

Name : Mrs. NANDA PATTAR
PID No. : MED121236263
SID No. : 522222899
Age / Sex : 39 Year(s) / Female
Type : OP
Ref. Dr : MediWheel

Register On : 08/08/2022 9:35 AM
Collection On : 08/08/2022 10:44 AM
Report On : 08/08/2022 8:01 PM
Printed On : 17/08/2022 5:55 PM




<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
----------------------	-----------------------	-------------	--------------------------------------


HAEMATOLOGY

Complete Blood Count With - ESR

Haemoglobin (EDTA Blood/Spectrophotometry)	11.9	g/dL	12.5 - 16.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood)	35.7	%	37 - 47
RBC Count (EDTA Blood)	4.01	mill/cu.mm	4.2 - 5.4
Mean Corpuscular Volume(MCV) (EDTA Blood)	89.2	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood)	29.8	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood)	33.4	g/dL	32 - 36
RDW-CV	14.4	%	11.5 - 16.0
RDW-SD	44.96	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood)	5400	cells/cu.mm	4000 - 11000
Neutrophils (Blood)	66.2	%	40 - 75
Lymphocytes (Blood)	27.1	%	20 - 45
Eosinophils (Blood)	1.7	%	01 - 06


Dr Anusha.K.S
Sr.Consultant Pathologist
Reg No : 100674

VERIFIED BY


DR SHAMIM JAVED
MD PATHOLOGY
KMC 88902

APPROVED BY

Name : Mrs. NANDA PATTAR

PID No. : MED121236263

SID No. : 522222899

Age / Sex : 39 Year(s) / Female

Type : OP

Ref. Dr : MediWheel

Register On : 08/08/2022 9:35 AM


Collection On : 08/08/2022 10:44 AM

Report On : 08/08/2022 8:01 PM


Printed On : 17/08/2022 5:55 PM



<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
Monocytes (Blood)	4.4	%	01 - 10
Basophils (Blood)	0.6	%	00 - 02
INTERPRETATION: Tests done on Automated Five Part cell counter. All abnormal results are reviewed and confirmed microscopically.			
Absolute Neutrophil count (EDTA Blood)	3.57	10 ³ / μ l	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood)	1.46	10 ³ / μ l	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood)	0.09	10 ³ / μ l	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood)	0.24	10 ³ / μ l	< 1.0
Absolute Basophil count (EDTA Blood)	0.03	10 ³ / μ l	< 0.2
Platelet Count (EDTA Blood)	245	10 ³ / μ l	150 - 450
MPV (Blood)	7.7	fL	8.0 - 13.3
PCT (Automated Blood cell Counter)	0.19	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citratd Blood)	17	mm/hr	< 20


Dr Anusha.K.S
Sr.Consultant Pathologist
Reg No : 100674

VERIFIED BY


DR SHAMIM JAVED
MD PATHOLOGY
KMC 88902

APPROVED BY

Name : Mrs. NANDA PATTAR
PID No. : MED121236263
SID No. : 522222899
Age / Sex : 39 Year(s) / Female
Type : OP
Ref. Dr : MediWheel

Register On : 08/08/2022 9:35 AM
Collection On : 08/08/2022 10:44 AM
Report On : 08/08/2022 8:01 PM
Printed On : 17/08/2022 5:55 PM




<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
<u>Lipid Profile</u>			
Cholesterol Total (Serum/CHOD-PAP with ATCS)	129.82	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/GPO-PAP with ATCS)	138.17	mg/dL	Optimal: < 150 Borderline: 150 - 199 High: 200 - 499 Very High: >= 500

INTERPRETATION: The reference ranges are based on fasting condition. Triglyceride levels change drastically in response to food, increasing as much as 5 to 10 times the fasting levels, just a few hours after eating. Fasting triglyceride levels show considerable diurnal variation too. There is evidence recommending triglycerides estimation in non-fasting condition for evaluating the risk of heart disease and screening for metabolic syndrome, as non-fasting sample is more representative of the usual circulating level of triglycerides during most part of the day.

HDL Cholesterol (Serum/Immunoinhibition)	29.11	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 50 - 59 High Risk: < 50
LDL Cholesterol (Serum/Calculated)	73.1	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	27.6	mg/dL	< 30


Dr RAVIKUMAR R
MBBS, MD BIOCHEMISTRY
CONSULTANT BIOCHEMIST
Reg No : 78771
VERIFIED BY


DR SHAMIM JAVED
MD PATHOLOGY
KMC 88902

APPROVED BY

Name : Mrs. NANDA PATTAR

PID No. : MED121236263

SID No. : 522222899

Age / Sex : 39 Year(s) / Female

Type : OP

Ref. Dr : MediWheel

Register On : 08/08/2022 9:35 AM

Collection On : 08/08/2022 10:44 AM

Report On : 08/08/2022 8:01 PM

Printed On : 17/08/2022 5:55 PM



<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
Non HDL Cholesterol (Serum/Calculated)	100.7	mg/dL	Optimal: < 130 Above Optimal: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very High: >= 220


INTERPRETATION: 1.Non-HDL Cholesterol is now proven to be a better cardiovascular risk marker than LDL Cholesterol.
2.It is the sum of all potentially atherogenic proteins including LDL, IDL, VLDL and chylomicrons and it is the "new bad cholesterol" and is a co-primary target for cholesterol lowering therapy.

