

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mr NAGARAJA R MRN : 20100000015650 Gender/Age : MALE , 42y (28/09/1980)

Collected On : 11/03/2023 08:09 AM Received On : 11/03/2023 02:10 PM Reported On : 11/03/2023 03:01 PM

Barcode : 022303110353 Specimen : Whole Blood Consultant : Dr. Sharma Vasant Kumar(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7022450596

HEMATOLOGY

Test	Result	Unit	Biological Reference Interval
COMPLETE BLOOD COUNT (CBC)			
Haemoglobin (Hb%) (Photometric Measurement)	16.5	g/dL	13.0-17.0
Red Blood Cell Count (Electrical Impedance)	6.00 H	million/ μ L	4.5-5.5
PCV (Packed Cell Volume) / Hematocrit (Calculated)	50.2 H	%	40.0-50.0
MCV (Mean Corpuscular Volume) (Derived)	83.8	fL	83.0-101.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	27.6	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	32.9	%	31.5-34.5
Red Cell Distribution Width (RDW) (Derived)	13.7	%	11.6-14.0
Platelet Count (Electrical Impedance Plus Microscopy)	244	10^3 / μ L	150.0-450.0
Total Leucocyte Count(WBC) (Electrical Impedance)	5.9	10^3 / μ L	4.0-10.0
DIFFERENTIAL COUNT (DC)			
Neutrophils (VCS Technology Plus Microscopy)	44.9	%	40.0-75.0
Lymphocytes (VCS Technology Plus Microscopy)	44.1 H	%	20.0-40.0
Monocytes (VCS Technology Plus Microscopy)	8.8	%	2.0-10.0
Eosinophils (VCS Technology Plus Microscopy)	2.2	%	1.0-6.0
Basophils (VCS Technology Plus Microscopy)	0.0	%	0.0-2.0

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Absolute Neutrophil Count (Calculated)	2.65	$\times 10^3$ cells/ μ l	2.0-7.0
Absolute Lymphocyte Count (Calculated)	2.61	$\times 10^3$ cells/ μ l	1.0-3.0
Absolute Monocyte Count (Calculated)	0.52	$\times 10^3$ cells/ μ l	0.2-1.0
Absolute Eosinophil Count (Calculated)	0.13	$\times 10^3$ cells/ μ l	0.02-0.5

Interpretation Notes

- Haemoglobin , RBC Count and PCV: If below reference range, indicates Anemia. Further evaluation is suggested .
RBC Indices aid in typing of anemia.
- WBC Count: If below reference range, susceptibility to infection.
If above reference range- Infection*
If very high in lakhs-Leukemia
- Neutrophils -If above reference range-acute infection, mostly bacterial
- Lymphocytes -If above reference range-chronic infection/ viral infection
- Monocytes -If above reference range- TB,Typhoid,UTI
- Eosinophils -If above reference range -Allergy,cough,Common cold,Asthma & worms
- Basophils - If above reference range, Leukemia, allergy
- Platelets: If below reference range- bleeding disorder, Dengue, drug- induced, malignancies
- * In bacterial infection with fever total WBC count increases.
- Eg Tonsillitis,Sinusitis,Bronchitis,Pneumonia,Appendicitis,UTI -12000-25000 cells/cumm.
- In typhoid and viral fever WBC may be normal.
- DISCLAIMER:**All the laboratory findings should mandatorily interpreted in correlation with clinical findings by a medical expert.

--End of Report-

Hema S

Dr. Hema S
MD, DNB, Pathology
Associate Consultant

Note

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



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Collected On : 11/03/2023 08:09 AM Received On : 11/03/2023 12:17 PM Reported On : 11/03/2023 01:54 PM

Barcode : 022303110352 Specimen : Whole Blood - ESR Consultant : Dr. Sharma Vasant Kumar(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7022450596

HEMATOLOGY

Test	Result	Unit	Biological Reference Interval
Erythrocyte Sedimentation Rate (ESR) (Westergren Method)	05	mm/1hr	0.0-10.0

Interpretation Notes

- ESR high - Infections, chronic disorders,, plasma cell dyscrasias.

