







: 7359200300

Sample Receiving Date & Time : 25/04/2024 10:37:00AM

: Mediwheel Derabassi

TEST REPORT

UHID: IH/644048/24

Mobile No

Address

Patient Name ID No., Age

Mr. Prateek Agrawal

Booking No. 778502

IH/644048/24, 35 Yr M Doc No: 9

25-04-2024 # 105

Date # SNo Referred by

: INDUS

Category

: Mediwheel (Arcofemi Healthcare Limited)

WHEN AND RESIDENCE AND ADDRESS OF THE PARTY	(a service of Entired)				
Investigation	Value	Units	Ref. Value	Report Date & Time	Prev. Report on
		HAEMAT	OLOGY		
COMPLETE BLOOD COL	JNTS			Specimen:EDTA W	ole Blood
HAEMOGLOBIN (HB) Non Cyanide Method	; 14.1	g/dL	13.0 - 17.0	25/04/2024 11:48	
TOTAL LEUCOCYTE COUNT (TLC)	: 6110	/cmm	4000 - 10000	25/04/2024 11:48	
DIFFERENTIAL LEUCOCYTE COUNT				25/04/2024 11:48	
NEUTROPHIL	: 68	. %	40 - 80	25/04/2024 11:48	
LYMPHOCYTE .	: 23	. %	20 - 40	25/04/2024 11:48	
EOSINOPHIL	: 03	%	01 - 06	25/04/2024 11:48	
MONOCYTE	; 06	%	02 - 10	25/04/2024 11:48	
BASOPHIL	; 00	%	00 - 02	25/04/2024 11:48	
R B C (Red Blood Cells)	: 4.95	Millions/cmm	4.5 - 5.5	25/04/2024 11:48	
PLATELET COUNT	: 2.19	Lakh/cmm	1.5 - 4.1	25/04/2024 11:48	
P.C.V / HAEMATOCRIT	; 41.2	%	40 - 50	25/04/2024 11:48	
M C V	; 83.3	fL	83 - 101	25/04/2024 11:48	
мсн	: 28.6	plcogram	27 - 32	25/04/2024 11:48	
мснс	: 34.3	%	31.5 - 34.5	25/04/2024 11:48	
RDW .	: 13.1	%	11.6 - 14.0	25/04/2024 11:48	

Tests Performed on Automated Five Part Cell Counter. (WBC by Flow cytometry, RBC & Platelet count by Electrical Impedance and other parameters calculated.) All Abnormal Haemograms are reviewed & confirmed.

> Specimen: CITRATE WHOLE **BLOOD**

ERYTHROCYTE SEDIMENTATION RATE Westergren method

mm/hrs.

00 - 14

25/04/2024 11:49

Comments:

INDUS INTERNATIONAL HOSPITAL

Dr. Navjot Kaur (PMC No. 4529

Navjot Raus





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Erythrocyte sedimentation rate (ESR) is a non - specific phenomena and is clinically useful in the diagnosis and monitoring of disorders associated with an increased production of acute phase reactants. The ESR is increased in pregnancy from about the 3rd month and returns to normal by the 4th week post partum. ESR is influenced by age, sex, menstrual cycle and drugs (eg. corticosteroids, contraceptives). It is especially low (0 -1mm) in polycythaemia, hypofibrinogenemia or congestive cardiac failure and when there are abnormalities of the red cells such as poikilocytosis, spherocytosis or sickle cells.

A normal ESR cannot be taken to exclude organic diseases, but nevertheless in the majority of acute and chronic infections, the ESR is raised. ESR increases with age and in men and women over the age of 60 years. An ESR of 30 mm at the end of first hour or more may be present without any obvious causes.

