

No.361, Mall Road Amritsar, Lawrence Road, Amritsar, Punjab-143 001





LABORATORY REPORT

PATIENT INFORMATION

MR HARINDAM VISHWAS S.O GURU DAS

VISHWAS.

AGE : 43Y 0M 0D

GENDER : Male

PRIORITY : Routine **REFERRED BY**

DR. GENERAL MEDICAL OFFICER

LAB MR# : AMCT00022636

HMIS MR# : AM-2-76379 Ward / Room/ Bed No.

SPECIMEN INFORMATION

SAMPLE TYPE : Whole Blood -

EDTA

LAB ORDER NO : VMCT23020132 **COLLECTED ON** : 23/Mar/2023 11:29

: 23/Mar/2023 11:58 **RECEIVED ON**

REPORT STATUS : Final Report

APPROVED ON : 23/Mar/2023 12:41



HAEMATOLOGY

Test Name (Methodology) Result Flag **Units Biological Reference Interval**

Mediwheel Full Body Health Checkup Male

Complete Blood Counts

(Automated Hematology Analyzer & Microscopy)

Total Leukocyte Count	7.5		10³/µI	4.0 - 11.0
RBC Count	5.4		10^6/µL	4.5 - 5.5
Hemoglobin	15.5		g/dL	13.0 - 17.0
Hematocrit	46.8		%	40 - 50
MCV(Mean Corpuscular Volume)	87.3		fL	83 - 101
MCH(Mean Corpuscular Hemoglobin)	29.0		pg	27 - 32
MCHC(Mean Corpuscular Hemoglobin Concentration)	33.2		g/dL	31.5 - 34.5
RDW	13.4		%	11.6 - 14
Platelet Count	174		10³/µI	150 - 410
Platelets cross checked manually	and confirmed.			
MPV	12.5	Н	fL	7.5 - 11.5
Differential Counts % (VCSN)				
Neutrophils	71.0		%	40-80%
Lymphocytes	20.0		%	20-40%
Monocytes	7.0		%	2-10%
Eosinophils	2.0		%	1-6%
Basophils	0.0		%	0-1%
Differential Counts, Absolute				
Absolute Neutrophil Count	5.33		10³/µI	2.0-7.0
Absolute Lymphocyte Count	1.50		10³/µI	1.0-3.0
Absolute Monocyte Count	0.53		10³/µl	0.2 - 1.0
Absolute Eosinophil Count (AEC)	0.15		10³/µI	0.02-0.5
Absolute Basophil Count	0.00		10³/µI	0.02 - 0.1

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_ _ _ _

SPECIMEN INFORMATION

SAMPLE TYPE : WB/Plasma-

Citrate(3.2%/3.8%)

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HAEMATOLOGY

Test Name (Methodology) Result Flag Units Biological Reference Interval

Mediwheel Full Body Health Checkup Male

Erythrocyte Sedimentation Rate (ESR)

Westergren's Method(Manual)

Westergrens Method (Modified Westergren`s)

10

mm/h

0 - 10

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SPECIMEN INFORMATION

LAB ORDER NO

REPORT STATUS

SAMPLE TYPE : Urine

: VMCT23020132 **COLLECTED ON** : 23/Mar/2023 11:29

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APPROVED ON : 23/Mar/2023 12:42

Negative

: Final Report



CLINICAL PATHOLOGY

Test Name (Methodology) Result Flag **Units Biological Reference Interval**

Mediwheel Full Body Health Checkup Male

Urine Examination - Routine & Microscopy (CUE)

PHYSICAL EXAMINATION:

Volume 25.00 mL

PALE YELLOW Pale Colour Appearance Clear Clear

CHEMICAL EXAMINATION:

4.8 - 7.4 7.00 pН

(Dip stick) Specific Gravity 1.005 L 1.010 - 1.022

(Dip Stick(Bromothymol blue))

NEGATIVE Protein (Dip Stick/ Sulfosalicylic acid)

