

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Ms Kumari Anamika MRN : 2001000096170 Gender/Age : FEMALE , 34y (15/08/1989)

Collected On : 23/09/2023 10:56 AM Received On : 23/09/2023 12:53 PM Reported On : 23/09/2023 01:52 PM

Barcode : 212309230022 Specimen : Whole Blood - ESR Consultant : Dr. Prabhakar Hegde(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9008991126

HAEMATOLOGY LAB

Test	Result	Unit	Biological Reference Interval
Erythrocyte Sedimentation Rate (ESR)	10	mm/1hr	0.0-19.0

--End of Report--

Dr. Seema Sivasankaran
MD, DNB
CONSULTANT PATHOLOGIST

Note

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



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Patient Name : Ms Kumari Anamika MRN : 2001000096170 Gender/Age : FEMALE , 34y (15/08/1989)

Collected On : 23/09/2023 10:57 AM Received On : 23/09/2023 12:53 PM Reported On : 23/09/2023 01:28 PM

Barcode : 202309230042 Specimen : Plasma Consultant : Dr. Prabhakar Hegde(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9008991126

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Fasting Blood Sugar (FBS) (Hexokinase)	86	mg/dL	ADA standards 2020 =>126 : Diabetes 70 to 99 : Normal 100 to 125 : Pre-diabetes

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Collected On : 23/09/2023 10:56 AM Received On : 23/09/2023 12:53 PM Reported On : 23/09/2023 01:11 PM

Barcode : 212309230024 Specimen : Whole Blood Consultant : Dr. Prabhakar Hegde(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9008991126

LAB - BLOOD BANK

Test	Result	Unit
BLOOD GROUP & RH TYPING		
Blood Group	B	-
RH Typing	Positive	-

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Collected On : 23/09/2023 10:56 AM Received On : 23/09/2023 12:53 PM Reported On : 23/09/2023 01:55 PM

Barcode : 202309230038 Specimen : Serum Consultant : Dr. Prabhakar Hegde(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9008991126

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
SERUM CREATININE			
Serum Creatinine (Enzymatic Method (hydrolase, Oxidase, Peroxidase))	0.53	mg/dL	0.52-1.04
eGFR (Calculated)	132.1	mL/min/1.73m2	Indicative of renal impairment : < 60 Note:eGFR is inaccurate for Hemodynamically unstable patients eGFR is not applicable for less than 18 years of age.
Blood Urea Nitrogen (BUN) (Enzymatic Method (uricase))	6.63 L	mg/dL	7.0-17.0
Serum Uric Acid (Uricase, UV)	5.3	mg/dL	2.5-6.2
LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)			
Cholesterol Total (Enzymatic Method (cholesterol Oxidase, Esterase, Peroxidase))	147	mg/dL	Both: Desirable: < 200 Both: Borderline High: 200-239 Both: High: > 240
Triglycerides (Enzymatic Method)	190 H	mg/dL	Both: Normal: < 150 Both: Borderline: 150-199 Both: High: 200-499 Both: Very High: > 500
HDL Cholesterol (HDLC) (Direct Method)	32 L	mg/dL	40.0-60.0
Non-HDL Cholesterol	115	mg/dL	Desirable: < 130 Above Desirable: 130-159 Borderline High: 160-189 High: 190-219 Very High: => 220
LDL Cholesterol (Direct Method)	78.32	mg/dL	Both: Optimal: < 100 Both: Near to above optimal: 100-129 Both: Borderline High: 130-159 Both: High: 160-189 Both: Very High: > 190
VLDL Cholesterol (Calculated)	38	mg/dL	0.0-40.0

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Cholesterol /HDL Ratio (Calculated)	4.6	-	0.0-5.0
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THYROID PROFILE (T3, T4, TSH)

Tri Iodo Thyronine (T3) (Chemiluminescence Immuno Assay (CLIA))	1.38	ng/mL	0.6-1.8
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Thyroxine (T4) (Chemiluminescence Immuno Assay (CLIA))	10.8	µg/dl	3.2-12.6
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TSH (Thyroid Stimulating Hormone) (Chemiluminescence Immuno Assay (CLIA))	1.158	µIU/mL	> 18 Year(s) : 0.4 - 4.049 > 18 Year(s) : Pregnancy 1st Trimester: 0.129-3.120 > 18 Year(s) : 2nd Trimester : 0.274-2.652 > 18 Year(s) : 3rd Trimester : 0.312-2.947
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LIVER FUNCTION TEST(LFT)

