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NAME	: Mr. JATIN			
AGE/ GENDER	: 23 YRS/MALE	l	PATIENT ID	: 1764966
COLLECTED BY	:]	REG. NO./LAB NO.	: 122502210008
REFERRED BY	:]	REGISTRATION DATE	: 21/Feb/2025 10:59 AM
BARCODE NO.	: 12507146	(COLLECTION DATE	: 21/Feb/2025 11:53AM
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTITU	TE I	REPORTING DATE	: 21/Feb/2025 01:05PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBAL	A CITY - HAR	RYANA	
Test Name		Value	Unit	Biological Reference interval
	SWASTI	HYA WEI	LNESS PANEL: 1.2	
	СОМР	LETE BLO	OD COUNT (CBC)	
RED BLOOD CELLS	(RBCS) COUNT AND INDICES			
HAEMOGLOBIN (HI	3)	15.6	gm/dL	12.0 - 17.0
RED BLOOD CELL (1	RBC) COUNT OCUSING, ELECTRICAL IMPEDENCE	5.32 ^H	Millions/o	cmm 3.50 - 5.00
PACKED CELL VOLU		44.6	%	40.0 - 54.0
MEAN CORPUSCUL		83.9	KR fl	80.0 - 100.0
	AR HAEMOGLOBIN (MCH) UTOMATED HEMATOLOGY ANALYZER	29.3	pg	27.0 - 34.0
	AR HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	35	g/dL	32.0 - 36.0
	JTION WIDTH (RDW-CV) UTOMATED HEMATOLOGY ANALYZER	12.8	%	11.00 - 16.00
	JTION WIDTH (RDW-SD) utomated hematology analyzer	41	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		15.77	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING IND by CALCULATED		20.17	RATIO	BETA THALASSEMIA TRAIT:< 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CEI	LLS (WBCS)			
-	COUNT (TLC) By SF cube & microscopy UCOCYTE COUNT (DLC)	9880	/cmm	4000 - 11000
NEUTROPHILS		49 ^L	%	50 - 70
LYMPHOCYTES	BY SF CUBE & MICROSCOPY	38	%	20 - 40

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Test Name		Value	Unit	Biological Reference interval
by FLOW CYTOMETRY	BY SF CUBE & MICROSCOPY			
EOSINOPHILS		7 ^H	%	1 - 6
MONOCYTES	Y BY SF CUBE & MICROSCOPY	6	%	2 - 12
•	BY SF CUBE & MICROSCOPY			
BASOPHILS	' BY SF CUBE & MICROSCOPY	0	%	0 - 1
	CYTES (WBC) COUNT			
ABSOLUTE NEUTRO	OPHIL COUNT	4841	/cmm	2000 - 7500
-	BY SF CUBE & MICROSCOPY			000 1000
ABSOLUTE LYMPHO	CYTE COUNT YBY SF CUBE & MICROSCOPY	3754 ^L	/cmm	800 - 4900
ABSOLUTE EOSINO	PHIL COUNT	692 ^H	/cmm	40 - 440
by FLOW CYTOMETRY ABSOLUTE MONOC	Y BY SF CUBE & MICROSCOPY	593	lomm	80 - 880
	Y BY SF CUBE & MICROSCOPY	393	/cmm	80 - 880
ABSOLUTE BASOPH		0	/cmm	0 - 110
	' BY SF CUBE & MICROSCOPY THER PLATELET PREDICTIVE	MARKERS		
PLATELET COUNT		276000	/cmm	150000 - 450000
	OCUSING, ELECTRICAL IMPEDENCE	270000	7 cmm	130000 - 430000
PLATELETCRIT (PC		0.28	%	0.10 - 0.36
MEAN PLATELET V	OCUSING, ELECTRICAL IMPEDENCE	10	fL	6.50 - 12.0
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE			
	CELL COUNT (P-LCC)	79000	/cmm	30000 - 90000
•	CELL RATIO (P-LCR)	28.7	%	11.0 - 45.0
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE			
	UTION WIDTH (PDW) OCUSING, ELECTRICAL IMPEDENCE	16.5	%	15.0 - 17.0
	CTED ON EDTA WHOLE BLOOD			



