

LABORATORY REPORT

Name: SANEHA JOTY

Date : 22/11/22

Age : 37 y

Sex : F

Ref By: JEEVAN KAMNA HOSPITAL MATERNITY CENTRE

Test Name	Result	Units	Ref. Range
THYROID PROFILE TOTAL			
T3, TOTAL	0.78	ng / mL	(0.5-2.0)
T4, TOTAL	8.4	ug / dL	(4.1-11.8)
TSH, THYROID STIMULATING HORMONE	4.28	uIU / mL	(0.28-6.82)

Method : Chemiluminescence Immunoassays.

	Reference Groups	Age	Reference Range
T3, Total	Adults	> 18 Years	0.60 - 1.81
	Children	0 - 3 days 1 - 9 years 10 - 13 Years 14 - 18 Years	1.0 - 7.40 1.27 - 2.21 1.23 - 2.11 0.97 - 1.86
T4, Total	Adults	>20 Years	5.60 - 13.70
	Children	0 - 4 Days 15 days - 5 months 5 month- 20 years	14.00 - 28.40 8.10 - 15.70 5.60 - 14.90
	Pregnancy	1 <sup>st</sup> Trimester 2 <sup>nd</sup> Trimester 3 <sup>rd</sup> Trimester	8.00 - 17.10 8.00 - 17.80 8.00 - 20.10
TSH, TOTAL	Adults	> 20 years	0.350 - 5.500
	Children	Birth, 4 days	1.0 - 38.9

AmPath collaborates directly with UPMC, one of the top ten hospitals in the United States according to US News & World Report.

AmPath upholds rigorous standards for operational and clinical performance based on US hospital benchmarks. Test results have been furnished in adherence with these standards and under terms and conditions found on the reverse. For details, please email AmPath at [customersupport@ampath.com](mailto:customersupport@ampath.com) or call: 040 6719 9977.

LABORATORY REPORT		
	20 Weeks - 20 years	0.7-2.5
Pregnancy	1 <sup>st</sup> Trimester	0.3 -4.5
	2 <sup>nd</sup> Trimester	0.5 -4.6
	3 <sup>rd</sup> Trimester	0.8 -5.2

Note: 1 TSH levels are subject to circadian variation, rising several hours before the onset of sleep, reaching peak levels between 11 p.m to 6. a.m Nadir concentrations are observed during the afternoon. Diurnal variation in TSH level approximates +/- 50 %, hence time of the day has influence on the measured serum TSH concentrations.

2 Total T3 & T4 levels measure the hormone which is in the bound form and is not available to most tissues. In addition severe systemic illness which affects the thyroid binding proteins can falsely alter Total T4 levels in the absence of a primary thyroid disease. Hence, Free T3 & T4 levels are recommended for accurate assessment of thyroid dysfunction.

**Clinical Use**

- Primary Hypothyroidism
- Hyperthyroidism
- Hypothalamic – pituitary hypothyroidism
- Inappropriate TSH secretion
- Nonthyroidal illness
- Autoimmune thyroid disease
- Pregnancy associated thyroid disorders

REPORT COMPLETED

Test Requested:  
THYROID PROFILE TOTAL



Date :- 21/11/2022  
Name :- SANEHAJOTY  
JEEVAN KAMNA HOSPITAL & MATERNITY CENTRE

Srl No :- 02  
Age :- 37 Sex :- F

**IMMUNOLOGY – SEROLOGY**

**RHEUMATOID FACTOR – NEGATIVE 14.4 IU/ml.**

**INTERPRETATION :-**

<25 IU/ml	-	NEGATIVE
25-50 IU/ml	-	SLIGHTLY ELEVATED
50-100 IU/ml	-	ELEVATED
>100 IU/ml	-	VERY HIGH

Rheumatoid factor is more frequently present in chronic active phases of the disease than in the early or in the sub clinical chronic phases. It has occasionally been found positive in cases of hepatitis, sarcoidosis, cirrhosis of liver, syphilis, SLE, scleroderma, Sjogren's syndrome active viral infections. The **DIAGNOSIS & CARE** of rheumatoid arthritis should be based on a correlation of test result with other clinical findings.

