

\* सभी ऑपरेशन दूरबीन  
द्वारा किये जाते हैं ।

निःशुल्क आँखों की जांच

निःशुल्क आँखों का ऑपरेशन

आयुष्मान भारत के मरीजों के लिए

फोलडेबल लैन्स बिना टाँके, फेको एवं दूरबीन द्वारा

निःशुल्क सुविधा रात्रि ठहरने की

बाकी मरीजों के लिए न्यूनतम खर्च में

Rajil Gupta 33/11

cl for eye checkup.  
NOMT, DM

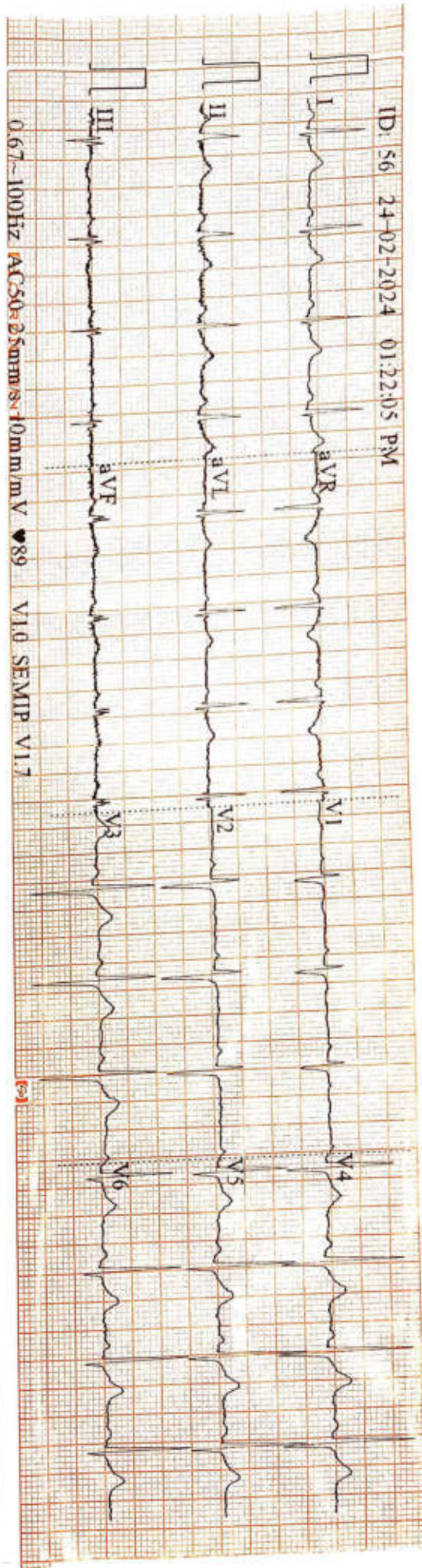
6/9  
6/9

Sanjay

दिनांक 26/2/24

ID: 56 24-02-2024 01:22:05 PM

0.67-100Hz AC50±25mm/s-10mm/mV ♣89 V10 SEMIP V1.7



ID: 56

Male  
33 Years  
cm

kg

mmHg

Diagnosis Information:

Sinus Rhythm

\*\*\*Normal ECG\*\*\*

HR : 90 bpm  
P : 94 ms  
PR : 131 ms  
QRS : 76 ms  
QT/QTc : 338/415 ms  
PORS/ST : 45/30/31 °  
RV5/SV1 : 1.325/0.456 mV

Report Confirmed by:

**DR. SONAL DHINGRA**  
MB.B.S., M.D.



Lab Ref. No. : 234028174	C. NO: 13	Centre Name : SDA Diagnostics
Name : Mr. KAPIL GUPTA		Collection Time : 24-Feb-2024 11:04AM
Age/ Gender : 33Y / Male		Receiving Time : 24-Feb-2024 11:04AM
Referred By : Dr. SELF		Reporting Time : 24-Feb-2024 12:18PM
Sample By :		

Test Name	Results	Units	Biological Ref-Interval
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### HAEMATOLOGY

#### COMPLETE BLOOD COUNT

HAEMOGLOBIN (Colorimetry)	16.10	g/dl	12-16.5
TOTAL LEUCOCYTE COUNT (Electric Impedence)	6600.00	/Cum m	4000-11000
DIFFERENTIAL LEUCOCYTE COUNT (Microscopy)			
Neutrophils	60.00	%	44-68
Lymphocytes	34.00	%	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	%	
<b>Absolute Count</b>			
Neutrophils Count (calculated)	3960.00	/cumm	2000-7000
Lymphocytes Count (calculated)	2244.00	/cumm	1000-3000
Eosinophils Count (calculated)	198.00	/cumm	40-440
Monocytes Count (calculated)	<b>198.00</b>	/cumm	200-1000
Basophils Count (calculated)	0.00	/cumm	0-30
TOTAL R.B.C. COUNT (Electric Impedence)	5.06	10 <sup>6</sup> /uL	3.50-5.50
Haematocrit Value (P.C.V.) (Calculated)	47.50	%	37.0-54.0
MCV (Calculated)	94.00	fL	76-98
MCH	31.80	pg	27-32