Glucose **NEGATIVE** Negative

(Dip Stick /Benedicts test)

Ketones **NEGATIVE** Negative (Dip stick)

NEGATIVE Normal Urobilinogen

(Dip Stick / Ehrlich reaction) **NEGATIVE Nitrite** Negative

(Dip Stick / (Griess test))

Bilirubin **NEGATIVE** Negative

(Dipstick/diazo)

NEGATIVE Blood Negative

(Dip Stick (Peroxidase))

MICROSCOPIC EXAMINATION:

Pus Cells 0 - 1 /HPF 0 - 10**Epithelial Cells** NIL /HPF < 20 **RBCs** NIL /HPF 0 - 5 Absent /LPF Absent Casts Crystals Absent /HPF Absent

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Test Name (Methodology) Result Flag Units Biological Reference Interval

Mediwheel Full Body Health Checkup Male

Blood Grouping and Typing (ABO and Rh) - Tube agglutination

Tube agglutination(Forward & Reverse Grouping)

ABO GROUP

В

Rh Type

D Positive

Interpretation:

- 1. If Rh is Du positive it is best considered as D negative as recipient and D positive as donor. However repeat evaluation is recommended for confirmation. Proper Cross matching is recommended before transfusion.
- 2. In case of forward and reverse grouping discrepancy, clinical correlation and repeat sample analysis is recommended.
- 3. For Infants below 6 months only forward grouping is performed.
- 4. A sub-grouping is recommended after the age of 6 months.

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SPECIMEN INFORMATION

SAMPLE TYPE

PE : Fluoride Plasma

- F

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RECEIVED ON : 23/Mar/2023 12:26

REPORT STATUS : Final Report

APPROVED ON : 23/Mar/2023 12:51



BIOCHEMISTRY

Test Name (Methodology) Result Flag Units Biological Reference Interval

Mediwheel Full Body Health Checkup Male

Glucose - Fasting

Glucose - Fasting (Hexokinase)

104.0

Н

mg/dL

Normal: 74-100 Pre-diabetic: 100-125 Diabetic: >=126

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SPECIMEN INFORMATION

REPORT STATUS

SAMPLE TYPE : Urine

: VMCT23020132 LAB ORDER NO **COLLECTED ON** : 23/Mar/2023 11:29

RECEIVED ON : 23/Mar/2023 12:57

APPROVED ON : 23/Mar/2023 15:10

: Final Report



BIOCHEMISTRY

Test Name (Methodology) Result Flag Units **Biological Reference Interval**

Mediwheel Full Body Health Checkup Male

Glucose-Urine

Glucose-Urine Negative

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SPECIMEN INFORMATION

SAMPLE TYPE : Whole Blood -

EDTA

: 23/Mar/2023 11:29

LAB ORDER NO : VMCT23020132 **COLLECTED ON**

: 23/Mar/2023 12:56 **RECEIVED ON**

REPORT STATUS : Final Report

APPROVED ON : 23/Mar/2023 13:59



BIOCHEMISTRY

Test Name (Methodology) Result Flag **Units Biological Reference Interval**

Mediwheel Full Body Health Checkup Male

HbA1c - Glycated Hemoglobin

Glycated Hemoglobin, HbA1c

(TINIA)

5.40

%

Non diabetic range: 4.8-5.6%

Prediabetic range: 5.7-6.4% Diabetes range: >=6.5%

Estimated Average Glucose 108.3 mg/dL

Interpretation:

Note: HbA1c results may vary in situations of abnormal red cell turnover, such as pregnancy, recent blood loss or transfusion, or some anemias. In such cases only blood glucose criteria should be used to diagnose diabetes (ADA, 2014). Please correlate clinically.