Conditions of reporting :- The reported result is for information and interpretation by referring doctor only. Individual tests are never conclusive and should be interpreted along with other relevant investigations and clinical background. Results of tests may vary from laboratory to laboratory depending on technology used.

CHECKED BY

**DR. SATYA NARAYAN**

M.B.B.S

**DR. SYED IQBAL**

M.B.B.S

Examiner/Consultant



\* FULLY COMPUTERISED PATHOLOGICAL LAB WITH AUTOMATED MACHINES.  
\* If the results are unexpected or alarming. The doctor is advised to contact lab for clarification with fresh Sample free of cost within five days.

Note : This is a pathological interpretation. All investigations have limitations dependent on quality of specimen and individual assay procedures. An isolated, laboratory assay never confirms the final diagnosis of the disease.

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**NOT VALID FOR LEGAL PURPOSE**



Id.No:-K

Name :-SANEHA JOTY

Ref By :- JEEVAN KAMNA HOSPITAL MATERNITY CENTRE

Received no:- 21.11.2022

Age:-37 Yrs Sex:- F

**BIOCHEMISTRY**

INVESTIGATION	RESULT	UNIT	NORMAL RANGE
BLOOD GLUCOSE (FASTING)	98	mg/dl	(70 - 110 mg/dl)
BLOOD GLUCOSE (PP) (2 hr. after meal)	123	mg/dl	(110 - 150 mg/dl)



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DEPARTMENT OF LABORATORY SERVICES

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JEEVAN KAMNA HOSPITAL & MATERNITY CENTRE

Srl No :- 02

Age :- 37 Sex :- F

**RENAL PROFILE (KFD)**

Test Name	Value	Unit	Reference Value
BLOOD UREA	32.4	mg/dl	20-35
SERUM CREATININE	0.9	mg/dl	0.4-1.4
SERUM URIC ACID	3.2	mg/dl	Male: 3.5 - 7.2 Females 2.5 - 6.2

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Age:-37 Yrs Sex:- F

INVESTIGATION	FINDING	NORMAL RANGE
GLYCOHAEMOGLOBIN :-	6.8 %	(NORMAL -4.2-6.2) Good diabetic control-5.5-6.8 Fair control - 6.8-7.6 Poor control ->7.6 A1C Now + fingerstick comparative testing

ESTIMATED AVERAGE BLOOD GLUCOSE :- 147 mg /dl ( EAG CALCULATED)

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 JEEVAN KAMNA HOSPITAL & MATERNITY CENTRE

Srl No :- 02  
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## HAEMATOLOGY

### COMPLETE BLOOD COUNT WITH ESR (CBC)

INVESTIGATION REQUESTED	FINDING	UNITS	NORMAL RANGE
HAEMOGLOBIN (Hb) (Haemolysis may give affected result)	12.0	gm/dl	12 - 16
TLC (Total Leucocyte Count)	8,400	Cells/Cumm	4000-11000
DIFFERENTIAL LEUCOCYTE COUNT			
NEUTROPHILS	69	%	40 - 70
LYMPHOCYTES	22	%	20 - 40
EOSINOPHILS	08	%	1 - 6
MONOCYTES	01	%	2 - 10
BASOPHILS	00	%	0 - 1
E.S.R. Westergren Method	24	mm/1 <sup>st</sup> hr	0.00-20
RBC (Red Blood Cell Count)	3.9	Millions/cmm	3.5 - 5.5
PCV	40.6	/	36 - 44
M C V (Mean Corp Volume)	81.3	fL	80.0 - 99.9
M C H (Mean Corp Hb Conc)	35.0	g/DL	33.0 - 37.0
M C H C Mean Corp Hb Conc	35.7	g/DL	33.0 - 37.0
PLATELET COUNT	1.89	Lakhs/c.mm	1.5 - 4.5