LIPID PROFILE

		LILID LIV	/	
man i or a				Specimen:SERUM
TOTAL CHOLESTEROL (CHOD-PAP)	: 171	mg/dL	< 200	25/04/2024 12:34
TRIGLYCERIDES (GPO METHOD)	: 172.5	mg/dL	< 161	25/04/2024 12:34
H D L CHOLESTEROL	: 41.9	mg %	30 - 65	25/04/2024 12:34
(PEGME) L D L CHOLESTEROL Coloridated	: 94.6	mg %	74 - 130	25/04/2024 12:34
V L D L	; 34.5	mg %	10 - 32	25/04/2024 12:34
Calculated TOTAL CHO / HDL RATIO	; 4.1			25/04/2024 12:34
Calculated LDL / HDL CHOLESTEROL RATIO Calculated	; 2.3		0.00 - 3.55	25/04/2024 12:34
April - Charles - Co.				

TRIGLYCERIDE level > 250mg/dL is associated with an approximately 2-fold greater risk of coronary vascular disease. Elevation of triglycerides can be seen with obesity, medication, fast less than 12hrs., alcohol intake, diabetes mellitus, and pancreatitis.

Normal

: < 161 mg/dl 64 - 100 maldl

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(A unit of Indus Super Speciality Healthcare Pvt. Ltd.)

Dr. Ankush Nayyar (PMC No. 3140

D. Malter



Department of Lab Medicine

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High

: 161 - 199 mg/dl

Hypertriglyceridemic Very high

: 200 - 499 mg/dl : > 499 mg/dl

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CHOLESTEROL, its fractions and triglycerides are the important plasma lipids in defining cardiovascular risk factors and in the management of cardiovascular disease. Highest acceptable and optimum values of cholesterol values of cholesterol vary with age. Values above 220 mg/dl are associated with increased risk of CHD regardless of HDL & LDL values.

HDL-CHOLESTEROL level <35 mg/dL is associated with an increased risk of coronary vascular disease even in the face of desirable levels of cholesterol and LDL - cholesterol.

LDL - CHOLESTEROL& TOTAL CHOLESTEROL levels can be strikingly altered by thyroid, renal and liver disease as well as hereditary factors. Based on total cholesterol, LDL- cholesterol, and total cholesterol/HDL - cholesterol ratio, patients may be divided into the three risk categories.

HORMONE ASSAYS

				Specimen:SERUM
T3, Total Tri Iodothyronine (CLIA)	: 192.1	ng/dL	69 - 215	25/04/2024 15:04
T4, Total Thyroxine (CLIA)	: 8.325	ug/dl	5.2 - 12.7	25/04/2024 15:04
TSH Ultrasenstive	: 1.033	uIU/ML	0.3 - 4.5	25/04/2024 15:04

CLIA

Interpretation:

- 1.An abnormal TSH result should be followed by additional tests to investigate the cause of increase or decrease.
- 2. Many medications like aspirin and thyroid replacement therapy may affect the thyroid gland function results.
- 3. Extreme stress and acute illness may affect TSH results. Results may be low in first trimester of pregnancy.

4.The fo	flowing table summa	arises test results a	nd their potential mea	ning:	
TSH	T4	T3	Interpretation		
High	Normal	Normal	Mild (subclinic	al) hypothyroidism.	
High	Low	Low or Normal	Hypothyroidis		
Low	Normal	Normal	Mild (subclinic	cal) hyperthyroidism	
Low	High or Normal	High or Norr	mal Hyperthy		
Low	Low or Normal	Low or Normal	Non-thyroidal illnes	s.; rare pituitary (se	condary) hypothyroidism.
TSH Ultrase	enstive	: 1.033	uIU/ML	0.3 - 4.5	25/04/2024 15:04

CLIA

Interpretation:

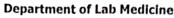
- 1. TSH results between 4.5 to 15 show considerable physiologic & seasonal variation, suggest clinical correlation or repeat testing with fresh sample.
- 2. TSH results between 0.1 to 0.45 require correlation with patient age & clinical symptoms. As with increasing age, there are marked changes in thyroid hormone production, metabolism & its actions resulting in an increased prevalence of subclinical thyroid disease.
- 3. TSH values may be transiently altered because of non-thyroidal illness like severe infections, liver disease, renal and heart failure, severe burns, trauma and surgery etc.
- Druce that decrease TCH values e.m. L. dona. Chicoconticoid Druce that increase TCH values e.m. Todina. Lithium. Amindam

