

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mr H S DHRUVA MRN : 20100000014386 Gender/Age : MALE , 32y (15/12/1990)

Collected On : 25/02/2023 08:36 AM Received On : 25/02/2023 11:56 AM Reported On : 25/02/2023 12:26 PM

Barcode : 022302250422 Specimen : Whole Blood Consultant : Dr. Sharma Vasant Kumar(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 7829815496

HEMATOLOGY

Test	Result	Unit	Biological Reference Interval
COMPLETE BLOOD COUNT (CBC)			
Haemoglobin (Hb%) (Photometric Measurement)	13.7	g/dL	13.0-17.0
Red Blood Cell Count (Electrical Impedance)	4.79	million/ μ l	4.5-5.5
PCV (Packed Cell Volume) / Hematocrit (Calculated)	41.6	%	40.0-50.0
MCV (Mean Corpuscular Volume) (Derived)	86.8	fL	83.0-101.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	28.6	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	33.0	%	31.5-34.5
Red Cell Distribution Width (RDW) (Derived)	12.8	%	11.6-14.0
Platelet Count (Electrical Impedance Plus Microscopy)	369	$10^3/\mu$ L	150.0-450.0
Total Leucocyte Count(WBC) (Electrical Impedance)	13.0 H	$10^3/\mu$ L	4.0-10.0
DIFFERENTIAL COUNT (DC)			
Neutrophils (VCS Technology Plus Microscopy)	47.2	%	40.0-75.0
Lymphocytes (VCS Technology Plus Microscopy)	38.4	%	20.0-40.0
Monocytes (VCS Technology Plus Microscopy)	8.2	%	2.0-10.0
Eosinophils (VCS Technology Plus Microscopy)	5.5	%	1.0-6.0
Basophils (VCS Technology Plus Microscopy)	0.7	%	0.0-2.0

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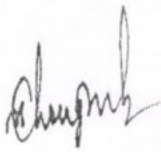
Absolute Neutrophil Count (Calculated)	6.14	$\times 10^3$ cells/ μ l	2.0-7.0
Absolute Lymphocyte Count (Calculated)	5.0 H	$\times 10^3$ cells/ μ l	1.0-3.0
Absolute Monocyte Count (Calculated)	1.07 H	$\times 10^3$ cells/ μ l	0.2-1.0
Absolute Eosinophil Count (Calculated)	0.72 H	$\times 10^3$ cells/ μ l	0.02-0.5
Absolute Basophil Count (Calculated)	0.1	-	-

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

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--



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

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Collected On : 25/02/2023 08:36 AM Received On : 25/02/2023 11:56 AM Reported On : 25/02/2023 02:07 PM

Barcode : 022302250423 Specimen : Whole Blood - ESR Consultant : Dr. Sharma Vasant Kumar(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 7829815496

HEMATOLOGY

Test	Result	Unit	Biological Reference Interval
Erythrocyte Sedimentation Rate (ESR) (Westergren Method)	5	mm/1hr	0.0-10.0

Interpretation Notes

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

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Note

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



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Patient Name : Mr H S DHRUVA MRN : 20100000014386 Gender/Age : MALE , 32y (15/12/1990)

Collected On : 25/02/2023 08:36 AM Received On : 25/02/2023 12:08 PM Reported On : 25/02/2023 01:50 PM


Barcode : 1B2302250014 Specimen : Whole Blood Consultant : Dr. Sharma Vasant Kumar(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 7829815496

NARAYANA HRUDAYALAYA BLOOD CENTRE

Test	Result	Unit
BLOOD GROUP & RH TYPING		
Blood Group (Column Agglutination Technology)	O	-
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 : 25/02/2023 08:36 AM Received On : 25/02/2023 11:57 AM Reported On : 25/02/2023 12:19 PM

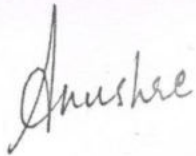
Barcode : 012302250695 Specimen : Plasma Consultant : Dr. Sharma Vasant Kumar(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 7829815496

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Fasting Blood Sugar (FBS) (Colorimetric - Glucose Oxidase Peroxidase)	123 H	mg/dL	70 to 99 : Normal 100 to 125 : Pre-diabetes =>126 : Diabetes ADA standards 2020

