

: Mr NARENDER

Name

TEST REPORT



LABORATORY REPORT

Sex/Age : Male / 37 Years

Ref. By ; SELF Dis. At : Pt. ID

Bill. Loc. : NDPL - Mediwheel Pt. Loc :

Reg Date and Time : 29-Feb-2024 09:29 | Sample Type : Whole Blood EDTA

Sample Date and Time : 29-Feb-2024 09:29 | Sample Coll. By : non Report Date and Time : 29-Feb-2024 11:52 | Acc. Remarks :

Sample Coll. By : non Ref Id1 :
Acc. Remarks : Ref Id2 :

Case ID: 40222301328

Printed On: 01-Mar-2024 17:14

Mobile No. :

TEST	RESULTS	UNIT	BIOLOGICAL REF. INT	ERVAL REMARKS
		HAEMOGRAM R	EPORT	
HB AND INDICES				
Haemoglobin	15.5	gm/dL	13.5 to 18.0	
RBC (Electrical Impedance)	5.68	millions/cmm	4.7 to 6.0	
PCV(Calc)	45.5	%	42.0 to 52.0	
MCV (RBC histogram)	80.1	%	78 to 100	
MCH (Calc)	27.2	pg	27.0 to 31.0	
MCHC (Calc)	34.1	gm/dL	32.0 to 36.0	
RDW (RBC histogram)	12.7	%	11.5 to 14.0	
TOTAL AND DIFFERENTIAL WB	C COUNT			
Total WBC Count	4920	/µL	4,000 to 10,500	
Neutrophil	[%] 56	EXPECTED % 40 - 80	VALUES [Abs 2755	EXPECTED VALUES /μL 2000 - 7000
Lymphocyte	33	% 20 - 40	1624	4 /μL 1000-3000
Eosinophil	02	% 1 - 6	98	/µL 20-500
Monocytes	09	% 2 - 10	443	/µL 200 - 1000
Basophil	00	% 0.00 - 2.0	0 0	/µL 00 - 100
PLATELET COUNT				
Platelet Count	323000	/µL	150000.00 - 410000.00	
MPV	9.7	fL	7.5 to 12.0	
PDW	13.9		9 - 16	
Method:				

Note:(LL-VeryLow,L-Low,H-High,HH-VeryHigh ,A-Abnormal)

TLC-SF cube technology(Flow Cytometry+ fluorescence),

Platelet count by electrical impedance+/-SF cube technology

Dr Aashis Bansal

DC by microscopy,

Consultant Pathologist

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LABORATORY REPORT

Name : Mr NARENDER Sex/Age : Male / 37 Years

Case ID: 40222301328

Ref. By : SELF

Reg Date and Time

Dis. At :

Pt. ID :

Bill. Loc. : NDPL - Mediwheel

Sample Type : Whole Blood EDTA

Pt. Loc :

Sample Date and Time : 29-Feb-2024 09:29

9-Feb-2024 09:29 | Sample Coll. By : non

Ref Id1

Report Date and Time : 29-Feb-2024 13:37

eb-2024 13:37 | Acc. Remarks :

Ref Id2

TEST

RESULTS

07

UNIT

BIOLOGICAL REF RANGE

REMARKS

Printed On: 01-Mar-2024 17:14

ESRWestergren Method

: 29-Feb-2024 09:29

mm after 1hr 3 - 15

Note:(LL-VeryLow,L-Low,H-High,HH-VeryHigh ,A-Abnormal)

Dr Aashis Bansal

Consultant Pathologist

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LABORATORY REPORT

Sex/Age : Male / 37 Years

Case ID: 40222301328

Ref. By : SELF

Dis. At

Pt. ID

Bill. Loc. : NDPL - Mediwheel

Pt. Loc :

Reg Date and Time : 29-Feb-2024 09:29

: Mr NARENDER

: Whole Blood EDTA

Mobile No. :

: 29-Feb-2024 10:33 Report Date and Time

Sample Date and Time : 29-Feb-2024 09:29

Sample Coll. By : non

Sample Type

Acc. Remarks

Ref Id1 Ref Id2

TEST

Name

RESULTS

UNITBIOLOGICAL REF RANGE

REMARKS

HAEMATOLOGY INVESTIGATIONS

BLOOD GROUP AND RH TYPING (Erythrocyte Magnetized Technology)

(Both Forward and Reverse Group)

ABO Type

B

Rh Type

POSITIVE

Note:(LL-VeryLow,L-Low,H-High,HH-VeryHigh ,A-Abnormal)

