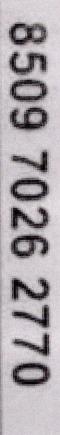
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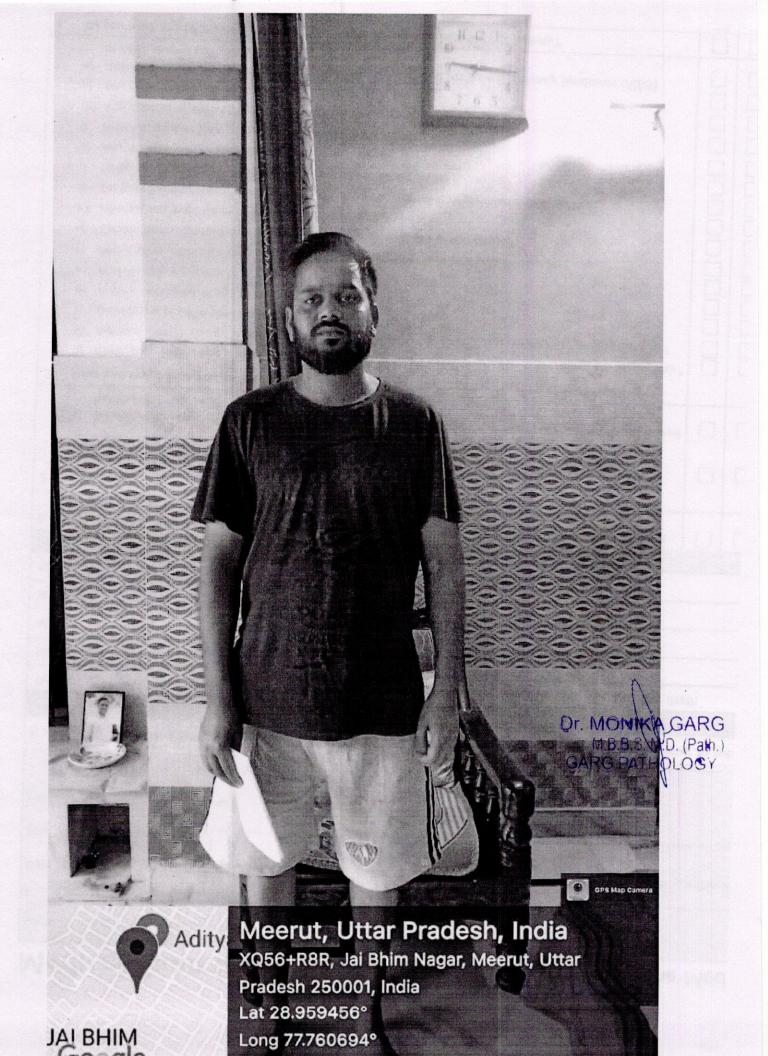
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M.B.B.S.W.D. (Path.)
GARG PATHOLOGY



अधार - अम आदमी का अधिकार





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M.D. (Path) Gold Medalist

Garden House Colony, Near Nai Sarak, Garh Road, Meerut Ph.: 0121-2600454, 8979608687, 9837772828

PUID : 220730/604 **Patient Name** 

C. NO:

604 **Collection Time Receiving Time**  : 30-Jul-2022 9:31AM : 30-Jul-2022 9:39AM

