

**DEPARTMENT OF LABORATORY MEDICINE**

Final Report

Patient Name : Ms Ravina Kumari MRN : 17530000233224 Gender/Age : FEMALE , 29y (31/10/1993)

Collected On : 11/03/2023 09:42 AM Received On : 11/03/2023 10:08 AM Reported On : 11/03/2023 12:02 PM

Barcode : RB2303110006 Specimen : Whole Blood Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 6203694563

**BLOOD BANK**

Test	Result	Unit
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**BLOOD GROUP & RH TYPING**

Blood Group	"AB"	-
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RH Typing	Positive	-
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--End of Report--



Dr. Mohit Pradhan  
MBBS, MD Pathology  
Consultant Pathologist

**Note**

- Abnormal results are highlighted.
- Results relate to the sample only.
- Kindly correlate clinically.



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Collected On : 11/03/2023 09:42 AM Received On : 11/03/2023 10:08 AM Reported On : 11/03/2023 11:48 AM

Barcode : R42303110021 Specimen : Whole Blood Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 6203694563

**HAEMATOLOGY**

Test	Result	Unit	Biological Reference Interval
<b>COMPLETE BLOOD COUNT (CBC)</b>			
Haemoglobin (Hb%) (Photometric Measurement)	12.10	g/dL	12.0-15.0
Red Blood Cell Count (Electrical Impedance)	4.32	million/ $\mu$ L	3.8-4.8
PCV (Packed Cell Volume) / Hematocrit (Calculated)	36.1	%	36.0-46.0
MCV (Mean Corpuscular Volume) (Derived)	83.5	fL	80.0-100.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	28.0	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	33.5	%	31.5-34.5
Red Cell Distribution Width (RDW) (Derived)	<b>14.3 H</b>	%	11.6-14.0
Platelet Count (Electrical Impedance Plus Microscopy)	188	Thousand / $\mu$ L	150.0-450.0
Mean Platelet Volume (MPV)	<b>13.49 H</b>	fL	7.0-11.7
Total Leucocyte Count(WBC) (Electrical Impedance)	6.47	Thousand / $\mu$ L	4.0-10.0
<b>DIFFERENTIAL COUNT (DC)</b>			
Neutrophils (VCS Technology Plus Microscopy)	60	%	35.0-66.0
Lymphocytes (VCS Technology Plus Microscopy)	32	%	24.0-44.0
Monocytes (VCS Technology Plus Microscopy)	<b>01 L</b>	%	3.0-6.0
Eosinophils (VCS Technology Plus Microscopy)	<b>07 H</b>	%	0.0-3.0

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Basophils (VCS Technology Plus Microscopy)	00	%	0.0-1.0
Absolute Neutrophil Count	3.88	-	-
Absolute Lymphocyte Count	2.07	-	-
Absolute Monocyte Count	0.06	-	-
Absolute Eosinophil Count	0.45	-	-
Absolute Basophil Count	0.02	-	-

As per the recommendation of International Council for Standardization in Hematology, the differential counts are additionally being reported as absolute numbers.

--End of Report--



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ID: 17530000233224  
Name: MS RAVINA KUMARI  
Age: 29 Years  
Gender: Female