Dr Aashis Bansal

Consultant Pathologist

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LABORATORY REPORT

Printed On: 01-Mar-2024 17:14

Name : Mr NARENDER Sex/Age : Male / 37 Years Case ID : 40222301328

Ref. By : SELF Dis. At : Pt. ID :
Bill. Loc. : NDPL - Mediwheel Pt. Loc :

Reg Date and Time : 29-Feb-2024 09:29 | Sample Type : Plasma Fluoride F,Plasma | Mobile No. :

Fluoride PP

Sample Date and Time : 29-Feb-2024 09:29 | Sample Coll. By : non | Ref Id1 : Report Date and Time : 29-Feb-2024 13:34 | Acc. Remarks : Ref Id2 :

TEST RESULTS UNIT BIOLOGICAL REF RANGE REMARKS

Plasma Glucose - F
Photometric, Hexokinase

H 154 mg/dL 70.0 - 100

Plasma Glucose - PP
Dry Chemistry

H 144 mg/dL 70.0 - 140.0

Note:(LL-VeryLow,L-Low,H-High,HH-VeryHigh ,A-Abnormal)

Dr Aashis Bansal

Consultant Pathologist

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LABORATORY REPORT

: Whole Blood EDTA

: Mr NARENDER Sex/Age : Male Name / 37 Years Case ID: 40222301328

Ref. By : SELF

Dis. At

Pt. ID

Bill. Loc. : NDPL - Mediwheel

Pt. Loc

Reg Date and Time

: 29-Feb-2024 09:29 Sample Type Mobile No. :

Sample Date and Time : 29-Feb-2024 09:29

Sample Coll. By : non

Ref Id1

Report Date and Time

: 29-Feb-2024 13:35

Acc. Remarks

Ref Id2

TEST

RESULTS

UNIT

BIOLOGICAL REF RANGE

REMARKS

Printed On: 01-Mar-2024 17:14

Glycated Haemoglobin Estimation

HbA1C Immunoturbidimetric Н 6.0 % of total Hb <5.7: Normal

5.7-6.4: Prediabetes

>=6.5: Diabetes

Estimated Avg Glucose (3 Mths)

125.50

mg/dL

Not available

Please Note change in reference range as per ADA 2021 guidelines.

Interpretation:

HbA1C level reflects the mean glucose concentration over previous 8-12 weeks and provides better indication of long term glycemic control.

Levels of HbA1C may be low as result of shortened RBC life span in case of hemolytic anemia.

Increased HbA1C values may be found in patients with polycythemia or post splenectomy patients.

Patients with Homozygous forms of rare variant Hb(CC,SS,EE,SC) HbA1c can not be quantitated as there is no HbA.

In such circumstances glycemic control can be monitored using plasma glucose levels or serum Fructosamine.

The A1c target should be individualized based on numerous factors, such as age, life expectancy, comorbid conditions, duration of diabetes, risk of hypoglycemia or adverse consequences from hypoglycemia, patient motivation and adherence.

Note:(LL-VeryLow,L-Low,H-High,HH-VeryHigh ,A-Abnormal)

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Neuberg

India • UAE • South Africa • USA

Ref. By : SELF

TEST REPORT



LABORATORY REPORT

Name : Mr NARENDER Sex/Age : Male / 37 Years

Dis. At : Pt. ID

Bill. Loc. : NDPL - Mediwheel

Pt. Loc :
Type : Serum | Mobile No. :

Reg Date and Time : 29-Feb-2024 09:29 Sample Type :

Ref ld1 :

Ref Id2

Sample Date and Time : 29-Feb-2024 09:29 Report Date and Time : 29-Feb-2024 13:35

Sample Coll. By : non
Acc. Remarks :

•

TEST RESULTS UNIT BIOLOGICAL REF RANGE REMARKS

BIOCHEMICAL INVESTIGATIONS

Lipid Profile

Cholesterol Dry Chemistry		189	mg/dL	<200
HDL Cholesterol Dry Chemistry		48	mg/dL	40 - 60
Triglyceride Dry Chemistry		69	mg/dL	40 - 200
VLDL Calculated		13.8	mg/dL	10 - 40
Chol/HDL Calculated		3.94		0.00 - 4.10
LDL Cholesterol	Н	127.20	mg/dL	0.00 - 100.00