: Dr. BANK OF BARODA **Referred By** 

: Mr. DEEPAK KUMAR BHARTI 30Y / Male

**Reporting Time** 

: 30-Jul-2022 4:53PM

Sample By Organization **Centre Name** 

: Garg Pathology Lab - TPA

Investigation Units **Biological Ref-Interval** Results

#### **HAEMATOLOGY (EDTA WHOLE BLOOD)**

COMPLETE BLOOD COUNT			
HAEMOGLOBIN	13.3	gm/dl	13.0-17.0
(Colorimetry)			
TOTAL LEUCOCYTE COUNT	6490	*10^6/L	4000 - 11000
(Electric Impedence)			
DIFFERENTIAL LEUCOCYTE COUNT			
(Microscopy)			
Neutrophils	54	%.	40-80
Lymphocytes	41	%.	20-40
Eosinophils	02	%.	1-6
Monocytes	03	%.	2-10
Absolute neutrophil count	3.50	x 10^9/L	2.0-7.0(40-80%
Absolute lymphocyte count	2.66	x 10^9/L	1.0-3.0(20-40%)
Absolute eosinophil count	0.13	x 10^9/L	0.02-0.5(1-6%)
Method:-((EDTA Whole blood,Automated /			
RBC Indices			
TOTAL R.B.C. COUNT	4.71	Million/Cumm	4.5 - 6.5
(Electric Impedence)			
Haematocrit Value (P.C.V.)	41.4	%	26-50
MCV	87.9	fL	80-94
(Calculated)			
MCH	28.2	pg	27-32
(Calculated)			
MCHC	32.1	g/dl	30-35
(Calculated)			
RDW-SD	50.7	fL	37-54
(Calculated)			



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PUID : 220730/604 C. NO: 604 **Collection Time** 

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Organization

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**Receiving Time** 

<sup>:</sup> 30-Jul-2022 9:39AM

: Dr. BANK OF BARODA **Referred By** 

**Reporting Time** 

: 30-Jul-2022 4:53PM

Sample By

**Centre Name** 

: Garg Pathology Lab - TPA

Investigation	Results	Units	Biological Ref-Interval
RDW-CV	14.0	%	11.5 - 14.5
(Calculated)			
Platelet Count	1.76	/Cumm	1.50-4.50
(Electric Impedence)			
MPV	12.0	%	7.5-11.5
(Calculated)			
GENERAL BLOOD PICTURE			
NLR	1.32		1-3
6-9 Mild stres			

7-9 Pathological cause

- -NLR is a reflection of physiologic stress, perhaps tied most directly to cortisol and catecholamine levels.
- -NLR can be a useful tool to sort out patients who are sicker, compared to those who are less sick (its not specific to infection).
- -NLR has proven more useful than white blood cell count (WBC) when the two are directly compared. Ultimately, NLR may be a logical replacement for the WBC. In some situations, NLR is competitive with more expensive biomarkers (e.g. procalcitonin, lactate).
- -With specific clinical contexts (e.g. pancreatitis, pulmonary embolism), NLR may have surprisingly good prognostic value.

0-10 Erythrocyte Sedimentation Rate end of 1st mm **BLOOD GROUP \*** "O" POSITIVE \$ \$



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PUTD : 220730/604 **Patient Name** : Mr. DEEPAK KUMAR BHARTI 30Y / Male

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Sample By Organization **Collection Time Receiving Time**  : 30-Jul-2022 9:31AM <sup>:</sup> 30-Jul-2022 9:39AM

**Reporting Time** 

**Centre Name** 

: 30-Jul-2022 4:53PM : Garg Pathology Lab - TPA

Investigation	Results	Units	Biological Ref-Interval

**GLYCATED HAEMOGLOBIN (HbA1c)\*** 

7.4

%

4.3-6.3

ESTIMATED AVERAGE GLUCOSE

165.7

C. NO:

ma/dl

EXPECTED RESULTS:

Non diabetic patients & Stabilized diabetics : 4.3% to 6.30%

> Good Control of diabetes : 6.4% to 7.5% Fair Control of diabetes : 7.5% to 9.0% Poor Control of diabetes 9.0 % and above

- -Next due date for HBA1C test: After 3 months
- -High HbF & Trig.level, iron def.anaemia result in high GHb
- -Haemolyic anemia, presence of HbS, HbC and other Haemoglobinopathies may produce low values. three months.

INTERPRETATION: HbA1c is an indicator of glycemic control. HbA1c represents average glycemia over the past six to eight weeks. Glycation of hemoglobin occurs over the entire 120 day life span of the red blood cell, but with in this 120 days. Recent glycemia has the largest influence on the HbA1c value. Clinical studies suggest that a patient in stable control will have 50% of their HbA1c formed in the month before sampling, 25% in the month before that, and the remaining 25% in months two to four. Mean Plasma Glucose mg/dl = (HbA1c x 35.6) - 77.3) Correlation between HbA1c and Mean Plasma Glucose (MPG) is not "perfect" but rather only this means that to predict or estimate average glucose from Hb-A1c or vice-versa is not "perfect" but gives a good working ballpark estimate. Afternoon and evening results correlate more closely to HbA1c than morning results, perhaps because morning fasting glucose levels vary much more than daytime glucose levels, which are easier to predict and control.