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CLIENT CODE.	: P.K.R JAIN HEALTHCARE INST	TUTE REPO	RTING DATE	: 21/Feb/2025 03:21PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMI	BALA CITY - HARYANA	A	
Test Name		Value	Unit	Biological Reference interva
	DIMENTATION RATE (ESR) gation by capillary photometry	5	mm/1st ł	nr 0 - 20
immune disease, but 2. An ESR can be affe as C-reactive protein	does not tell the health practition octed by other conditions besides in be used to monitor disease activity	er exactly where the in nflammation. For this i	nflammation is in the reason, the ESR is typ	on associated with infection, cancer and au body or what is causing it. ically used in conjunction with other test so pove diseases as well as some others, such a
	W ESR n with conditions that inhibit the r	ormal sedimentation	of red blood cells su	ch as a high red blood cell count
(polycythaemia), sigr as sickle cells in sickl	hificantly high white blood cell cou le cell anaemia) also lower the ESF	nt (leucocytosis), and	some protein abnor	malities. Some changes in red cell shape (s
NOTE: 1. ESR and C - reactiv	e protein (C-RP) are both markers o	of inflammation.		
2. Generally, ESR doe	es not change as rapidly as does CR	P, either at the start of		
3. UKP IS NOT ATTECTED 4 If the FSR is elevat	by as many other factors as is ESR,	making it a petter ma	rker of inflammation.	

If the ESR is elevated, it is typically a result of two types of proteins, globulins or fibrinogen.
 Women tend to have a higher ESR, and menstruation and pregnancy can cause temporary elevations.

6. Drugs such as dextran, methyldopa, oral contraceptives, penicillamine procainamide, theophylline, and vitamin A can increase ESR, while aspirin, cortisone, and quinine may decrease it





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CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, A	MBALA CITY - HARYANA		
Test Name		Value	Unit	Biological Reference interval
		OAT OTTERATORDAY	DIOCHERICE	
	CLINIC	CAL CHEMISTRY/	BIOCHEMI21	RY
	CLINI	CAL CHEMISTRY/ GLUCOSE FAST		RY

2. A fasting plasma glucose level between 100 - 125 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prandial blood

test (after consumption of 75 gms of glucose) is recommended for all such patients. 3. A fasting plasma glucose level of above 125 mg/dl is highly suggestive of diabetic state. A repeat post-prandial is strongly recommended for all such patients. A fasting plasma glucose level in excess of 125 mg/dl on both occasions is confirmatory for diabetic state.





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CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, A	MBALA CITY - H	ARYANA	
Test Name		Value	Unit	Biological Reference interval
		LIPID PF	ROFILE : BASIC	
CHOLESTEROL TO' by CHOLESTEROL O		145.41	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S by GLYCEROL PHOSE	ERUM PHATE OXIDASE (ENZYMATIC)	97.79	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTERO by SELECTIVE INHIBIT	L (DIRECT): SERUM 710N	46.9	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTERO	L: SERUM ECTROPHOTOMETRY	78.95	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129. BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLES' by calculated, spe	TEROL: SERUM ECTROPHOTOMETRY	98.51	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159. BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTER	OL: SERUM ECTROPHOTOMETRY	19.56	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SEF by CALCULATED, SPE	RUM ECTROPHOTOMETRY	388.61	mg/dL	350.00 - 700.00
CHOLESTEROL/HI by CALCULATED, SPE	DL RATIO: SERUM ectrophotometry	3.1	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0



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Test Name	Value	Unit	Biological Reference interval
LDL/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	1.68	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/HDL RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY	2.09 ^L	RATIO	3.00 - 5.00

INTERPRETATION:

1. Measurements in the same patient can show physiological analytical variations. Three serial samples 1 week apart are recommended for Total Cholesterol, Triglycerides, HDL & LDL Cholesterol.

2. As per NLA-2014 guidelines, all adults above the age of 20 years should be screened for lipid status. Selective screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is recommended.