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M.D. Pathology

**Dr. Swati Tiwari**  
M.D. Microbiology

**Dr. Sonal Dhingra Anand**  
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(Calculated)			
MCHC	33.80	g/dl	31-35
(Calculated)			
RDW-CV	<b>15.70</b>	%	11.5 - 14.5
(Calculated)			
Platelet Count	215	Thousand/cumm	150-450
(Electric Impedence)			
MPV	<b>9.20</b>	fL	11.5-14.5
(Calculated)			
PDW	17.00	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)** 5.00 % 4.5-6.0  
ESTIMATED AVERAGE GLUCOSE 96.8 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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Referred By : Dr. SELF                      Reporting Time : 25-Feb-2024 9:58AM  
Sample By :

Test Name	Results	Units	Biological Ref-Interval
<b>BIOCHEMISTRY</b>			
<b>BLOOD GLUCOSE FASTING</b> (GOD/POD method)	87.00	mg/dl	70 - 110
<b>BLOOD GLUCOSE P.P.</b> (GOD/POD method) After 2.0 hrs of meal	117.00	mg/dl	70-140



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Test Name	Results	Units	Biological Ref-Interval
<b>LIVER PROFILE</b>			
<b>SERUM BILIRUBIN</b>			
TOTAL (Diazo)	0.98	mg/dl	0.30-1.20
DIRECT (Diazo)	<b>0.35</b>	mg/dl	0.00-0.20
INDIRECT (Calculated)	0.63	mg/dl	0.20-1.00
S.G.P.T. (IFCC method)	40.00	U/L	0-45
S.G.O.T. (IFCC method)	28.00	U/L	0-45
SERUM ALKALINE PHOSPHATASE (4-nitrophenylphosphate to 2-amino-2-methyl-1propan	<b>155.00</b>	IU/L.	35-145
<b>SERUM PROTEINS</b>			
TOTAL PROTEINS (Biuret)	6.70	Gm/dL.	6.0-8.0
ALBUMIN (Bromocresol green Dye)	3.90	Gm/dL.	3.5-5.2
GLOBULIN (Calculated)	2.80	Gm/dL.	2.5-3.5
A : G RATIO (Calculated)	<b>1.39</b>		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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Test Name	Results	Units	Biological Ref-Interval
<b>RENAL PROFILE</b>			
BLOOD UREA (Urease Glutamate dehydrogenase)	26.0	mg/dl	10-50
SERUM CREATININE (Jaffe`s)	0.80	mg/dL.	0.6-1.2
SERUM URIC ACID (Urease method)	4.2	mg/dL.	3.5-7.5
SERUM SODIUM (Na) (ISE Direct)	143.0	mmol/l	135 - 155
SERUM POTASSIUM (K) (ISE Direct)	4.00	mmol/l	3.5 - 5.5
SERUM CALCIUM (Arsenazo)	9.2	mg/dl	8.5-10.1
<b>SERUM PROTEIN</b>			
TOTAL PROTEINS (Biuret)	6.70	Gm/dL.	6.0-8.0
SERUM ALBUMIN (Bromocresol green Dye)	3.90	Gm/dL.	3.5-5.2
GLOBULIN (Calculated)	2.80	Gm/dL.	2.5-3.5
A : G RATIO (Calculated)	<b>1.39</b>	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
<b>LIPID PROFILE</b>			
SERUM CHOLESTEROL (CHOD - PAP)	170.0	mg/dl	125-200
SERUM TRIGLYCERIDE (GPO-PAP)	119.0	mg/dl	50-150
HDL CHOLESTEROL (Direct Method)	43.0	mg/dl	30-80
VLDL CHOLESTEROL (Calculated)	23.8	mg/dl	5-35
LDL CHOLESTEROL (Calculated)	103.2	mg/dL.	70-130
LDL/HDL RATIO (Calculated)	2.4		0.0-4.9
CHOL/HDL CHOLESTROL RATIO (Calculated)	<b>4.0</b>		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

#### THYRIOD PROFILE

Triiodothyronine (T3) (FIA)	1.05	ng/dl	0.52-1.85
Thyroxine (T4) (FIA)	8.10	ug/dl	4.8-11.6
THYROID STIMULATING HORMONE (TSH) (FIA)	2.59	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)
----------------------------	------------------------------

First trimester	0.24 - 2.00
Second trimester	0.43-2.2
Third trimester	0.8-2.5



*Sonal Dhingra*

**Dr. Bhavna Sharma**  
M.D. Pathology

**Dr. Swati Tiwari**  
M.D. Microbiology

**Dr. Sonal Dhingra Anand**  
M.D. Pathology

- Test Values may vary with different lab standards, methods, kits used and other physiological & biological factors.
- The clinico pathological lab tests involve Man-Machine-Computer interface with slight chances of inadvertent discrepancy and should be immediately discussed & alleviated.
- Report purports for patients care and not for medical legal documents.



Lab Ref. No. : 234028174	C. NO: 13	Centre Name : SDA Diagnostics
Name : Mr. KAPIL GUPTA		Collection Time : 24-Feb-2024 11:04AM
Age/ Gender : 33Y / Male		Receiving Time : 24-Feb-2024 11:04AM
Referred By : Dr. SELF		Reporting Time : 25-Feb-2024 10:00AM
Sample By :		

Test Name	Results	Units	Biological Ref-Interval
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### CLINICAL PATHOLOGY

#### URINE EXAMINATION REPORT

##### PHYSICAL EXAMINATION

VOLUME (visual)	25	ml	
COLOUR (visual)	PALE YELLOW		
APPEARANCE (visual)	Clear		
pH	6.00		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			



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



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