As per IFCC recommendations 2007, HbA1c being reported as above maintaining traceability to both IFCC (mmol/mol) & NGSP (%) units.

#### **BIOCHEMISTRY (FLORIDE)**

PLASMA SUGAR FASTING	118.0	mg/dl	70 - 110
(GOD/POD method)			
PLASMASUGAR P.P.	135.0	mg/dl	80-140
(GOD/POD method)			
	<b>BIOCHEMISTRY (SERU</b>	М)	
BLOOD UREA NITROGEN	11.60	mg/dL.	8-23



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Gm/dL.

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604

C. NO:

PUID : 220730/604 **Patient Name** : Mr. DEEPAK KUMAR BHARTI 30Y / Male

**Referred By** : Dr. BANK OF BARODA

Sample By Organization

: 30-Jul-2022 9:31AM **Collection Time Receiving Time** : 30-Jul-2022 9:39AM

**Reporting Time** : 30-Jul-2022 5:01PM : Garg Pathology Lab - TPA **Centre Name** 

Investigation	Results	Units	Biological Ref-Interval
LIVER FUNCTION TEST			
SERUM BILIRUBIN			
TOTAL	0.6	mg/dl	0.1-1.2
(Diazo)			
DIRECT	0.3	mg/dl	<0.3
(Diazo)			
INDIRECT	0.3	mg/dl	0.1-1.0
(Calculated)			
S.G.P.T.	45.0	U/L	8-40
(IFCC method)			
S.G.O.T.	40.0	U/L	6-37
(IFCC method)			
SERUM ALKALINE PHOSPHATASE	96.0	IU/L.	50-126
(IFCC KINETIC)			
SERUM PROTEINS			
TOTAL PROTEINS	7.2	Gm/dL.	6-8
(Biuret)			
ALBUMIN	4.1	Gm/dL.	3.5-5.0

3.1

1.3



(Bromocresol green Dye)

**GLOBULIN** 

(Calculated) A: GRATIO

(Calculated)

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2.5-3.5

1.5-2.5





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604

PUID : 220730/604

C. NO: : Mr. DEEPAK KUMAR BHARTI 30Y / Male

: Dr. BANK OF BARODA **Referred By** 

Sample By

**Patient Name** 

Organization

**Collection Time Receiving Time**  : 30-Jul-2022 9:31AM <sup>:</sup> 30-Jul-2022 9:39AM

**Reporting Time** 

: 30-Jul-2022 5:01PM

**Centre Name** 

: Garg Pathology Lab - TPA

Investigation	Results	Units	Biological Ref-Interval
PSA*	0.847	ng/ml	

**ECLIA** 

NORMAL VALUE

Age (years)	Medain (ng/ml)
<49	<2.0
50-59	<3.5
60-69	<4.5
70-79	<6.5

#### KIDNEY FUNCTION TECT

KIDNEY FUNCTION TEST			
UREA	25.0	mg / dl	10 - 50
(Urease-GLDH)			
CREATININE	1.0	mg/dl	0.6 - 1.4
(Enzymatic)			
S.CALCIUM	10.1	mg/dl	9.2-11.0
Method:-Arsenazo			
SODIUM (NA)*	140.0	m Eq/litre.	135 - 155
(ISE)			
POTASSIUM (K)*	4.2	m Eq/litre.	3.5 - 5.5
(ISE)			



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PUID C. NO: 604 : 220730/604

: Mr. DEEPAK KUMAR BHARTI 30Y / Male

: Dr. BANK OF BARODA Referred By

Sample By Organization :

**Patient Name** 

**Collection Time** : 30-Jul-2022 9:31AM **Receiving Time** <sup>:</sup> 30-Jul-2022 9:39AM

**Reporting Time** : 30-Jul-2022 5:01PM : Garg Pathology Lab - TPA **Centre Name** 

Investigation	Results	Units	Biological Ref-Interval	
LIPID PROFILE				
SERUM CHOLESTEROL	292.0	mg/dl	150-250	
(CHOD - PAP)				
SERUM TRIGYCERIDE	245.0	mg/dl	70-150	
(GPO-PAP)				
HDL CHOLESTEROL *	38.0	mg/dl	30-60	
(PRECIPITATION METHOD)				
VLDL CHOLESTEROL *	49.0	mg/dl	10-30	
(Calculated)				
LDL CHOLESTEROL *	205.0	mg/dL.	0-100	
(Calculated)				
LDL/HDL RATIO *	05.4	ratio	<3.55	
(Calculated)				
CHOL/HDL CHOLESTROL RATIO*	7.7	ratio	3.8-5.9	
(Calculated)				