NEW ATP III GUIDELINES (MAY 2001), MODIFICATION OF NCEP

LDL CHOLESTEROL	CHOLESTEROL	HDL CHOLESTEROL	TRIGLYCERIDES
Optimal<100	Desirable<200	Low<40	Normal<150
Near Optimal 100-129	Border Line 200-239	High >60	Border High 150-199
Borderline 130-159	High >240		High 200-499
High 160-189	i -		

- LDL Cholesterol level is primary goal for treatment and varies with risk category and assessment
- For LDL Cholesterol level Please consider direct LDL value
- Risk assessment from HDL and Triglyceride has been revised. Also LDL goals have changed.
- Detail test interpreation available from the lab
- All tests are done according to NCEP guidelines and with FDA approved kits.
- LDL Cholesterol level is primary goal for treatment and varies with risk category and assessment

Note:(LL-VeryLow,L-Low,H-High,HH-VeryHigh ,A-Abnormal)

Dr Aashis Bansal

Consultant Pathologist

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Printed On: 01-Mar-2024 17:14

Name : Mr NARENDER Sex/Age : Male / 37 Years Case ID: 40222301328

Ref. By : SELF Dis. At : Pt. ID Bill. Loc. : NDPL - Mediwheel Pt. Loc :

Reg Date and Time : 29-Feb-2024 09:29 Sample Type Mobile No. : Ref Id1

Sample Date and Time : 29-Feb-2024 09:29 Sample Coll. By : non Report Date and Time : 29-Feb-2024 13:37 Ref Id2 Acc. Remarks

TEST RESULTS UNITBIOLOGICAL REF RANGE **REMARKS**

BIOCHEMICAL INVESTIGATIONS

		Live	r Function T	est
S.G.P.T. Dry Chemistry	Н	53.6	U/L	0 - 50
S.G.O.T. Dry Chemistry		29.0	U/L	15 - 46
Alkaline Phosphatase Dry Chemistry		69	U/L	38 - 126
Gamma Glutamyl Transferase Dry Chemistry		66.6	U/L	15 - 73
Proteins (Total) Dry Chemistry		6.9	gm/dL	6.4 - 8.2
Albumin Dry Chemistry		4.2	gm/dL	3.5 - 5.0
Globulin Calculated		2.70	gm/dL	2 - 4.1
A/G Ratio Calculated		1.56		1.0 - 2.1
Bilirubin Total Dry Chemistry		1.30	mg/dL	0.2 - 1.3
Bilirubin Conjugated Diazotization reaction		0.50	mg/dL	0 - 0.50
Bilirubin Unconjugated Calculated		0.80	mg/dL	0.10 - 1.00

Note:(LL-VeryLow,L-Low,H-High,HH-VeryHigh ,A-Abnormal)

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Consultant Pathologist

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LABORATORY REPORT	

Pt. Loc

Printed On: 01-Mar-2024 17:14

: Mr NARENDER Sex/Age : Male / 37 Years Case ID: 40222301328 Name

Pt. ID Ref. By : SELF Dis. At Bill. Loc. : NDPL - Mediwheel

Reg Date and Time : 29-Feb-2024 09:29 Sample Type : Serum Mobile No. :

Sample Date and Time : 29-Feb-2024 09:29 Ref Id1 Sample Coll. By : non Report Date and Time : 29-Feb-2024 13:36 Acc. Remarks Ref Id2

TEST RESULTS UNIT **BIOLOGICAL REF RANGE REMARKS** Thyroid Function Test 80 - 200 Triiodothyronine (T3) 128.6 ng/dL Thyroxine (T4) 6 68 µg/dL 5.1 - 14.1 **TSH** 4.37 μIU/mL 0.27 - 4.20

INTERPRETATIONS

- Circulating TSH measurement has been used for screening for euthyroidism, screening and diagnosis for hyperthyroidism & hypothyroidism. Suppressed TSH (<0.01 µIU/mL) suggests a diagnosis of hyperthyroidism and elevated concentration (>7 µIU/mL) suggest hypothyroidism. TSH levels may be affected by acute illness and several medications including dopamine and glucocorticoids. Decreased (low or undetectable) in Graves disease. Increased in TSH secreting pituitary adenoma (secondary hyperthyroidism), PRTH and in hypothalamic disease thyrotropin (tertiary hyperthyroidism). Elevated in hypothyroidism (along with decreased T4) except for pituitary & hypothalamic disease.
- Mild to modest elevations in patient with normal T3 & T4 levels indicates impaired thyroid hormone reserves & incipent hypothyroidism (subclinical hypothyroidism).
- Mild to modest decrease with normal T3 & T4 indicates subclinical hyperthyroidism.
- Degree of TSH suppression does not reflect the severity of hyperthyroidism, therefore, measurement of free thyroid hormone levels is required in patient with a supressed TSH level.