--End of Report--



Dr. Anushre Prasad
MBBS,MD, Biochemistry
Consultant Biochemistry



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

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- (Fasting Blood Sugar (FBS) -> Auto Authorized)



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Patient Name : Mr H S DHRUVA MRN : 20100000014386 Gender/Age : MALE , 32y (15/12/1990)

Collected On : 25/02/2023 10:46 AM Received On : 25/02/2023 11:49 AM Reported On : 25/02/2023 12:41 PM

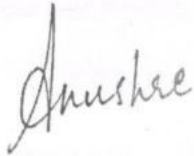
Barcode : 012302251191 Specimen : Plasma Consultant : Dr. Sharma Vasant Kumar(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 7829815496

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Post Prandial Blood Sugar (PPBS) (Colorimetric - Glucose Oxidase Peroxidase)	181 H	mg/dL	70 to 139 : Normal 140 to 199 : Pre-diabetes =>200 : Diabetes ADA standards 2020

--End of Report--



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MBBS,MD, Biochemistry
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 - * Kindly correlate clinically.
- (Post Prandial Blood Sugar (PPBS) -> Auto Authorized)



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Collected On : 25/02/2023 08:36 AM Received On : 25/02/2023 11:56 AM Reported On : 25/02/2023 01:30 PM

Barcode : 012302250696 Specimen : Whole Blood Consultant : Dr. Sharma Vasant Kumar(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 7829815496

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
HBA1C			
HbA1c (HPLC NGSP Certified)	5.8 H	%	Normal: 4.0-5.6 Prediabetes: 5.7-6.4 Diabetes: => 6.5 ADA standards 2020
Estimated Average Glucose (Calculated)	119.76	-	-

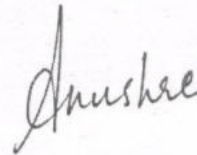
Interpretation:

- 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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MC-2688



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Collected On : 25/02/2023 08:36 AM Received On : 25/02/2023 11:57 AM Reported On : 25/02/2023 03:08 PM

Barcode : 012302250697 Specimen : Serum Consultant : Dr. Sharma Vasant Kumar(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 7829815496

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
SERUM CREATININE			
Serum Creatinine (Two Point Rate - Creatinine Aminohydrolase)	0.94	mg/dL	0.66-1.25
eGFR (Calculated)	93.1	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)	14	mg/dL	9.0-20.0
Serum Uric Acid (Colorimetric - Uricase,Peroxidase)	7.2	mg/dL	3.5-8.5
LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)			
Cholesterol Total (Colorimetric - Cholesterol Oxidase)	160	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
Triglycerides (Colorimetric - Lip/Glycerol Kinase)	165 H	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLc) (Colorimetric: Non HDL Precipitation Phosphotungstic Acid Method)	37 L	mg/dL	40.0-60.0
Non-HDL Cholesterol (Calculated)	123.0	mg/dL	Desirable: < 130 Above Desirable: 130-159 Borderline High: 160-189 High: 190-219 Very High: => 220
LDL Cholesterol (Colorimetric)	101 L	mg/dL	Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	33.0	mg/dL	0.0-40.0

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Cholesterol /HDL Ratio (Calculated) 4.4 - 0.0-5.0

LIVER FUNCTION TEST(LFT)

Bilirubin Total (Colorimetric -Diazo Method) 0.40 mg/dL 0.2-1.3

Conjugated Bilirubin (Direct) (Dual Wavelength - Reflectance Spectrophotometry) 0.10 mg/dL 0.0-0.4

Unconjugated Bilirubin (Indirect) (Calculated) 0.31 mg/dL 0.0-1.1

Total Protein (Colorimetric - Biuret Method) 7.90 gm/dL 6.3-8.2

Serum Albumin (Colorimetric - Bromo-Cresol Green) 4.50 gm/dL 3.5-5.0

Serum Globulin (Calculated) 3.41 gm/dL 2.0-3.5

Albumin To Globulin (A/G)Ratio (Calculated) 1.32 - 1.0-2.1

SGOT (AST) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate)) 40 U/L 17.0-59.0