Interpretation:

#### NOTE:

Lipid Profile Ranges As PER NCEP-ATP III:

SERUM CHOESTEROL : Desirable : < 200 Borderline : 200 - 239 Elevated :> 240 mg/dl HDLCHOLESTEROL Desirable : > 60 Borderline : 40- 60 Decreased :< 40 mg/dl LDL CHOLESTEROL Desirable: 100 mg/dl, Borderline: 100-159 Elevated: >160 mg/dl : Desirable: 150 Borderline: 150-199 High: 200 - 499 Very High: >500 Triglycerides

Friedwald Equation, VLDL & LDL values are not applicable for triglyceride > 400 mg/dl.



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Dr. Monika Garg MBBS, MD(Path)



<sup>\*</sup>Paitient Should be Fast overnight For Minimum 12 hours and normal diet for one week\*



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PUTD : 220730/604

:

C. NO: 604 **Collection Time** 

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Organization

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: Dr. BANK OF BARODA

**Receiving Time Reporting Time**  <sup>:</sup> 30-Jul-2022 9:39AM : 30-Jul-2022 5:01PM

Sample By

**Centre Name** 

: Garg Pathology Lab - TPA

Investigation	Results	Units	Biological Ref-Interval
THYRIOD PROFILE*			
Triiodothyronine (T3) *	0.990	ng/dl	0.79-1.58
(ECLIA)			
Thyroxine (T4) *	7.225	ug/dl	4.9-11.0
(ECLIA)			
THYROID STIMULATING HORMONE (TSH) *	2.379	uIU/ml	0.38-5.30
(ECLIA)			

Hyperthyroid patient have suppressed TSH values, with the exception of those few individuals whos have hyperthyroidism caused by TSH producing pituitary tumor or other rare disordes such as pituitary resistance to thyroid hormones. Subclinical hyperthyroidism is defined as low TSH with levels of T4 and T3 within the reference interval. In most patients with hypothyroidism, serum TSH results are markedly elevated, but results are low in individuals with hypothyroidism caused by pituitary or hypothalamic disorders. An important cause of both incresed and decreased TSH results is NTI. Patients with NTI tend to have low TSH results during their acute illness ,then TSH rises to within or above the reference range with resolution of the underlying illness, and finally returns to within the reference range. The situation is complicated because drugs, including glucagon and dopamine, suppress TSH. Sensitive TSH assays are helpful in evaluation of treatment with thyroid hormone both for replacement therapy and suppressive doses for malignant thyroid disease.

**SERUM CALCIUM** mg/dl 9.2-11.0 10.1

(Arsenazo)

**BIOCHEMICAL EXAMINATION** 

**URIC ACID** 4.6 mg/dL. 3.6-7.7



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Page 7 of 8

Dr. Monika Garg

MBBS, MD(Path) (Consultant Pathologist)





Former Pathologist :

National Accreditation Board For Testing & Calibration Laboratories Garden House Colony, Near Nai Sarak, Garh Road, Meerut

St. Stephan's Hospital, Delhi

Ph.: 0121-2600454, 8979608687, 9837772828

PUID C. NO: 604 : 220730/604

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**Patient Name Referred By** : Dr. BANK OF BARODA

**Reporting Time** 

: 30-Jul-2022 5:07PM

Sample By

Organization

**Centre Name** 

: Garg Pathology Lab - TPA

Units Investigation **Biological Ref-Interval** Results

#### **URINE**

Volume 25 ml

Colour PALE YELLOW

Clear **Appearance** Clear Specific Gravity 1.025 1.000-1.030

PH ( Reaction ) Acidic

**BIOCHEMICAL EXAMINATION** 

Nil Protein Nil

Nil Sugar Nil

MICROSCOPIC EXAMINATION

Red Blood Cells /HPF Nil Nil Pus cells /HPF 0-2 2-4 /HPF **Epithilial Cells** 1-3 1-2

Crystals Nil Casts Nil

@ Special Examination

**Bile Pigments** Absent Blood Nil Bile Salts Absent

-----{END OF REPORT }-----



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