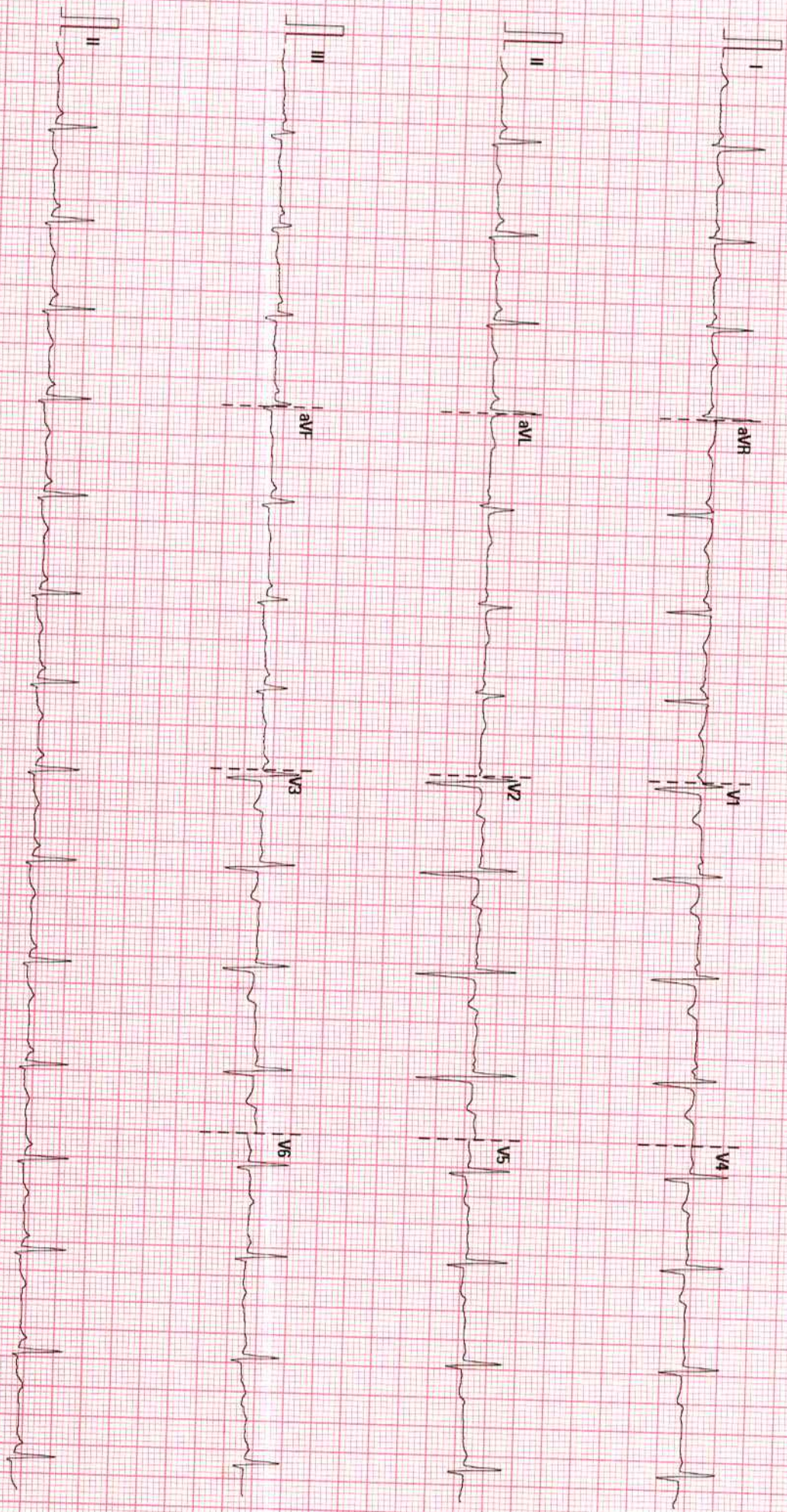
2023-03-11 11:50:56

Vent. Rate  
PR Interval  
QRS Duration  
QT/QTc Interval  
P/QRST Axes  
DTC:Hodges

91 bpm  
116 ms  
78 ms  
334/388 ms  
58/32/5 deg

Sinus rhythm  
Widespread ST-T abnormality is borderline for age and gender  
Borderline ECG

Unconfirmed Diagnosis



25 mm/s

10 mm/mV

50 Hz

BDR 35 Hz

BNH - JAMSHEDPUR

02.07.00/V28 4.1

SN.FN-83011126



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Collected On : 11/03/2023 09:42 AM Received On : 11/03/2023 10:08 AM Reported On : 11/03/2023 11:48 AM

Barcode : R42303110022 Specimen : Whole Blood - ESR Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 6203694563