SGPT (ALT) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate)) 56 H U/L <50.0

Alkaline Phosphatase (ALP) (Multipoint-Rate - P-nitro Phenyl Phosphate, AMP Buffer) 104 U/L 38.0-126.0

Gamma Glutamyl Transferase (GGT) (Multipoint Rate - L-glutamyl-p-nitroanilide (Szasz Method)) 43 U/L 15.0-73.0

Interpretation Notes

- Indirect Bilirubin result is a calculated parameter (Indirect Bilirubin = Total Bilirubin - Direct Bilirubin). Indirect bilirubin result includes the delta bilirubin fraction also. Delta Bilirubin is the bilirubin which is covalently bound to albumin. Delta Bilirubin is not expected to be present in healthy adults or neonates.

THYROID PROFILE (T3, T4, TSH)

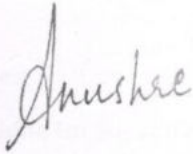
Tri Iodo Thyronine (T3) (Enhanced Chemiluminescence) 1.91 H ng/mL 0.97-1.69

Thyroxine (T4) (Enhanced Chemiluminescence) 10.6 µg/dl 5.53-11.0

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TSH (Thyroid Stimulating Hormone) (Enhanced 2.465 μ IU/mL 0.4-4.049
Chemiluminescence)

--End of Report--



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(Lipid Profile, -> Auto Authorized)
(CR, -> Auto Authorized)
(LFT, -> Auto Authorized)
(Uric Acid, -> Auto Authorized)
(Blood Urea Nitrogen (Bun) -> Auto Authorized)



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Collected On : 25/02/2023 08:36 AM Received On : 25/02/2023 11:46 AM Reported On : 25/02/2023 12:14 PM

Barcode : 032302250101 Specimen : Urine Consultant : Dr. Sharma Vasant Kumar(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 7829815496

CLINICAL PATHOLOGY

Test	Result	Unit
Urine For Sugar (Fasting) (Enzyme Method (GOD POD))	Not Present	-

--End of Report--



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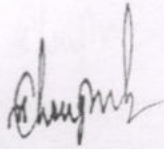
Barcode : 032302250101 Specimen : Urine Consultant : Dr. Sharma Vasant Kumar(GENERAL MEDICINE)

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Test	CLINICAL PATHOLOGY		
	Result	Unit	Biological Reference Interval
URINE ROUTINE & MICROSCOPY			
PHYSICAL EXAMINATION			
Colour	STRAW	-	-
Appearance	Clear	-	-
CHEMICAL EXAMINATION			
pH(Reaction) (pH Indicator Method)	5.5	-	4.5-7.5
Sp. Gravity (Refractive Index)	1.018	-	1.002 - 1.030
Protein (Automated Protein Error Or Ph Indicator)	Not Present	-	Not Present
Urine Glucose (Enzyme Method (GOD POD))	Not Present	-	Not Present
Ketone Bodies (Nitroprusside Method)	Not Present	-	Not Present
Bile Salts (Azo Coupling Method)	Not Present	-	Not Present
Bile Pigment (Bilirubin) (Azo Coupling Method)	Not Present	-	Not Present
Urobilinogen (Azo Coupling Method)	Normal	-	Normal
Urine Leucocyte Esterase (Measurement Of Leukocyte Esterase Activity)	Not Present	-	Not Present
Blood Urine (Peroxidase Reaction)	Not Present	-	Not Present
Nitrite (Gries Method)	Not Present	-	Not Present
MICROSCOPIC EXAMINATION			
Pus Cells	0.4	/hpf	0-5

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RBC	0.2	/hpf	0-4
Epithelial Cells	0.2	/hpf	0-6
Crystals	0.0	/hpf	0-2
Casts	0.04	/hpf	0-1
Bacteria	1.4	/hpf	0-200
Yeast Cells	0.0	/hpf	0-1
Mucus	Not Present	-	Not Present

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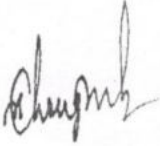
Barcode : 032302250214 Specimen : Urine Consultant : Dr. Sharma Vasant Kumar(GENERAL MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-002 Patient Mobile No : 7829815496

CLINICAL PATHOLOGY

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

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