

Dr. Nitin Agarwal | Dr. Pooja (Garg) Agarwal

Radiologist & Director MAMC & Lok Nayak Hospital

NAME AGE/GENDER :Mrs. NUPOOR KUMARI

:28 YRS/Female :91728

REFERRED BY CENTRE NAME

PATIENT ID

:Dr. MEDIWHEEL

:ONEPLUS ULTRASOUND LAB

Barcode No

SPECIMEN DATE

SPECIMEN RECEIVED

LAB NO.

REPORT DATE

:10114224

:26/Feb/2022 09:21AM :26/Feb/2022 10:04AM

:26/Feb/2022 03:10PM

:012202260010

Test Name

Result

Unit

Ref. Range

HAEMATOLOGY

Health checkup 2 Female

Glycosylated Hemoglobin (HbA1c)

5.0

Non Diabetic adults <5.7 Prediabetic (at risk) 5.7-6.4

Diabetes >6.4

Estimated average blood glucose (eag)

97

Reference range (mg/dl):

90 - 120:Excellent control, 121 - 150:Good Control, 151 - 180:Average Control, 181 - 210:Action Suggested

>211:Panic value

BLOOD GROUP (ABO)

Rh typing

POSITIVE

NOTE:

- * Apart from major A,B,H antigens which are used for ABO grouping and Rh typing, many minor blood group antigens exist. Agglutination may also vary according to titre of antigen and antibody.
- * So before transfusion, reconfirmation of blood group as well as cross-matching is needed.
- * Presence of maternal antibodies in newborns, may interfere with blood grouping.
- * Auto agglutination (due to cold antibody, falciparum malaria, sepsis, internal malignancy etc.) may also cause erroneous result.

	CBC		
Haemoglobin	11.2	g/dl	11.5-15.0
Total Leucocyte Count	7770	/cumm	4000-10000
Differential leucocyte count			
Neutrophils	56.6	%	40-80
Lymphocyte	35.40	%	20-40
Monocytes	5.00	%	2-10
Eosinophils	2.6	%	1-6
Basophils	0.4	%	0-2
RBC Count	3.89	million/cumm	3.8-4.8

Checked By.

DR. NITIN AGARWAL MBBS,MD(PATHOLOGIST)
Dr NITIN AGARWAL

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Test Name	Result	Unit	Ref. Range
PCV(Hematocrit)	35.4	%	36-46
MCV	91	fL	83-101
MCH	28.9	Pg	27-32
MCHC	31.8	G/dL	32-35
Platelet count	171000	/cumm	150000-450000
RDW-CV	14.3	%	11.4-14.0
ESR(WESTEGRENs METHOD)	16	mm/1hr	<20
	BIOCHEMIS	TRY	
Blood sugar fasting	86	mg/dL	70-110

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QUALITY FIRST ... ALWAYS!

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Test Name

Result

Unit

Ref. Range

BIOCHEMISTRY

Blood sugar pp

99

mg/dL

70.0-140.0

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Test Name	Result	Unit	Ref. Range
	BIOCHEMI	STRY	
Bun (blood urea nitrogen)	12.40	mg/dl	7-18.7
Uric acid, serum	3.5	mg/dl	2.4-5.7
Creatinine, serum	0.86	mg/dl	0.50-0.9
	LFT(LIVER FUNC	TION TEST)	
Bilirubin Total	0.65	mg/dl	0.1-1.2
Bilirubin Conjugated	0.24	mg/dl	0-0.4
Bilirubin Unconjugated	0.41	mg/dl	up to 0.7
SGOT (AST)	19	U/L	0-31
SGPT (ALT)	10	U/L	<34
Alkaline phosphatase	96	U/L	35-104
Gamma glutamyl transpeptidase	24	U/L	<39
Total Protein	6.9	gm/dl	6.60 - 8.70
Albumin	3.9	g/dL	3.8-5.1
Globulin	3.00	gm/dl	1.8-3.4
Albumin/Globulin Ratio	1.30	,	1.10 - 2.50
	LIPID PRO	FILE	
Cholesterol	144	mg/dl	50-200
Triglycerides	91	mg/dL	25-150
HDL Cholesterol	45	mg/dL	30 - 70
LDL cholesterol	81	mg/dL	< 130
VLDL cholesterol	18.2	mg/dL	5-40
Cholesterol/HDL Ratio	3.2		Low Risk 3.3-4.97 Average Risk 4.4-7.1 Moderate Risk 7.1-11.0 High Risk >11.0
LDL/HDL Ratio	1.8		0 - 3.55
Appending to ATD III and NCCD quidelines			

According to ATP III and NCEP guidelines

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Dr. Nitin Agarwal

Pathologist & Director Ex. Sr. Res. MAMC & Lok Nayak Hospital Ex. Chief of Lab Dr. Lal Path Labs.

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Parameter	Normal	Desirable	Borderline	High
Total cholesterol	<200	200)-239	240
Triglycerides	<150	150-199	200-499	500
LDL	Optimal <100 Near Optimal 100-129	130-159	160-180	190
HDI	<40 · I OW 60 : HIGH			

ENDOCRINOLOGY

THYROID PROFILE(T3,T4,TSH)

Triiodothyronine total [t3]	0.95	ng/dl	0.52-1.9
Thyroxine total [t4]	7.10	μg/dl	4.8-11.6
TSH (Thyroid Stimulating Hormone)	4.20	μIU/ml	0.25-5.0

AGE WISE VARIATION IN TSH

AGE	TSH(µIU/ml)	AGE	TSH(µIU/mI)
1-4 weeks	1.00 - 19.0	16-20 yrs	0.25 - 5.0
1-12 mths	1.70 - 9.1	21 - 80 yrs	0.25 - 5.0
1-5 yrs	0.80 - 8.2	I st trimester	0.25 - 5.0
6-10 yrs	0.25 - 5.0	II nd trimester	0.50 - 5.0
11-15 yrs	0.25 - 5.0	II rd trimester	0.4 - 6.0

Reference ranges - Interpretation of Diagnostic tests - (Jacques Wallach)

1. Primary hypothyroidism is accompanied by depressed serum T3 and T4 values and elevated serum TSH level.

2. Primary hyperthyroidism is accompanied by elevated serum T3 and T4 levels along with depressed TSH values.

3. Slightly elevated T3 levels may be found in pregnancy and estrogen therapy, while depressed levels may be encountered in severe illness, renal failure and during therapy with drugs like propranolol and propyl thiouracil.

4. Although elevated TSH levels are nearly always indicative of primary hypothyroidism, and may be seen in secondary thyrotoxicosis

> **CLINICAL PATHOLOGY** URINE ROUTINE

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est Name	Result	Unit	Ref. Range	
Physical examination				
Quantity	30		ML	
Colour	PALE YELLOW			
Transparency	CLEAR		CLEAR	
Sp.gravity	1.010		1.010-1.030	
pH	6.00			
Reaction	ACIDIC		ACIDIC	
Chemical examination				
Urine protein	NIL		NIL	
Urine sugar	NIL		NIL	
Bilirubin, urine	NEGATIVE		NEGATIVE	
Urobilinogen	NORMAL		NORMAL	
Ketones	NEGATIVE		NEGATIVE	
Microscopic examination				
Pus cells.	1-2	/HPF	1-2	
Epithelial cells	1-2	/HPF	0-5	
R.B.C.	NIL	/HPF	NIL	
Casts	NIL	/HPF	NIL	
Crystals	NIL	/HPF	NIL	
Bacteria	NIL	/HPF	NIL	
Others.	NIL		NIL	

*** End Of Report ***

Checked By.

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