Total Cholesterol/HDL Cholesterol Ratio (Serum/Calculated)	4.5		Optimal: < 3.3 Low Risk: 3.4 - 4.4 Average Risk: 4.5 - 7.1 Moderate Risk: 7.2 - 11.0 High Risk: > 11.0
---	-----	--	--

Triglyceride/HDL Cholesterol Ratio (TG/HDL) (Serum/Calculated)	4.7		Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
--	-----	--	--

LDL/HDL Cholesterol Ratio (Serum/Calculated)	2.5		Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0
---	-----	--	---


Dr RAVIKUMAR R
MBBS, MD BIOCHEMISTRY
CONSULTANT BIOCHEMIST
Reg No : 78771
VERIFIED BY


DR SHAMIM JAVED
MD PATHOLOGY
KMC 88902
APPROVED BY

Name : Mrs. NANDA PATTAR

PID No. : MED121236263

SID No. : 522222899

Age / Sex : 39 Year(s) / Female

Type : OP

Ref. Dr : MediWheel

Register On : 08/08/2022 9:35 AM

Collection On : 08/08/2022 10:44 AM

Report On : 08/08/2022 8:01 PM

Printed On : 17/08/2022 5:55 PM



<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
<u>Glycosylated Haemoglobin (HbA1c)</u>			
HbA1C (Whole Blood/HPLC)	5.21	%	Normal: 4.5 - 5.6 Prediabetes: 5.7 - 6.4 Diabetic: >= 6.5

INTERPRETATION: If Diabetes - Good control : 6.1 - 7.0 % , Fair control : 7.1 - 8.0 % , Poor control >= 8.1 %

Estimated Average Glucose 102.83 mg/dL
(Whole Blood)

INTERPRETATION: Comments


HbA1c provides an index of Average Blood Glucose levels over the past 8 - 12 weeks and is a much better indicator of long term glycaemic control as compared to blood and urinary glucose determinations.

Conditions that prolong RBC life span like Iron deficiency anemia, Vitamin B12 & Folate deficiency, hypertriglyceridemia, hyperbilirubinemia, Drugs, Alcohol, Lead Poisoning, Asplenia can give falsely elevated HbA1C values.

Conditions that shorten RBC survival like acute or chronic blood loss, hemolytic anemia, Hemoglobinopathies, Splenomegaly, Vitamin E ingestion, Pregnancy, End stage Renal disease can cause falsely low HbA1c.



Dr RAVIKUMAR R
MBBS, MD BIOCHEMISTRY
CONSULTANT BIOCHEMIST
Reg No : 78771
VERIFIED BY



DR SHAMIM JAVED
MD PATHOLOGY
KMC 88902
APPROVED BY

Name : Mrs. NANDA PATTAR
PID No. : MED121236263
SID No. : 522222899
Age / Sex : 39 Year(s) / Female
Type : OP
Ref. Dr : MediWheel

Register On : 08/08/2022 9:35 AM
Collection On : 08/08/2022 10:44 AM
Report On : 08/08/2022 8:01 PM
Printed On : 17/08/2022 5:55 PM



<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
----------------------	-----------------------	-------------	--------------------------------------

IMMUNOASSAY

THYROID PROFILE / TFT

T3 (Triiodothyronine) - Total (Serum/ECLIA)	1.11	ng/ml	0.7 - 2.04
--	------	-------	------------

INTERPRETATION:

Comment :

Total T3 variation can be seen in other condition like pregnancy, drugs, nephrosis etc. In such cases, Free T3 is recommended as it is Metabolically active.

T4 (Tyroxine) - Total (Serum/ECLIA)	9.20	µg/dl	4.2 - 12.0
--	------	-------	------------

INTERPRETATION:

Comment :

Total T4 variation can be seen in other condition like pregnancy, drugs, nephrosis etc. In such cases, Free T4 is recommended as it is Metabolically active.