**HAEMATOLOGY**

Test	Result	Unit	Biological Reference Interval
<b>Erythrocyte Sedimentation Rate (ESR)</b> (Westergren Method)	07	mm/hr	0.0-12.0

--End of Report--



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Collected On : 11/03/2023 09:42 AM Received On : 11/03/2023 11:04 AM Reported On : 11/03/2023 11:55 AM

Barcode : R12303110041 Specimen : Plasma Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 6203694563

**BIOCHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>Fasting Blood Sugar (FBS)</b> (Hexokinase)	82	mg/dL	Normal: 70-99 Pre Diabetes: 100-125 Diabetes: => 126 (ADA Recommendation 2017)

--End of Report--



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Collected On : 11/03/2023 09:42 AM Received On : 11/03/2023 10:08 AM Reported On : 11/03/2023 11:51 AM

Barcode : R12303110043 Specimen : Whole Blood Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 6203694563

**BIOCHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>HBA1C</b>			
HbA1c (HPLC NGSP Certified)	4.2	%	Normal: 4.0-5.6 Pre Diabetes: 5.7-6.4 Diabetes: => 6.5 ADA Recommendation 2017
Estimated Average Glucose	73.84	%	-

**Interpretation:**

- HbA1C above 6.5% can be used to diagnose diabetes provided the patient has symptoms. If the patient does not have symptoms with HbA1C>6.5%, repeat measurement on further sample. If the repeat test result is <6.5%, consider as diabetes high risk and repeat measurement after 6 months.
- HbA1C measurement is not appropriate in diagnosing diabetes in children, suspicion of type 1 diabetes, symptoms of diabetes for less than 2 months, pregnancy, hemoglobinopathies, medications that may result sudden increase in glucose, anemia, renal failure, HIV infection, malignancies, severe chronic hepatic, and renal disease.
- Any sample with >15% should be suspected of having a haemoglobin variant.

--End of Report--



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Patient Name : Ms Ravina Kumari MRN : 17530000233224 Gender/Age : FEMALE , 29y (31/10/1993)

Collected On : 11/03/2023 12:52 PM Received On : 11/03/2023 02:06 PM Reported On : 11/03/2023 03:14 PM

Barcode : R12303110093 Specimen : Plasma Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 6203694563

**BIOCHEMISTRY**

Test	Result	Unit	Biological Reference Interval
Post Prandial Blood Sugar (PPBS) (Hexokinase)	84	mg/dL	Normal: 70-139 Pre Diabetes: 140-199 Diabetes: => 200 ADA standards 2017

--End of Report--



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Collected On : 11/03/2023 09:42 AM Received On : 11/03/2023 11:04 AM Reported On : 11/03/2023 11:57 AM

Barcode : R12303110042 Specimen : Serum Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 6203694563

**BIOCHEMISTRY**

Test	Result	Unit	Biological Reference Interval
<b>LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)</b>			
Cholesterol Total (Cholesterol Oxidase/Peroxidase)	156	mg/dL	Desirable: < 200 Borderline: 200-239 High: > 240
Triglycerides (LPL/GK)	69	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Dextran Sulphate/ PEG Cholesterol Esterase)	<b>68 H</b>	mg/dL	40.0-60.0
Non-HDL Cholesterol	88	-	-
LDL Cholesterol (Enzymatic Method (cholesterol Oxidase, Esterase, Peroxidase))	74	mg/dL	Optimal: < 100 Near Optimal: 100-129 Borderline: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	13.8	mg/dL	<40.0
Cholesterol /HDL Ratio (Calculated)	2.3	-	<4.5
<b>LIVER FUNCTION TEST(LFT)</b>			
Bilirubin Total (Caffeine Benzoate)	0.47	mg/dL	0.2-1.0
Conjugated Bilirubin (Direct) (Diazotised Sulphanilic Acid)	0.16	mg/dL	0.0-0.2
Unconjugated Bilirubin (Indirect)	0.32	mg/dL	0.0-1.1
Total Protein (Colorimetric - Biuret Method)	7.71	gm/dL	6.4-8.2
Serum Albumin (Bromocresol Purple Dye Binding)	4.45	gm/dL	3.4-5.0
Serum Globulin (Calculated)	3.3	gm/dL	2.0-3.5