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Dr. Ankush Nayyar (PMC No. 3140

(A unit of Indus Super Speciality Healthcare Pvt. Ltd.) Chandigarh-Ambala Road, National Highway - 22, Derabassi (MOHALI) Punjab (India)-140507 Consultant Patholog 24x7 Indus Information Centre +91 1762 512666 | contact@indushospital.in | www.indushospital.in MBBS, MD (Patholog NOT VALID FOR MEDICO-LEGAL PURPOSES







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4. Drugs that decrease TSH values e.g: L-dopa, Glucocorticoid Drugs that Increase TSH values e.g Iodine, Lithium, Amiodarone.

Note: Patients on Biotin supplement may have interference in some immunoassays. With individuals taking high dose Biotin (more than 5 mg per day) supplements, at least 8-hour wait time before blood draw is recommended.

Ref: Arch Pathol Lab Med-Vol 141, November 2017

	•			Specimen:SERUM
TOTAL BILIRUBIN (DIAZO)	: 0.49	mg/L	0.01 - 1.2	25/04/2024 12:33
CONJUGATED (D. Bilirubin) (DiAZO)	: 0.18	mg %	0.0 - 0.4	25/04/2024 12:33
UNCONJUGATED (I.D.Bilirubin) (CALCULATED)	: 0.31	mg %	0.0 - 0.9	25/04/2024 12:33
AST / SGOT (IFCC, Without pyridoxal phos	; 17.0 phate)	IU/L	0 - 35	25/04/2024 12:33
ALT / SGPT (IFCC, Without pyridoxal phos	: 21.3 phate)	· IU/L	0 - 45	25/04/2024 12:33
ALKALINE PHOSPHATASE (Serum, AMP)	: 100	U/L	53 - 128	25/04/2024 12:33
TOTAL PROTEIN (BIURET)	: 7.55	gm/dl	6.4 - 8.3	25/04/2024 12:33
SERUM ALBUMIN (BCG)	: 4.12	gm/dl	3.50 - 5.2	25/04/2024 12:33
GLOBULIN (CALCULATED)	: 3.43	gm/dl	1.5 - 3.0	25/04/2024 12:33
A/G RATIO	: 1.2			25/04/2024 12:33

Liver function tests (LFT) are used to diagnose and monitor liver disease or damage. Levels that are higher or lower than normal can indicate liver problems. These are a group of tests which are helpful to screen for liver infections; determine how well a treatment is working ormeasure the severity of a

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disease or monitor possible side effects of medications.

RENAL FUNCTION TEST

				Specimen:SERUM
(UREASE-GLDH)	: 18.8	mg /dl	19 - 55	25/04/2024 12:33
SERUM CREATININE Modified Jaffes Method	: 0.94	mg/dL	0.7 - 1.3	25/04/2024 12:33
SERUM URIC ACID (URICASE-POD)	: 6.0	mg/dL	3.5 - 7.2	25/04/2024 12:33

Comments:

Kidney function tests (KFT) are used when a patient has risk factors for kidney dysfunction such as hypertension, diabetes, cardiovascular disease, obesity, elevated cholesterol or a family history of kidney disease. It can also be done when someone has signs and symptoms of kidney disease, though in early stage often no noticeable symptoms are observed. Kidney function test is also useful for general health screening, screening patients at risk of developing kidney disease and management of patients with known kidney disease.