3. Low HDL levels are associated with increased risk for Atherosclerotic Cardiovascular disease (ASCVD) due to insufficient HDL being available

to participate in reverse cholesterol transport, the process by which cholesterol is eliminated from peripheral tissues. 4. NLA-2014 identifies Non HDL Cholesterol (an indicator of all atherogeniclipoproteins such as LDL, VLDL, IDL, Lpa, Chylomicron remnants) along with LDL-cholesterol as co- primary target for cholesterol lowering therapy. Note that major risk factors can modify treatment goals for LDL & Non HDL.

5. Additional testing for Apolipoprotein B, hsCRP,Lp(a) & LP-PLA2 should be considered among patients with moderate risk for ASCVD for risk refinement





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Test Name		Value	Unit	Biological Reference interva
	LIVER	FUNCTIO	N TEST (COMPLETE)	
BILIRUBIN TOTAL by diazotization, si	: SERUM PECTROPHOTOMETRY	0.45	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	Г (CONJUGATED): SERUM spectrophotometry	0.25	mg/dL	0.00 - 0.40
	CCT (UNCONJUGATED): SERUM	0.2	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	[/RIDOXAL PHOSPHATE	30.53	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	[/RIDOXAL PHOSPHATE	32.49	KR U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE	ERUM ECTROPHOTOMETRY	0.94	RATIO	0.00 - 46.00
ALKALINE PHOSPI by Para Nitrophen propanol	HATASE: SERUM IYL PHOSPHATASE BY AMINO METHYL	64.3	U/L	40.0 - 130.0
GAMMA GLUTAMY by SZASZ, SPECTRO	L TRANSFERASE (GGT): SERUM	17.11	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		6.46	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G		4.15	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE	I ECTROPHOTOMETRY	2.31	gm/dL	2.30 - 3.50
A : G RATIO: SERUI		1.8	RATIO	1.00 - 2.00

by CALCULATED, SPECTROPHOTOMETRY

INTERPRETATION

NOTE: - To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range.

USE:- Differential diagnosis of diseases of hepatobiliary system and pancreas.

INCREASED:

DRUG HEPATOTOXICITY	> 2
ALCOHOLIC HEPATITIS	> 2 (Highly Suggestive)
CIRRHOSIS	1.4 - 2.0
INTRAHEPATIC CHOLESTATIS	> 1.5
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Increased)





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Test Name	Value	Unit	Biological Reference interval

DECREASED:

1. Acute Hepatitis due to virus, drugs, toxins (with AST increased 3 to 10 times upper limit of normal)

2. Extra Hepatic cholestatis: 0.8 (normal or slightly decreased).

|--|

NORMAL	< 0.65
GOOD PROGNOSTIC SIGN	0.3 - 0.6
POOR PROGNOSTIC SIGN	1.2 - 1.6



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Test Name		Value	Unit	Biological Reference interva
	KIDNI	EY FUNCTI	ON TEST (COMPLETE)	1
UREA: SERUM by UREASE - GLUTAM	IATE DEHYDROGENASE (GLDH)	18.84	mg/dL	10.00 - 50.00
CREATININE: SERU		1.06	mg/dL	0.40 - 1.40
BLOOD UREA NITR by CALCULATED, SPE	OGEN (BUN): SERUM	8.8	mg/dL	7.0 - 25.0
BLOOD UREA NITR RATIO: SERUM by CALCULATED, SPE	COGEN (BUN)/CREATININE	8.3 ^L	RATIO	10.0 - 20.0
UREA/CREATININI by CALCULATED, SPE	E RATIO: SERUM	17.77	RATIO	
URIC ACID: SERUM by URICASE - OXIDAS		4.12	mg/dL	3.60 - 7.70
CALCIUM: SERUM by ARSENAZO III, SPE	CTROPHOTOMETRY	9.6	mg/dL	8.50 - 10.60
-	RUM DATE, SPECTROPHOTOMETRY	3.17	mg/dL	2.30 - 4.70
<u>ELECTROLYTES</u>				
SODIUM: SERUM by ISE (ION SELECTIV	·	144.4	mmol/L	135.0 - 150.0
POTASSIUM: SERUN by ISE (ION SELECTIV	E ELECTRODE)	4.7	mmol/L	3.50 - 5.00
CHLORIDE: SERUM by ISE (ION SELECTIV		108.3	mmol/L	90.0 - 110.0

ESTIMATED GLOMERULAR FILTERATION RATE

INTERPRETATION:

To differentiate between pre- and post renal azotemia.