CAUTIONS

Sick, hospitalized patients may have falsely low or transiently elevated thyroid stimulating hormone. Some patients who have been exposed to animal antigens, either in the environment or as part of treatment or imaging procedure, may have circulating antianimal antibodies present. These antibodies may interfere with the assay reagents to produce unreliable results.

TSH ref range in pregnancy Reference range (microIU/ml)

First trimester 0.24 - 2.00Second trimester 0.43 - 2.2Third trimester 0.8 - 2.5

Note:(LL-VeryLow,L-Low,H-High,HH-VeryHigh ,A-Abnormal)

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Consultant Pathologist

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: Mr NARENDER

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LABORATORY REPORT

Case ID: 40222301328 Sex/Age : Male / 37 Years

Ref. By : SELF Dis. At Pt. ID

Bill. Loc. : NDPL - Mediwheel Pt. Loc

Reg Date and Time : 29-Feb-2024 09:29 Sample Type Mobile No. :

Sample Date and Time : 29-Feb-2024 09:29 Ref Id1 Sample Coll. By : non Report Date and Time : 29-Feb-2024 13:36 Acc. Remarks Ref Id2

Interpretation Note:
Ultra sensitive-thyroid-stimulating hormone (TSH) is a highly effective screening assay for thyroid disorders. In patients with an intact pituitary-thyroid axis, s-TSH provides a physiologic indicator of the functional level of thyroid hormone activity. Increased s-TSH indicates inadequate thyroid hormone, and suppressed s-TSH indicates excess thyroid hormone. Transient s-TSH abnormalities may be found in seriously ill, hospitalized patients, so this is not the ideal setting to assess thyroid function. However, even in these patients, s-TSH works better than total thyroxine (an alternative screening test), when the s-TSH result is abnormal, appropriate follow-up tests T4 & free T3 levels should be performed. If TSH is between 5.0 to 10.0 & free T4 & free T3 level are normal then it is considered as subclinical hypothyroidism which should be followed up after 4 weeks & If TSH is > 10 & free T4 & free T3 level are normal then it is considered as overt hypothyroidism.

Serum triiodothyronine (T3) levels often are depressed in sick and hospitalized patients, caused in part by the biochemical shift to the production of reverse T3. Therefore, T3 generally is not a reliable predictor of hypothyroidism. However, in a small subset of hypothyroid patients, hypothyroidism may be caused by overproduction of T3 (T3 toxicosis). To help diagnose and monitor this subgroup, T3 is measured on all specimens with suppressed s-TSH and normal FT4 concentrations.

Normal ranges of TSH & thyroid hormons vary according trimesper in pregnancy.

TSH ref range in Pregnacy Reference range (microIU/ml)

0.24 - 2.00 0.43-2.2 First triemester Second triemester Third triemester 0.8-2.5

	T3	T4	TSH
Normal Thyroid function	N	N	N
Primary Hyperthyroidism	↑	↑	\downarrow
Secondary Hyperthyroidism	1	↑	1
Grave's Thyroiditis	1	↑	↑
T3 Thyrotoxicosis	↑	N	N/↓
Primary Hypothyroidism	V	V	1
Secondary Hypothyroidism	\	\	\
Subclinical Hypothyroidism	N	N	↑
Patient on treatment	N	N/↑	V

Note:(LL-VeryLow,L-Low,H-High,HH-VeryHigh ,A-Abnormal)

Dr Aashis Bansal

Consultant Pathologist

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LABORATORY REPORT

Name : Mr NARENDER Sex/Age : Male / 37 Years Case ID: 40222301328

Ref. By : SELF Pt. ID Dis. At Bill. Loc. : NDPL - Mediwheel Pt. Loc

Reg Date and Time : 29-Feb-2024 09:29 Sample Type : Spot Urine Mobile No. : Sample Date and Time : 29-Feb-2024 09:29 Sample Coll. By : non Ref Id1

Ref Id2 Report Date and Time : 29-Feb-2024 13:34 Acc. Remarks

TEST RESULTS UNIT BIOLOGICAL REF RANGE **REMARKS**

URINE EXAMINATION (STRIP METHOD AND FLOWCYTOMETRY)