DISCLAIMER:All the laboratory findings should mandatorily interpreted in correlation with clinical findings by a medical expert

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Patient Name : Mr NAGARAJA R MRN : 20100000015650 Gender/Age : MALE , 42y (28/09/1980)

Collected On : 11/03/2023 08:09 AM Received On : 11/03/2023 12:19 PM Reported On : 11/03/2023 01:34 PM

Barcode : 1B2303110012 Specimen : Whole Blood Consultant : Dr. Sharma Vasant Kumar(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7022450596

NARAYANA HRUDAYALAYA BLOOD CENTRE

Test	Result	Unit
BLOOD GROUP & RH TYPING		
Blood Group (Column Agglutination Technology)	A	-
RH Typing (Column Agglutination Technology)	Positive	-

--End of Report--

Dr. Prathip Kumar B R
MBBS,MD, Immunohaematology & Blood Transfusion
Consultant

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Collected On : 11/03/2023 08:09 AM Received On : 11/03/2023 12:17 PM Reported On : 11/03/2023 02:02 PM

Barcode : 012303110567 Specimen : Plasma Consultant : Dr. Sharma Vasant Kumar(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7022450596

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Fasting Blood Sugar (FBS) (Colorimetric - Glucose Oxidase Peroxidase)	201 H	mg/dL	70 to 99 : Normal 100 to 125 : Pre-diabetes =>126 : Diabetes ADA standards 2020

--End of Report--

Mrs. Latha B S
MSc, Mphil, Biochemistry
Incharge, Consultant Biochemistry

Dr. Anushre Prasad
MBBS,MD, Biochemistry
Consultant Biochemistry

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MC-2688



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Patient Name : Mr NAGARAJA R MRN : 20100000015650 Gender/Age : MALE , 42y (28/09/1980)

Collected On : 11/03/2023 11:11 AM Received On : 11/03/2023 02:12 PM Reported On : 11/03/2023 03:24 PM

Barcode : 012303111388 Specimen : Plasma Consultant : Dr. Sharma Vasant Kumar(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7022450596

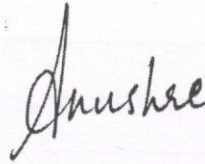
BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Post Prandial Blood Sugar (PPBS) (Colorimetric - Glucose Oxidase Peroxidase)	316 H	mg/dL	70 to 139 : Normal 140 to 199 : Pre-diabetes =>200 : Diabetes ADA standards 2020

--End of Report--



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Incharge, Consultant Biochemistry



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Collected On : 11/03/2023 08:09 AM Received On : 11/03/2023 12:17 PM Reported On : 11/03/2023 01:37 PM

Barcode : 012303110569 Specimen : Whole Blood Consultant : Dr. Sharma Vasant Kumar(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7022450596

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
HBA1C			
HbA1c (HPLC NGSP Certified)	11.4 H	%	Normal: 4.0-5.6 Prediabetes: 5.7-6.4 Diabetes: => 6.5 ADA standards 2020
Estimated Average Glucose (Calculated)	280.48	-	-

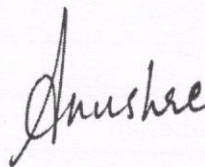
Interpretation:

- 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 : Mr NAGARAJA R MRN : 20100000015650 Gender/Age : MALE , 42y (28/09/1980)

Collected On : 11/03/2023 08:09 AM Received On : 11/03/2023 12:18 PM Reported On : 11/03/2023 05:27 PM

Barcode : 012303110568 Specimen : Serum Consultant : Dr. Sharma Vasant Kumar(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7022450596

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
SERUM CREATININE			
Serum Creatinine (Two Point Rate - Creatinine Aminohydrolase)	0.72	mg/dL	0.66-1.25
eGFR (Calculated)	119.8	mL/min/1.73m ²	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) (Endpoint /Colorimetric - Urease)	11	mg/dL	9.0-20.0
Serum Uric Acid (Colorimetric - Uricase,Peroxidase)	3.8	mg/dL	3.5-8.5
LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)			
Cholesterol Total (Colorimetric - Cholesterol Oxidase)	236 H	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
Triglycerides (Colorimetric - Lip/Glycerol Kinase)	211 H	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Colorimetric: Non HDL Precipitation Phosphotungstic Acid Method)	42	mg/dL	40.0-60.0
Non-HDL Cholesterol (Calculated)	194.0 H	mg/dL	Desirable: < 130 Above Desirable: 130-159 Borderline High: 160-189 High: 190-219 Very High: => 220
LDL Cholesterol (Colorimetric)	158	mg/dL	Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	42.2 H	mg/dL	0.0-40.0