INCREASED RATIO (>20:1) WITH NORMAL CREATININE:

1. Prerenal azotemia (BUN rises without increase in creatinine) e.g. heart failure, salt depletion, dehydration, blood loss) due to decreased glomerular filtration rate.

2. Catabolic states with increased tissue breakdown.

3. GI haemorrhage.

4. High protein intake.

5. Impaired renal function plus

6. Excess protein intake or production or tissue breakdown (e.g. infection, GI bleeding, thyrotoxicosis, Cushing's syndrome, high protein diet,





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Test Name	Value	Unit	Biological Reference interval

burns, surgery, cachexia, high fever).

7. Urine reabsorption (e.g. ureter colostomy)

8. Reduced muscle mass (subnormal creatinine production)

9. Certain drugs (e.g. tetracycline, glucocorticoids)

INCREASED RATIO (>20:1) WITH ELEVATED CREATININE LEVELS:

1. Postrenal azotemia (BUN rises disproportionately more than creatinine) (e.g. obstructive uropathy).

2. Prerenal azotemia superimposed on renal disease.

DECREASED RATIO (<10:1) WITH DECREASED BUN :

1. Acute tubular necrosis.

2. Low protein diet and starvation.

3. Severe liver disease.

4. Other causes of decreased urea synthesis.

5. Repeated dialysis (urea rather than creatinine diffuses out of extracellular fluid).

6. Inherited hyperammonemias (urea is virtually absent in blood).

7. SIADH (syndrome of inappropiate antidiuretic harmone) due to tubular secretion of urea.

8. Pregnancy.

DECREASED RATIO (<10:1) WITH INCREASED CREATININE:

1. Phenacimide therapy (accelerates conversion of creatine to creatinine).

2. Rhabdomyolysis (releases muscle creatinine).

3. Muscular patients who develop renal failure.

INAPPROPIATE RATIO:

1. Diabetic ketoacidosis (acetoacetate causes false increase in creatinine with certain methodologies, resulting in normal ratio when dehydration should produce an increased BUN/creatinine ratio).

2. Cephalosporin therapy (interferes with creatinine measurement).

ESTIMATED GLOMERULAR FILT	ERATION RATE:		
CKD STAGE	DESCRIPTION	GFR (mL/min/1.73m2)	ASSOCIATED FINDINGS
G1	Normal kidney function	>90	No proteinuria
G2	Kidney damage with	>90	Presence of Protein,
	normal or high GFR		Albumin or cast in urine
G3a	Mild decrease in GFR	60 -89	
G3b	Moderate decrease in GFR	30-59	
G4	Severe decrease in GFR	15-29	
G5	Kidney failure	<15	



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Test Name	Value	Unit	Biological Reference interval

COMMENTS:

1. Estimated Glomerular filtration rate (eGFR) is the sum of filtration rates in all functioning nephrons and so an estimation of the GFR provides a measure of functioning nephrons of the kidney. 2. eGFR calculated using the 2009 CKD-EPI creatinine equation and GFR category reported as per KDIGO guideline 2012

3. In patients, with eGFR creatinine between 45-59 ml/min/1.73 m2 (G3) and without any marker of Kidney damage, It is recommended to measure eGFR with Cystatin C for confirmation of CKD

4. eGFR category G1 OR G2 does not fullfill the criteria for CKD, in the absence of evidence of Kidney Damage 5. In a suspected case of Acute Kidney Injury (AKI), measurement of eGFR should be done after 48-96 hours of any Intervention or procedure 6. eGFR calculated by Serum Creatinine may be less accurate due to certain factors like Race, Muscle Mass, Diet, Certain Drugs. In such cases, eGFR should be calculated using Serum Cystatin C 7. A decrease in eGFR implies either progressive renal disease, or a reversible process causing decreased nephron function (eg, severe dehydration).