Bilirubin Total (Diazo Method)	0.53	mg/dL	0.2-1.3
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Conjugated Bilirubin (Direct) (Modified Diazo Method)	0.2	mg/dL	0.0-0.3
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Unconjugated Bilirubin (Indirect) (Dual Wavelength - Reflectance Spectrophotometry)	0.33	mg/dL	0.0-1.1
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Total Protein (Biuret Method)	7.5	g/dL	6.3-8.2
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Serum Albumin (PCP Dye Binding Method)	4.4	gm/dL	3.5-5.0
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Serum Globulin (Calculated)	3.1	gm/dL	2.0-3.5
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Albumin To Globulin (A/G)Ratio (Calculated)	1.42	-	1.0-2.1
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SGOT (AST) (UV With P5P)	30	U/L	14.0-36.0
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SGPT (ALT) (UV With P5P)	42 H	U/L	<35.0
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Alkaline Phosphatase (ALP) (PNPP With AMP Buffer)	88	U/L	38.0-126.0
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Gamma Glutamyl Transferase (GGT) (Enzymatic (Gamma Glutamyl Carboxynitrilide))	41	U/L	12.0-43.0
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Patient Name : Ms Kumari Anamika MRN : 2001000096170 Gender/Age : FEMALE , 34y (15/08/1989)

Collected On : 23/09/2023 01:24 PM Received On : 23/09/2023 02:47 PM Reported On : 23/09/2023 03:15 PM

Barcode : 202309230056 Specimen : Plasma Consultant : Dr. Prabhakar Hegde(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9008991126

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Post Prandial Blood Sugar (PPBS) (Glucose Oxidase, Peroxidase)	109	mg/dL	ADA standards 2020 =>200 : Diabetes 70 to 139 : Normal 140 to 199 : Pre-diabetes

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Collected On : 23/09/2023 10:56 AM Received On : 23/09/2023 12:53 PM Reported On : 23/09/2023 01:50 PM

Barcode : 222309230014 Specimen : Urine Consultant : Dr. Prabhakar Hegde(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9008991126

CLINICAL PATHOLOGY

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

Volume	30	ml	-
Colour	Pale Yellow	-	-
Appearance	Slightly Turbid	-	-

CHEMICAL EXAMINATION

pH(Reaction)	6.5	-	4.8-7.5
Sp. Gravity	1.010	-	-
Protein	Negative	-	Negative
Urine Glucose	Negative	-	Negative
Ketone Bodies	Negative	-	Negative
Bile Salts	Negative	-	Negative
Bile Pigment (Bilirubin)	Negative	-	Negative
Urobilinogen	Normal	-	Normal
Blood Urine	Present +++	-	Negative

MICROSCOPIC EXAMINATION

Pus Cells	1-2/hpf	-	0-2 / hpf
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RBC	Plenty/hpf	-	Nil
Epithelial Cells	3-4/hpf	-	-
Crystals	Not Seen	-	-
Casts	Not Seen	-	-
Urine For Sugar (Fasting) (Semiquantitative Strip Method)	NEGATIVE	-	-

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Collected On : 23/09/2023 10:56 AM Received On : 23/09/2023 12:53 PM Reported On : 23/09/2023 01:25 PM

Barcode : 212309230023 Specimen : Whole Blood Consultant : Dr. Prabhakar Hegde(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9008991126

HAEMATOLOGY LAB

Test	Result	Unit	Biological Reference Interval
COMPLETE BLOOD COUNT (CBC)			
Haemoglobin (Hb%) (Oxymethemoglobin Method)	11.6 L	g/dL	12.0-15.0
Red Blood Cell Count (Coulter Principle/Electrical Impedence)	3.97	Million/ul	3.8-5.8
PCV (Packed Cell Volume) / Hematocrit (Calculated)	36.4	%	36.0-46.0
MCV (Mean Corpuscular Volume) (Derived From RBC Histogram)	92	fL	83.0-101.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	29.3	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	31.9	g/L	31.5-34.5
Red Cell Distribution Width (RDW) (Derived)	14.9 H	%	11.6-14.0
Platelet Count (Coulter Principle/Electrical Impedence)	351	Thous/ μ L	150.0-450.0
Total Leucocyte Count(WBC) (Coulter Principle /Electrical Impedence)	9.1	Thous/cumm	4.0-10.0
DIFFERENTIAL COUNT (DC)			
Neutrophils	60.9	%	35.0-66.0
Lymphocytes	31.3	%	20.0-40.0
Monocytes	4.9	%	2.0-10.0
Eosinophils	2.9	%	1.0-6.0

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Basophils	0.0	%	0.0-1.0
Absolute Neutrophil Count	5.55	-	2.0-7.0
Absolute Lymphocyte Count	2.85	-	1.0-3.0
Absolute Monocyte Count	0.45	-	0.2-1.0
Absolute Eosinophil Count	0.27	-	0.02-0.5

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Collected On : 23/09/2023 10:56 AM Received On : 23/09/2023 12:53 PM Reported On : 23/09/2023 01:29 PM

Barcode : 202309230037 Specimen : Whole Blood Consultant : Dr. Prabhakar Hegde(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9008991126

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
HBA1C			
HbA1c	5.2	%	Normal: 4.0-5.6 Prediabetes: 5.7-6.40 Diabetes: => 6.5 ADA standards: = 2020
Estimated Average Glucose	102.54	%	-

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.

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