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Cholesterol /HDL Ratio (Calculated)	5.7 H	-	0.0-5.0
Prostate Specific Antigen (PSA) (Enhanced Chemiluminescence)	0.385	ng/mL	0.0-2.5
THYROID PROFILE (T3, T4, TSH)			
Tri Iodo Thyronine (T3) (Enhanced Chemiluminescence)	1.44	ng/mL	0.97-1.69
Thyroxine (T4) (Enhanced Chemiluminescence)	8.85	µg/dl	5.53-11.0
TSH (Thyroid Stimulating Hormone) (Enhanced Chemiluminescence)	2.027	µIU/mL	0.4-4.049
LIVER FUNCTION TEST(LFT)			
Bilirubin Total (Colorimetric -Diazo Method)	0.60	mg/dL	0.2-1.3
Conjugated Bilirubin (Direct) (Dual Wavelength - Reflectance Spectrophotometry)	0.10	mg/dL	0.0-0.3
Unconjugated Bilirubin (Indirect) (Calculated)	0.5	mg/dL	0.0-1.1
Total Protein (Colorimetric - Biuret Method)	8.70 H	gm/dL	6.3-8.2
Serum Albumin (Colorimetric - Bromo-Cresol Green)	4.70	gm/dL	3.5-5.0
Serum Globulin (Calculated)	4.0 H	gm/dL	2.0-3.5
Albumin To Globulin (A/G)Ratio (Calculated)	1.18	-	1.0-2.1
SGOT (AST) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	42	U/L	17.0-59.0
SGPT (ALT) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	58 H	U/L	<50.0
Alkaline Phosphatase (ALP) (Multipoint-Rate - P-nitro Phenyl Phosphate, AMP Buffer)	73	U/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (Multipoint Rate - L-glutamyl-p-nitroanilide (Szasz Method))	46	U/L	15.0-73.0

Interpretation Notes

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Collected On : 11/03/2023 08:09 AM Received On : 11/03/2023 12:10 PM Reported On : 11/03/2023 12:45 PM

Barcode : 032303110065 Specimen : Urine Consultant : Dr. Sharma Vasant Kumar(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7022450596

CLINICAL PATHOLOGY

Test	Result	Unit
Urine For Sugar (Fasting) (Enzyme Method (GOD POD))	Present++++	-

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Barcode : 032303110065 Specimen : Urine Consultant : Dr. Sharma Vasant Kumar(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7022450596

CLINICAL PATHOLOGY

Test	Result	Unit	Biological Reference Interval
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URINE ROUTINE & MICROSCOPY

PHYSICAL EXAMINATION

Colour	Yellow	-	-
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Appearance	Clear	-	-
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CHEMICAL EXAMINATION

pH(Reaction) (pH Indicator Method)	5.0	-	4.5-7.5
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Sp. Gravity (Refractive Index)	1.032	-	1.002 - 1.030
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Protein (Automated Protein Error Or Ph Indicator)	Trace	-	Not Present
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Urine Glucose (Enzyme Method (GOD POD))	Present +++	-	Not Present
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Ketone Bodies (Nitroprusside Method)	Not Present	-	Not Present
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Bile Salts (Azo Coupling Method)	Not Present	-	Not Present
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Bile Pigment (Bilirubin) (Azo Coupling Method)	Not Present	-	Not Present
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Urobilinogen (Azo Coupling Method)	Normal	-	Normal
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Urine Leucocyte Esterase (Measurement Of Leukocyte Esterase Activity)	Not Present	-	Not Present
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Blood Urine (Peroxidase Reaction)	Not Present	-	Not Present
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Nitrite (Gries Method)	Not Present	-	Not Present
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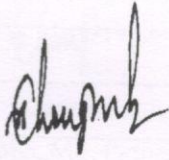
MICROSCOPIC EXAMINATION

Pus Cells	0.3	/hpf	0-5
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RBC	0.1	/hpf	0-4
Epithelial Cells	0.1	/hpf	0-6
Crystals	0.0	/hpf	0-2
Casts	0.04	/hpf	0-1
Bacteria	1.6	/hpf	0-200
Yeast Cells	0.1	/hpf	0-1
Mucus	Not Present	-	Not Present

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Dr. Sudarshan Chougule
MBBS, MD, Pathology
Consultant & Head - Hematology & Flow Cytometry

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Collected On : 11/03/2023 11:11 AM Received On : 11/03/2023 02:01 PM Reported On : 11/03/2023 02:26 PM

Barcode : 032303110254 Specimen : Urine Consultant : Dr. Sharma Vasant Kumar(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 7022450596

CLINICAL PATHOLOGY

Test

Result Unit

Urine For Sugar (Post Prandial) (Enzyme
Method (GOD POD))

Present +++ -

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