ADVICE:

KDIGO guideline, 2012 recommends Chronic Kidney Disease (CKD) should be classified based on cause, eGFR category and Albuminuria (ACR) category. GFR & ACR category combined together reflect risk of progression and helps Clinician to identify the individual who are progressing at more rapid rate than anticipated



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PKR JAIN HEALTHCARE INSTITUTE

NAME	: Mr. JATIN			
AGE/ GENDER	: 23 YRS/MALE	P	PATIENT ID	: 1764966
COLLECTED BY	ED BY : REG. NO./LAB NO.		: 122502210008	
REFERRED BY	:	F	REGISTRATION DATE	: 21/Feb/2025 10:59 AM
BARCODE NO.	: 12507146	C	COLLECTION DATE	: 21/Feb/2025 11:53AM
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTITU	ГЕ F	REPORTING DATE	: 21/Feb/2025 01:05PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBAL	A CITY - HAR	YANA	
Test Name		Value	Unit	Biological Reference interval
		ENDOCR	INOLOGY	
	THYRO		INOLOGY ION TEST: TOTAL	
				0.35 - 1.93
by CMIA (CHEMILUMIN THYROXINE (T4): S	NE (T3): SERUM IESCENT MICROPARTICLE IMMUNOASSAY)	DID FUNCT	TON TEST: TOTAL	0.35 - 1.93 4.87 - 12.60
THYROXINE (T4): S by CMIA (CHEMILUMIN THYROID STIMULA	NE (T3): SERUM MESCENT MICROPARTICLE IMMUNOASSAY) SERUM MESCENT MICROPARTICLE IMMUNOASSAY) TTING HORMONE (TSH): SERUM MESCENT MICROPARTICLE IMMUNOASSAY)	DID FUNCT 1.28	TON TEST: TOTAL ng/mL	

TSH levels are subject to circadian variation, reaching peak levels between 2-4 a.m and at a minimum between 6-10 pm. The variation is of the order of 50%. Hence time of the day has influence on the measured serum TSH concentrations. TSH stimulates the production and secretion of the metabolically active hormones, thyroxine (T4) and triiodothyronine (T3). Failure at any level of regulation of the hypothalamic-pituitary-thyroid axis will result in either underproduction (hypothyroidism) or overproduction(hyperthyroidism) of T4 and/or T3.

CLINICAL CONDITION	Т3	T4	TSH
Primary Hypothyroidism:	Reduced	Reduced	Increased (Significantly)
Subclinical Hypothyroidism:	Normal or Low Normal	Normal or Low Normal	High
Primary Hyperthyroidism:	Increased	Increased	Reduced (at times undetectable)
Subclinical Hyperthyroidism:	Normal or High Normal	Normal or High Normal	Reduced

LIMITATIONS:-

1. T3 and T4 circulates in reversibly bound form with Thyroid binding globulins (TBG), and to a lesser extent albumin and Thyroid binding Pre Albumin so conditions in which TBG and protein levels alter such as pregnancy, excess estrogens, androgens, anabolic steroids and glucocorticoids may falsely affect the T3 and T4 levels and may cause false thyroid values for thyroid function tests.

2. Normal levels of T4 can also be seen in Hyperthyroid patients with :T3 Thyrotoxicosis, Decreased binding capacity due to hypoproteinemia or ingestion of certain drugs (e.g.: phenytoin , salicylates).

3. Serum T4 levels in neonates and infants are higher than values in the normal adult , due to the increased concentration of TBG in neonate serum.

4. TSH may be normal in central hypothyroidism, recent rapid correction of hyperthyroidism or hypothyroidism, pregnancy, phenytoin therapy.

TRIIODOTH	TRIIODOTHYRONINE (T3)		THYROXINE (T4)		LATING HORMONE (TSH)
Age	Refferance Range (ng/mL)	Age	Refferance Range (µg/dL)	Age	Reference Range (µIU/mL)
0-7 Days	0.20 - 2.65	0 - 7 Days	5.90 - 18.58	0 - 7 Days	2.43 - 24.3
7 Days - 3 Months	0.36 - 2.59	7 Days - 3 Months	6.39 - 17.66	7 Days - 3 Months	0.58 - 11.00
3 - 6 Months	0.51 - 2.52	3 - 6 Months	6.75 - 17.04	3 Days – 6 Months	0.70 - 8.40
6 - 12 Months	0.74 - 2.40	6 - 12 Months	7.10 - 16.16	6 – 12 Months	0.70 - 7.00