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SPECIMEN INFORMATION

SAMPLE TYPE : Serum

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BIOCHEMISTRY

Test Name (Methodology)	Result	Flag Units	Biological Reference Interval
Mediwheel Full Body Health Checkup	o Male		
T3 - Total (Tri lodothyronine) (ECLIA)	130.7	ng/dL	80.00 - 200.00
T4 - Total (Thyroxine - Total) (ECLIA)	8.00	μg/dL	5.1-14.1
TSH, Thyroid Stimulating Hormone	3.000	μIU/mL	0.27 - 4.21

Interpretation:

(ECLIA)

The following potential sources of variation should be considered while interpreting thyroid hormone results:

- 1. Circadian variation in TSH secretion: peak levels are seen between 2-4 am. Minimum levels seen between 6-10 am. This variation may be as much as 50% thus, influence of sampling time needs to be considered for clinical interpretation.
- 2. Total T3 and T4 levels are seen to have physiological rise during pregnancy and in patients on steroid treatment

- 3. Circulating forms of T3 and T4 are mostly reversibly bound with Thyroxine binding globulins (TBG), and to a lesser extent with albumin and Thyroid binding Pre-Albumin. Thus the conditions in which TBG and protein levels alter such as chronic liver disorders, pregnancy, excess of estrogens, androgens, anabolic steroids and glucocorticoids may cause misleading total T3, total T4 and TSH interpretations.
- 4. T4 may be normal in the presence of hyperthyroidism under the following conditions: T3 thyrotoxicosis, Hypoproteinemia related reduced binding, in presence of drugs (eg Phenytoin, Salicylates etc)
- 5. Neonates and infants have higher levels of T4 due to increased concentration of TBG
- 6. TSH levels may be normal in central hypothyroidism, recent rapid correction of hypothyroidism or hyperthyroidism, pregnancy, phenytoin therapy etc.
- 7. TSH values of <0.03 uIU/mL must be clinically correlated to evaluate the presence of a rare TSH variant in certain individuals which is undetected by conventional methods.
- 8. Presence of Autoimmune disorders may lead to spurious results of thyroid hormones
- 9. Various drugs can lead to interference in test results
- It is recommended to evaluate unbound fractions, that is free T3 (fT3) and free T4 (fT4) for clinic-pathologic correlation, as these are the metabolically active forms.

Triglycerides

Triglycerides (Enzymatic colorimetry)	179.0	Н	mg/dL	Normal : <150 Borderline-high : 150–199 High risk : 200–499 Very high risk : >500
Cholesterol Total - Serum				
Cholesterol Total - Serum (Enzymatic colorimetry)	177.0		mg/dL	No risk : <200 Moderate risk : 200-239 High risk : >240
Cholesterol - HDL (Direct)				
Cholesterol - HDL (Direct) (Enzymatic colorimetry)	26.0	L	mg/dL	High Risk : <40 No Risk : >60

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BIOCHEMISTRY

Test Name (Methodology) Result Flag Units Biological Reference Interval

Mediwheel Full Body Health Checkup Male

Cholesterol - LDL

Cholesterol - LDL (Direct) (Enzymatic colorimetry)

117.0

H mg/dL

Optimum:<100

Above optimum :<130 Moderate risk :130-159

High risk :>160





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BIOCHEMISTRY

Test Name (Methodology) Result Flag **Units Biological Reference Interval**

Mediwheel Full Body Health Checkup Male

VLDL (Very Low Density Lipoprotein)

VLDL (Very Low Density Lipoprotein)

Н

mg/dL

<30

(Calculation) LDL/HDL Ratio

LDL/HDL Ratio

4.50

35.8

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BIOCHEMISTRY

Test Name (Methodology) Result Flag Units Biological Reference Interval

Mediwheel Full Body Health Checkup Male

Cholestrol/HDL Ratio

Cho/HDL Ratio

(Calculation)

6.81

Н

Normal : <4.0

: Final Report

Low risk : 4.0-6.0 High risk : >6.0

Uric acid

Uric acid

(Uricase)

5.1

mg/dL

3.4-7

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BIOCHEMISTRY

Test Name (Methodology) Result Flag Units Biological Reference Interval

Mediwheel Full Body Health Checkup Male

BUN/Creatinine Ratio

Blood Urea Nitrogen (BUN) (Calculation)	5.61	L	mg/dL	8.8-20.5
Creatinine	0.90		mg/dL	< 1.20
BUN/Creatinine Ratio (Calculation)	6.23			10:1 to 20:1