BIOCHEMISTRY

Specimen:Fluoride Plasma

BLOOD GLUCOSE - FASTING : 100.0

mg/dL

74 - 100

25/04/2024 12:34

Interpretation:

(GOD-POD)

American Diabetes Association Guideline(Creiteria for the diagnosis of Diabetes)

FPG >= 126mg/dL (7.0 mmol/L). Fasting is defined as no caloric intake for at least 8 hrs.

2-h PG >= 200 mg/dL (11.1 mmol/L) during OGTT. The test should be performed as described by the WHO, using a glucose load containing the equivalent of 75 g anhydrous glucose dissolved in water.

A1C >= 6.5% (48 mmol/mol). The test should be performed in a laboratory using a method that is NGSP certified and standardized to the DCCT assay.

In a patient with classic symptoms of hyperglycemia or hyperglycemia crisis, a random plasma glucose >=200 mg/dL (11.1 mmol/L).

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In a patient with classic symptoms of hyperglycemia or hyperglycemia crisis, a random plasma glucose >=200 mg/dL (11.1 mmol/L).

DCCT, Diabetes Control and Complications Trial; FPG fasting plasma glucose; OGTT, oral glucose tolerance test; WHO, World Health Organization; 2-h PG, 2-h plasma glucose.

In the absence of unequivocal hyperglycemia, diagnosis requires two abnormal test results from the same sample or in two separate test samples.

BLOOD GLUCOSE'- PP (GOD-POD)

: 112.3

mg/dL

70 - 140

25/04/2024 17:49

BLOOD UREA

18.8

ma /dl

19 - 55

25/04/2024 12:34

(UREASE-GLDH) **SERUM CREATININE**

: 0.94

0.7 - 1.3mg/dL

25/04/2024 12:34

Modified Jaffes Method **BLOOD UREA NITROGEN**

8.8

mg/dl

5.0 - 20.0

25/04/2024 12:34

(BUN)

ERBA EM-200

BUN (Urea) Creatinine Ratio

10 - 20

25/04/2024 12:34

Blood urea nitrogen and creatinine are both metabolites, so they are produced constantly by the body at a fairly steady pace. The difference lies in the way they behave in the nephron, the functional unit of the kidney. Creatinine is usually filtered, secreted directly into the lumen, and does not leave the lumen of the tubule. BUN is filtered and then reabsorbed back in the blood, so, naturally, we would have more BUN in the blood than creatinine. If the BUN creatinine ratio is high, it is usually connected to the low glomerular filtration rate. In this case, both metabolites get filtered poorly due to small flow, but urea (that contains urea nitrogen) leaks out back to the blood which increases the ratio. If the ratio is low, it means that substances just passed the kidney, did not get filtered.

GGT (Gamma Glutamyl

Transferase)

: 18.9

IU/L.

9.00 - 52.00

25/04/2024 12:34

CLINICAL PATHOLOGY

URINE ANALYSIS

Specimen: URINE

VISUAL EXAMINATION

25/04/2024 12:52

COLOUR/APPEARANCE

: Pale yellow/clear

25/04/2024 12:52

CHEMICAL EXAMINATION

25/04/2024 12:52

PROTEIN

: Nil

NIL

25/04/2024 12:52

Error of indicators

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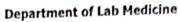
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Navjot kauz

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Investigation	Value	Units	Ref. Value	Report Date & Time	Prev. Report on
SUGAR	; Nil		NIL	25/04/2024 12:52	
Double sequential enzyme REACTION (PH)	reaction : Acidic			25/04/2024 12:52	
Indicator Principle				25/04/2024 12:52	
MICROSCOPIC EXAMINATION		/HPF	0 - 1	25/04/2024 12:52	
PUS CELLS	: 1-2 : 0-1	/HPF	0 - 2	25/04/2024 12:52	
EPITHELIAL CELLS RBC	: nil	/HPF	0 - 0	25/04/2024 12:52	
CRYSTALS -	: Nil		NIL	25/04/2024 12:52 25/04/2024 12:52	
CASTS	: Nil : Nil		NIL NIL	25/04/2024 12:52	
AMORPHOUS DEPOSIT	. 1411				