4.6 - 8

Physical examination

рΗ

Colour Pale yellow

Transparency Clear **CLEAR**

Chemical Examination By Sysmex UC-3500

Sp.Gravity 1.030 1.003 - 1.035 6.0

Leucocytes (ESTERASE) **Negative** Negative **Protein** Negative Negative Glucose **Negative** Negative **Ketone Bodies Urine** Negative Negative Urobilinogen **Normal** Negative Negative Negative **Bilirubin Blood Negative** Negative **Nitrite** Negative Negative

Flowcytometric Examination By Sysmex UF-5000

/HPF Nil Leucocyte 1-2 Nil **Red Blood Cell** /HPF Absent **Epithelial Cell** Nil /HPF Present(+) Nil **ABSENT Bacteria** Yeast Nil **ABSENT** Nil Cast /LPF Nil Nil /HPF Nil Crystals

Note:(LL-VeryLow,L-Low,H-High,HH-VeryHigh ,A-Abnormal)

Dr Aashis Bansal

Printed On: 01-Mar-2024 17:14

Consultant Pathologist

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LABORATORY REPORT

Printed On: 01-Mar-2024 17:14

Name : Mr NARENDER Sex/Age : Male / 37 Years Case ID : 40222301328

Ref. By : SELF Dis. At : Pt. ID : Bill. Loc. : NDPL - Mediwheel Pt. Loc :

Reg Date and Time : 29-Feb-2024 09:29 | Sample Type : Spot Urine | Mobile No. :

Sample Date and Time : 29-Feb-2024 09:29 Sample Coll. By : non Ref Id1 : Report Date and Time : 29-Feb-2024 13:34 Acc. Remarks : Ref Id2 :

Parameter	Unit	Unit Expected value		Result/Notations				
- 4411	144	Trace	+	++	+++	++++		
pH	-	4.6-8.0	T III T III S	- 20	9	k	2 111	
SG	-	1.003-1.035	100					
Protein	mg/dL	Negative (<10)	10	25	75	150	500	
Glucose	mg/dL	Negative (<30)	30	50	100	300	1000	
Bilirubin	mg/dL	Negative (0.2)	0.2	1	3	6	-	
Ketone	mg/dL	Negative (<5)	5	15	50	150	2	
Urobilinogen	mg/dL	Negative (<1)	1	4	8	12	51	
Darameter	Unit	Evnected value	Result/Notifications					

Parameter	Unit	Expected value	Result/Notifications				
		2	Trace	+	++	+++	++++
Leukocytes (Strip)	/micro L	Negative (<10)	10	25	100	500	-
Nitrite(Strip)	-	Negative	-	-	-	-	-
Erythrocytes(Strip)	/micro L	Negative (<5)	10	25	50	150	250
Pus cells (Microscopic)	/hpf	<5	51	5	87.8	-	ā
Red blood cells(Microscopic)	/hpf	<2	27	-	-	-	-
Cast (Microscopic)	/lpf	<2	5		(7.0	-	- 5

Note:(LL-VeryLow,L-Low,H-High,HH-VeryHigh ,A-Abnormal)

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Consultant Pathologist

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	LABORATORY REPORT	
Name : Mr NARENDER	Sex/Age: Male / 37 Years	Case ID: 40222301328
Ref. By : SELF	Dis. At :	Pt. ID :
Bill. Loc. : NDPL - Mediwheel		Pt. Loc :
Reg Date and Time : 29-Feb-2024 09:29	Sample Type : Serum	Mobile No. :
Sample Date and Time : 29-Feb-2024 09:29	Sample Coll. By : non	Ref Id1 :
Report Date and Time : 29-Feb-2024 13:36	Acc. Remarks :	Ref ld2 :

TEST	RESULTS	UNIT	BIOLOGICAL REF RANGE	TEST REMARK					
Kidney Function Test									
Urea Dry Chemistry	20.1	mg/dL	19 - 43						
Creatinine Dry Chemistry	1.06	mg/dL	0.66 - 1.25						
Uric Acid Dry Chemistry	4.5	mg/dL	3.5 - 8.5						
		- End Of Report							

For test performed on specimens received or collected from non-NSRL locations, it is presumed that the specimen belongs to the patient named or identified as labeled on the container/test request and such verification has been carried out at the point generation of the said specimen by the sender. NSRL will be responsible Only for the analytical part of test carried out. All other responsibility will be of referring Laboratory.

Note:(LL-VeryLow,L-Low,H-High,HH-VeryHigh ,A-Abnormal)

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