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Albumin To Globulin (A/G)Ratio (Calculated)	1.4	-	1.0-2.1
SGOT (AST) (UV With Pyridoxal-5-phosphate)	30	U/L	15.0-37.0
SGPT (ALT) (UV With Pyridoxal-5-phosphate)	56	U/L	14.0-59.0
Alkaline Phosphatase (ALP) (AMP Buffer)	<b>121 H</b>	U/L	46.0-116.0
Gamma Glutamyl Transferase (GGT) (GCNA)	<b>67 H</b>	U/L	5.0-55.0

**RENAL PACKAGE - 2 (RFT FASTING)**

Fasting Blood Sugar (FBS) (Hexokinase)	81	mg/dL	Normal: 70-99 Pre Diabetes: 100-125 Diabetes: => 126 (ADA Recommendation 2017)
Blood Urea Nitrogen (BUN) (Urease, UV)	10.98	mg/dL	7.0-20.0

**SERUM CREATININE**

Serum Creatinine (Jaffe's Kinetic IDMS)	<b>0.54 L</b>	mg/dL	0.6-1.1
eGFR (Calculated)	133.5	mL/min/1.73m <sup>2</sup>	Inductive of Renal Impairment:<60 Note:eGFR is inaccurate for Hemodynamically unstable patients. eGFR is not applicable for less than 18 years of age .
Serum Sodium (Indirect IMT)	139.42	mmol/L	136.0-145.0
Serum Potassium (Indirect IMT)	4.52	mmol/L	3.5-5.0
Serum Chloride (Indirect IMT)	105.49	mmol/L	98.0-107.0
Serum Bicarbonate Level (Enzymatic Method)	23	mmol/L	21.0-32.0
Serum Calcium (Cresol Complex)	9.29	mg/dL	8.5-10.1
Serum Magnesium (Methyl Thymol Blue Dye Binding)	2.08	mg/dL	1.8-2.4
Serum Uric Acid (Uricase, UV)	4.9	mg/dL	2.6-6.0
Serum Phosphorus (Phosphomolybdate Reduction)	3.8	mg/dL	2.6-4.7

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Collected On : 11/03/2023 09:42 AM Received On : 11/03/2023 11:04 AM Reported On : 11/03/2023 12:05 PM

Barcode : R22303110008 Specimen : Serum Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 6203694563

SEROLOGY

Test	Result	Unit	Biological Reference Interval
<b>THYROID PROFILE (T3, T4, TSH)</b>			
Tri Iodo Thyronine (T3) (Chemiluminescence)	2.53	nmol/L	1.49-2.6
Thyroxine (T4) (Chemiluminescence)	9.90	ug/dl	4.5-12.0
TSH (Thyroid Stimulating Hormone) (Chemiluminescence)	4.164	μIU/mL	0.49-4.67

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Collected On : 11/03/2023 12:52 PM Received On : 11/03/2023 01:49 PM Reported On : 11/03/2023 03:02 PM

Barcode : R72303110021 Specimen : Urine Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 6203694563

**CLINICAL PATHOLOGY**

Test	Result	Unit
Urine For Sugar (Post Prandial)	nil	-

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Collected On : 11/03/2023 09:42 AM Received On : 11/03/2023 10:37 AM Reported On : 11/03/2023 11:59 AM

Barcode : R72303110010 Specimen : Urine Consultant : Dr. Santosh Gupta(CARDIOLOGY - ADULT)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 6203694563

**CLINICAL PATHOLOGY**

Test	Result	Unit	Biological Reference Interval
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**URINE ROUTINE & MICROSCOPY**