BLOOD GROUP(ABO & RH TYPING)

Specimen: EDTA Whole Blood

BLOOD GROUP ABO

: B

25/04/2024 13:04

Tube or Column Agglutination

BLOOD GROUP "RH"

: POSITIVE

25/04/2024 13:04

Tube or Column Agglutination

ENDOCRINOLOGY

Specimen: EDTA Whole Blood

GLYCOSYLATED Hb (HbA1C) :

25/04/2024 13:11

HPLC

Estimated Average Glucose

: 99.67

mg/dL

25/04/2024 13:11

(eAG)

Comments:-

Haemoglobin A1c (HbA1c) correlates with a time weighted average of plasma glucose values over the previous 3 to 10 weeks. The measurement of HbA1c is therefore a reflection of glucose control over a far longer period than a blood glucose value and it remains unaffected by the short term fluctuation in blood sugar levels. Navjot Kom

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EXPECTED VALUES:

Non Diabetic	4.5%	-	5.9%
Good control	6.0%	-	6.8%
Fair control	6.9%	-	7.6%
Poor control	7.7%	and	above

End of Report**

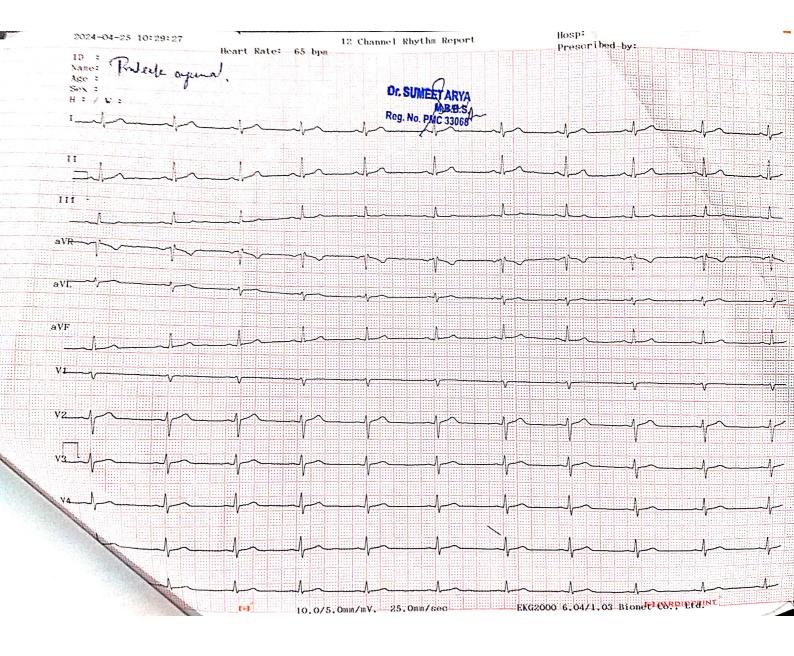
For Home Blood Collection Services Call 01762-512600 or 8437721021.

Timings for Home Care Department: 06:00 - 18:00 hours.

The results are released by technical staff under the supervision of authorised person

Navjot kour

NOT VALID FOR MEDICO-LEGAL PURPOSES







INDUS HEALTHCARE

Name: MR. PRATEEK AGRAWAL	Pat ID: IH/644048/24
Age :035Y	Sex:M
Modality : DX	Date: 25/04/2024
ime: 10:37:00	Radiologist: DR. SOFIA BANSAL
Ref. Doctor :MEDICAL OPD/MWL	Imaging Center: INDUS HOSPITAL

CHEST X-RAY PA VIEW

Lung fields are normal.

Trachea is central.

Both CP angles are normal.

Both ḥila are unremarkable.

Cardiac size appears normal.

Both domes are normally placed with normal contours.

Chest cage is within normal limit.

Correlate clinically and with other relevant investigations.

DR. SOFIA BANSAL