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 Name: SANELLA ZHABIBI, Bariya Road, Infront of Bullet Service Garage, Masjidpur, Ferozpur  
 Ref. By: JEEVAN KAMNA HOSPITAL, Maternity CENTRE

**KIDNEY FUNCTION TEST**

INVESTIGATION	OBSERVED VALUE	UNITS	REFERENCE RANGE
SODIUM	: 135.9	meq/L	135 - 155
POTASSIUM	: 4.0	meq/L	3.50 - 5.50
CALCIUM	: 8.7	mg/dl	8.4 - 10.4

**COMMENT :**

Test results are created by fully/semi automated equipments.  
 This is only a professional opinion, not the diagnosis.  
 Please correlate with clinical conditions and drug history.  
 This report is not valid for medico legal purpose.  
 If the results of the tests are alarming or unexpected, please contact immediately.

**PLEASE NOTE:-** The values are provided as a guidance for the medical professional only. The values will vary from one Laboratory to another. Laboratory values depends on the age, sex and time of collection the sample and may vary accordingly. Laboratory reports should not be interpreted in isolation. They should always be correlated with clinical findings and other medical reports

\*\*\* END OF REPORT \*\*\*

CHECKED BY

**DR. SATYA NARAYAN**

M.B.B.S

**DR. SYED IQBAL**

M.B.B.S

Examined by Consultant



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Name :- SANEHAJOTY

JEEVAN KAMNA HOSPITAL & MATERNITY CENTRE

Srl No :- 02

Age :- 37 Sex :- F

## BIOCHEMISTRY

### LIVER FUNCTION TEST (LFT)

Test Name	Value	Unit	Reference Value
SERUM BILIRUBIN (Total)	0.7	mg/dl	up to 1.0
BILIRUBIN (Dir.)	0.28	mg/dl	up to 0.2
BILIRUBIN (Ind.)	0.42	mg/dl	up to 0.8
SGOT/AST	32.4	U/L	up to 38
SGPT/ALT	38.2	U/L	up to 40
ALKALINE PHOSPHATASE	110	IU/L	20-120
TOTAL PROTEIN	7.0	gm/dl	6.0-8.0
ALBUMIN	4.0	gm/dl	3.5-5.5
GLOBULIN	3.0	gm/dl	2.8-5.6

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Srl No :- 02  
Age :- 37 Sex :- F

**LIPID PROFILE**

Test Name	Value	Unit	Reference Value
TOTAL CHOLESTEROL	170	mg/dl	Children < 150mg/dl Adults :- 150-240mg/dl Old people :- 180-330g/dl
SERUM TRIGLYCERIDES	110	mg/dl	Male :- 40-240 Female :- 30-190
HDL CHOLESTEROL	50.6	mg/dl	30-65
VLDL	27.6	mg/dl	04-56
LDL CHOLESTEROL	101.0	mg/dl	50-150
TOTAL CHOLESTEROL/HDL RATIO	3.7		0.00-4.9
LDL/HDL CHOLESTEROL RATIO	2.1		0.00-3.5

**INTERPRETATION**

**RISK FACTOR OF CORONARY HEART DISEASE**

1. Cigarette smoking
2. Age (\*Male 45 yrs or more \* Female : 55 yrs or more)
3. Low HDL (<35 mg/dl)
4. Hypertension (B.P> 140/90 or on anti-hypertensive)
5. Family history of premature heart disease
  - \* in 1<sup>st</sup> a degree male relative under age 55 yrs.
  - \* in 1<sup>st</sup> a degree female relative under age 65 yrs.

- Quality controlled report with external quality assurance

PERFORMED BY **DR. SATYA NARAYAN**

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