**PHYSICAL EXAMINATION**

Volume	30	ml	-
Colour	Straw	-	-
Appearance	Slight Hazy	-	-

**CHEMICAL EXAMINATION**

pH(Reaction) (pH Indicator Method)	6.0	-	4.8-7.5
Sp. Gravity (Automated)	1.025	-	1.002-1.03
Protein (Error Of Indicators)	Present (trace)	-	-
Urine Glucose (Enzyme Method (GOD POD))	Nil	-	-
Ketone Bodies (Rothers's Principle)	Nil	-	-
Bile Salts (Diazo Reaction)	Nil	-	-
Bile Pigment (Bilirubin) (Diazo Reaction)	Nil	-	-
Urobilinogen (Modified Ehrlich's Reaction)	Nil	-	-
Urine Leucocyte Esterase (Esterase Reaction With Pyrrole Compound)	Nil	-	-
Blood Urine (Peroxidase Reaction)	Nil	-	-
Nitrite (Reaction With Diazonium Compound)	Ni	-	-





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### MICROSCOPIC EXAMINATION

Pus Cells	4-5/hpf	-	-
RBC	Nil	-	-
Epithelial Cells	8-10/hpf	/hpf	2-3/hpf
Crystals	Nil	-	-
Casts	Nil	-	-
Bacteria	Present	-	-
Yeast Cells	Nil	-	-
Others	Sediment Present	-	-
<b>Urine For Sugar (Fasting)</b>	nil	-	-

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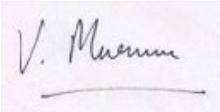


<b>Patient Name</b>	Ravina Kumari	<b>Requested By</b>	Dr. Santosh Gupta
<b>MRN</b>	17530000233224	<b>Procedure DateTime</b>	2023-03-11 14:12:10
<b>Age/Sex</b>	29Y 4M / Female	<b>Hospital</b>	NH Jamshedpur

**X-RAY CHEST (PA VIEW)**

No parenchymal lesion seen in lung fields.  
CP angles are clear.  
Cardiac shadow is within normal limit.  
Visualized bones & soft tissue appears normal.

**IMPRESSION: Normal study.**



**Dr Violet Murmu MD.**  
Sr.Consultant Radiologist

This is a digitally signed valid document. Reported Date/Time: 2023-03-11 14:23:35

<b>Patient Name</b>	Ravina Kumari	<b>Requested By</b>	Dr. Santosh Gupta
<b>MRN</b>	17530000233224	<b>Procedure DateTime</b>	2023-03-11 12:38:39
<b>Age/Sex</b>	29Y 4M / Female	<b>Hospital</b>	NH Jamshedpur

### **USG WHOLE ABDOMEN**

LIVER -

Size: Mildly enlarged, 15.1 cm in cranio-caudal length.

Echotexture: Homogenously increased Grade-I, no focal lesion seen.

IHBD: Nil

Portal vein: Normal in caliber.

GB: Partially distended (post prandial status).

CBD: Normal in caliber.

PANCREAS: Normal in size & echotexture.

SPLEEN: Normal in size (10 cm) & echotexture.

KIDNEYS:-

Right kidney:

Size: Normal, 10.1 cm in bipolar length.

Echotexture: Cortical echogenicity is normal, CMD is maintained.

Left kidney:

Size: Normal, 11.1 cm in bipolar length.

Echotexture: Cortical echogenicity is normal, CMD is maintained.

No hydronephrosis or calculus seen on either side.

URINARY BLADDER: Empty.

UTERUS: Anteverted, normal in size (7.9 cm in bipolar length). Endometrium is central & normal in thickness (8.8 mm). Myometrium is homogenous. Cervix is normal in thickness (26 mm).


OVARIES: Normal in size & echotexture



FREE FLUID: Nil

\*Visualized bowel loops appear normal, no significant lymphadenopathy seen.

**IMPRESSION:** Mild hepatomegaly with Grade-I fatty change.



**Dr Shashi Bhushan Kumar**  
Consultant Radiologist

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