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Test Name	st Name		Value	ue Unit		Biological Reference interval
1 - 10 Years	0.92 - 2.28	1 - 10 Years	6.00 - 13.80	1 – 10 Years	0.60 - 5.50	
11- 19 Years	0.35 - 1.93	11 - 19 Years	4.87- 13.20	11 – 19 Years	0.50 - 5.50	
> 20 years (Adults)	0.35 - 1.93	> 20 Years (Adults)	4.87 - 12.60	> 20 Years (Adults)	0.35-5.50	
	RECC	MMENDATIONS OF TSH LI	EVELS DURING PRE	GNANCY (µIU/mL)		
	1st Trimester			0.10 - 2.50		
	2nd Trimester			0.20 - 3.00		
	3rd Trimester			0.30 - 4.10		

INCREASED TSH LEVELS:

1. Primary or untreated hypothyroidism may vary from 3 times to more than 100 times normal depending upon degree of hypofunction.

2. Hypothyroid patients receiving insufficient thyroid replacement therapy.

3.Hashimotos thyroiditis

4.DRUGS: Amphetamines, iodine containing agents & dopamine antagonist.

5.Neonatal period, increase in 1st 2-3 days of life due to post-natal surge

DECREASED TSH LEVELS:

1.Toxic multi-nodular goiter & Thyroiditis.

2. Over replacement of thyroid hormone in treatment of hypothyroidism.

3. Autonomously functioning Thyroid adenoma

4.Secondary pituitary or hypothalamic hypothyroidism

5. Acute psychiatric illness

6.Severe dehydration.

7.DRUGS: Glucocorticoids, Dopamine, Levodopa, T4 replacement therapy, Anti-thyroid drugs for thyrotoxicosis.

8. Pregnancy: 1st and 2nd Trimester



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Test Name		Value	Unit	Biological Reference interval	
		CLINICAL PA	THOLOGY		
	URINE R	OUTINE & MICR	DSCOPIC EXAMINA	ATION	
PHYSICAL EXAMI	NATION				
QUANTITY RECIEV		30	ml		
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY COLOUR		PALE YELLO	W	PALE YELLOW	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY					
TRANSPARANCY by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		CLEAR		CLEAR	
SPECIFIC GRAVITY		1.01 PK		1.002 - 1.030	
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY				
REACTION		ACIDIC			
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY					
PROTEIN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		NEGATIVE (-ve)	NEGATIVE (-ve)	
SUGAR		NEGATIVE (-ve)	NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY				50.75	
pH by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		6.5		5.0 - 7.5	
BILIRUBIN		NEGATIVE (-ve)	NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY NITRITE		NEGATIVE (-ve)	NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY.					
UROBILINOGEN by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		NOT DETECT	FED EU/dL	0.2 - 1.0	
KETONE BODIES		NEGATIVE (-ve)	NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY BLOOD		NEGATIVE (vo)	NEGATIVE (-ve)	
by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY					
ASCORBIC ACID by DIP STICK/REFLECTANCE SPECTROPHOTOMETRY		NEGATIVE (-ve)	NEGATIVE (-ve)	
MICROSCOPIC EX					
	(RBCs)	NEGATIVE (-ve) /HPF	0 - 3	

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NOT VALID FOR MEDICO LEGAL PURPOSE



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			8
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
PUS CELLS	3-4	/HPF	0 - 5
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
EPITHELIAL CELLS	2-3	/HPF	ABSENT
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
CRYSTALS	NEGATIVE (-ve)		NEGATIVE (-ve)
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
CASTS	NEGATIVE (-ve)		NEGATIVE (-ve)
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
BACTERIA	NEGATIVE (-ve)		NEGATIVE (-ve)
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
OTHERS	NEGATIVE (-ve)		NEGATIVE (-ve)
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			
TRICHOMONAS VAGINALIS (PROTOZOA)	ABSENT		ABSENT
by MICROSCOPY ON CENTRIFUGED URINARY SEDIMENT			

*** End Of Report



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