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Mediwheel Full Body Health Checkup Male

Protein Total. Serum	Prof	ein	Total.	Serum
----------------------	------	-----	--------	-------

(Bromocresol green)

Protein Total, Serum	7.7	g/dL	6.4-8.3
(Riuret Method)			

Bilirubin (Total, Direct and Indirect)				
Bilirubin Total (Diazo method)	1.20	Н	mg/dL	<1.1
Bilirubin Conjugated (Diazo method)	0.40	Н	mg/dL	<=0.2
Bilirubin Unconjugated, Indirect (Calculation)	0.80		mg/dL	<1.0
Alkaline Phosphatase - ALP				
Alkaline Phosphatase - ALP (IFCC kinetic)	138.0	Н	U/L	<129
Albumin - Serum				
Albumin - Serum	4.7		g/dL	3.5 - 5.2





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BIOCHEMISTRY

Test Name (Methodology)	Result	Flag Units	Biological Reference Interval
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Mediwheel Full Body Health Checkup Male

Globulin

Globulin 3.0 2.3-3.5 g/dL (Calculation)

A/G (Albumin/Globulin) Ratio

A/G (Albumin/Globulin) Ratio 1.6 0.8-2.0

(Calculation)

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BIOCHEMISTRY

Test Name (Methodology) Result Flag Units Biological Reference Interval

Mediwheel Full Body Health Checkup Male

Gamma Glutamyl Transferase (GGT)

Gamma Glutamyl Transferase (GGT) (Enzymatic colorimetric assay)

47.0

U/L

< 71

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BIOCHEMISTRY

Test Name (Methodology) Result Flag Units Biological Reference Interval

Mediwheel Full Body Health Checkup Male

PSA Total (Prostatic Specific Antigen, Total)

PSA Total 0

(ECLIA)

0.40

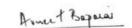
ng/mL

<20

Interpretation:

PSA is a protein produced by prostate gland in males. PSA test is used primarily to screen for prostate cancer.PSA aids in early detection of prostate cancer follow up and management of prostate cancer patient during treatment & after surgery. Elevated levels are seen in benign prostatic hyperplasia, prostatitis, genitourinary infection

---- End Of Report ----



Dr. Avneet Boparai Consultant-Pathologist

Disclaimer:

- 1. All results released pertain to the specimen as received by the lab for testing and under the assumption that the patient indicated or identified on the bill/test requisition form is the owner of the specimen.
- 2. Clinical details and consent forms, especially in Genetic testing, histopathology, as well as wherever applicable, are mandatory to be accompanied with the test requisition form. The non-availability of such information may lead to delay in reporting as well as misinterpretation of test results. The lab will not be responsible for any such delays or misinterpretations thereof
- 3. Test results are dependent on the quality of the sample received by the lab. In case the samples are preprocessed elsewhere (e.g., paraffin blocks), results may be compromised.
- 4. Tests are performed as per the schedule given in the test listing and in any unforeseen circumstances, report delivery may be affected.
- 5. Test results may show inter-laboratory as well as intra-laboratory variations as per the acceptable norms.
- 6. Genetic reports as well as reports of other tests should be correlated with clinical details and other available test reports by a qualified medical practitioner. Genetic counselling is advised in genetic test reports by a qualified genetic counsellor, medical practitioner or both.
- 7. Samples will be discarded post processing after a specified period as per the laboratory's retention policy. Kindly get in touch with the lab for more information.
- 8. If accidental damage, loss, or destruction of the specimen is not attributable to any direct or negligent act or omission on the part of Ampath Labs or its employees, Ampath shall in no event be liable. Ampath lab's liability for a lack of services, or other mistakes and omissions, shall be restricted to the amount of the patient's payment for the pertinent laboratory services.

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