TSH (Thyroid Stimulating Hormone) (Serum/ECLIA)	3.01	µIU/mL	0.35 - 5.50
--	------	--------	-------------

INTERPRETATION:

Reference range for cord blood - upto 20

1 st trimester: 0.1-2.5

2 nd trimester 0.2-3.0

3 rd trimester : 0.3-3.0

(Indian Thyroid Society Guidelines)

Comment :

1.TSH reference range during pregnancy depends on Iodine intake, TPO status, Serum HCG concentration, race, Ethnicity and BMI.

2.TSH Levels are subject to circadian variation, reaching peak levels between 2-4am and at a minimum between 6-10PM.The variation can be of the order of 50%,hence time of the day has influence on the measured serum TSH concentrations.

3.Values&lt;0.03 µIU/mL need to be clinically correlated due to presence of rare TSH variant in some individuals.

DR SHAMIM JAVED
MD PATHOLOGY
KMC 88902
APPROVED BY

Name : Mrs. NANDA PATTAR

PID No. : MED121236263

Register On : 08/08/2022 9:35 AM

SID No. : 522222899

Collection On : 08/08/2022 10:44 AM

Age / Sex : 39 Year(s) / Female

Report On : 08/08/2022 8:01 PM

Type : OP

Printed On : 17/08/2022 5:55 PM

Ref. Dr : MediWheel



Investigation

Observed
Value

Unit

Biological
Reference Interval

IMMUNOHAEMATOLOGY

BLOOD GROUPING AND Rh TYPING
(EDTA Blood/Agglutination)

'A' Positive'

INTERPRETATION:Note: Slide method is screening method. Kindly confirm with Tube method for transfusion.

Dr. Arjun C.P.
MBBS, MD Pathology
Reg No. KMC 89655

VERIFIED BY

DR SHAMIM JAVED
MD PATHOLOGY
KMC 88902

APPROVED BY

Name : Mrs. NANDA PATTAR
PID No. : MED121236263
SID No. : 522222899
Age / Sex : 39 Year(s) / Female
Type : OP
Ref. Dr : MediWheel

Register On : 08/08/2022 9:35 AM
Collection On : 08/08/2022 10:44 AM
Report On : 08/08/2022 8:01 PM
Printed On : 17/08/2022 5:55 PM



<u>Investigation</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
<u>BIOCHEMISTRY</u>			
BUN / Creatinine Ratio	8.88		6.0 - 22.0
Glucose Fasting (FBS) (Plasma - F/GOD-PAP)	86.71	mg/dL	Normal: < 100 Pre Diabetic: 100 - 125 Diabetic: >= 126

INTERPRETATION: Factors such as type, quantity and time of food intake, Physical activity, Psychological stress, and drugs can influence blood glucose level.

Glucose, Fasting (Urine) (Urine - F/GOD - POD)	Negative		Negative
Glucose Postprandial (PPBS) (Plasma - PP/GOD-PAP)	105.33	mg/dL	70 - 140

INTERPRETATION:


Factors such as type, quantity and time of food intake, Physical activity, Psychological stress, and drugs can influence blood glucose level. Fasting blood glucose level may be higher than Postprandial glucose, because of physiological surge in Postprandial Insulin secretion, Insulin resistance, Exercise or Stress, Dawn Phenomenon, Somogyi Phenomenon, Anti-diabetic medication during treatment for Diabetes.

Urine Glucose(PP-2 hours) (Urine - PP)	Negative		Negative
Blood Urea Nitrogen (BUN) (Serum/Urease UV / derived)	5.6	mg/dL	7.0 - 21
Creatinine (Serum/Modified Jaffe)	0.63	mg/dL	0.6 - 1.1

INTERPRETATION: Elevated Creatinine values are encountered in increased muscle mass, severe dehydration, Pre-eclampsia, increased ingestion of cooked meat, consuming Protein/ Creatine supplements, Diabetic Ketoacidosis, prolonged fasting, renal dysfunction and drugs such as cefoxitin ,cefazolin, ACE inhibitors ,angiotensin II receptor antagonists,N-acetylcyteine , chemotherapeutic agent such as flucytosine etc.

Uric Acid (Serum/Enzymatic)	4.82	mg/dL	2.6 - 6.0
--------------------------------	------	-------	-----------


Dr RAVIKUMAR R
MBBS, MD BIOCHEMISTRY
CONSULTANT BIOCHEMIST
Reg No : 78771
VERIFIED BY


DR SHAMIM JAVED
MD PATHOLOGY
KMC 88902
APPROVED BY

Name : Mrs. NANDA PATTAR

PID No. : MED121236263

SID No. : 522222899

Age / Sex : 39 Year(s) / Female

Type : OP

Ref. Dr : MediWheel

Register On : 08/08/2022 9:35 AM

Collection On : 08/08/2022 10:44 AM

Report On : 08/08/2022 8:01 PM

Printed On : 17/08/2022 5:55 PM



-- End of Report --