



	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)		(Pathology)
IAME	: Mrs. VEENA GUPTA			
GE/ GENDER	: 68 YRS/FEMALE		PATIENT ID	: 1662736
OLLECTED BY	:		REG. NO./LAB NO.	: 012411060007
EFERRED BY	:		REGISTRATION DATE	: 06/Nov/2024 07:45 AM
ARCODE NO.	: 01520195		COLLECTION DATE	: 06/Nov/2024 07:49AM
LIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 06/Nov/2024 09:02AM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB/	ALA CANTT		
Fest Name		Value	Unit	Biological Reference interval
	SWAST	HYA WEI	LINESS PANEL: 1.2	2
	COMP	LETE BLO	OOD COUNT (CBC)	
ED BLOOD CELLS	S (RBCS) COUNT AND INDICES			
IAEMOGLOBIN (H	B)	13.3	gm/dL	12.0 - 16.0
RED BLOOD CELL ((RBC) COUNT	4.66	Millions	/cmm 3.50 - 5.00
	OCUSING, ELECTRICAL IMPEDENCE	40.0	0/	27.0 50.0
ACKED CELL VOLI	UME (PCV) NUTOMATED HEMATOLOGY ANALYZER	42.3	%	37.0 - 50.0
	AR VOLUME (MCV) NUTOMATED HEMATOLOGY ANALYZER	90.8	fL	80.0 - 100.0
IEAN CORPUSCUL	AR HAEMOGLOBIN (MCH)	28.5	pg	27.0 - 34.0
AEAN CORPUSCUL	AR HEMOGLOBIN CONC. (MCHC)	31.4 ^L	g/dL	32.0 - 36.0
	UTOMATED HEMATOLOGY ANALYZER UTION WIDTH (RDW-CV)	14.1	%	11.00 - 16.00
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER			
	UTION WIDTH (RDW-SD)	47.8	fL	35.0 - 56.0
MENTZERS INDEX		19.48	RATIO	BETA THALASSEMIA TRAIT: <
by CALCULATED				13.0 IRON DEFICIENCY ANEMIA:
				>13.0
REEN & KING INI	DEX	27.43	RATIO	BETA THALASSEMIA TRAIT:<
by CALCULATED				65.0 IRON DEFICIENCY ANEMIA: >
				65.0
WHITE BLOOD CE				
OTAL LEUCOCYTE	E COUNT (TLC) Y by sf cube & microscopy	6010	/cmm	4000 - 11000
	BLOOD CELLS (nRBCS)	NIL		0.00 - 20.00
	RT HEMATOLOGY ANALYZER			
by AUTOMATED 6 PAR	BLOOD CELLS (nRBCS) %	NIL	%	< 10 %





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NAME



Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist : Mrs. VEENA GUPTA

MD (Pathology) CEO & Consultant Pathologist

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Test Name	Value	Unit	Biological Reference interval
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS by flow cytometry by sf cube & microscopy	66	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	26	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	3	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	5	%	2 - 12
BASOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	%	0 - 1
ABSOLUTE LEUKOCYTES (WBC) COUNT			
ABSOLUTE NEUTROPHIL COUNT by flow cytometry by SF cube & microscopy	3967	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	1563	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by flow cytometry by sf cube & microscopy	180	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by flow cytometry by sf cube & microscopy	300	/cmm	80 - 880
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	337000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	0.37 ^H	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	11	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by hydro dynamic focusing, electrical impedence	114000 ^H	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	33.8	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	16.1	%	15.0 - 17.0



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LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
2. An ESR can be affe as C-reactive protein	be used to monitor disease activity	flammation. For this and response to th	s reason, the ESR is ty	e body or what is causing it. pically used in conjunction with other test such bove diseases as well as some others, such as





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Page 3 of 15





		ology & Microbiology) & Consultant Pathologist	MD (F CEO & Consultant P	Pathology) Pathologist
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CLIENT ADDRESS	: 6349/1, NICHOLSON	ROAD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	C	LINICAL CHEMISTRY	//BIOCHEMISTR	RY
		GLUCOSE FAS	STING (F)	
	G (F): PLASMA	107.74 ^H	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0

IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES:

A fasting plasma glucose level below 100 mg/dl is considered normal.
 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.

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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Page 4 of 15





		hopra & Microbiology) nsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
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Test Name		Value	Unit	Biological Reference interval
		LIPID PROFI	LE : BASIC	
CHOLESTEROL TO	TAL · SFRUM	193.34	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL O		195.54	nig/ uL	BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S by GLYCEROL PHOSE	ERUM PHATE OXIDASE (ENZYMATIC)	234.34 ^H	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0
HDL CHOLESTERO by SELECTIVE INHIBIT	L (DIRECT): SERUM	51.82	mg/dL	VERY HIGH: > OR = 500.0 LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTERO by CALCULATED, SPE		94.65	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129. BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0
NON HDL CHOLES' by calculated, spe		141.52 ^H	mg/dL	VERY HIGH: > OR = 190.0 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(46.87 ^H	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SEF by CALCULATED, SPE	RUM	621.02	mg/dL	350.00 - 700.00
CHOLESTEROL/HI	DL RATIO: SERUM	3.73	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 PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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To at No.		Walas	¥1*4	
Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		1.83	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE		4.52	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.

 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.
 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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Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology) MD (Pathology & Microbiology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. VEENA GUPTA AGE/ GENDER : 68 YRS/FEMALE **PATIENT ID** :1662736 **COLLECTED BY** :012411060007 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** :06/Nov/2024 07:45 AM **BARCODE NO.** :01520195 **COLLECTION DATE** :06/Nov/2024 07:49AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :06/Nov/2024 11:11AM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Value Unit **Biological Reference interval** Test Name LIVER FUNCTION TEST (COMPLETE) BILIRUBIN TOTAL: SERUM 0.89 mg/dL INFANT: 0.20 - 8.00 by DIAZOTIZATION, SPECTROPHOTOMETRY ADULT: 0.00 - 1.20 0.00 - 0.40 BILIRUBIN DIRECT (CONJUGATED): SERUM 0.17 mg/dL by DIAZO MODIFIED, SPECTROPHOTOMETRY BILIRUBIN INDIRECT (UNCONJUGATED): SERUM 0.72 mg/dL 0.10 - 1.00 by CALCULATED, SPECTROPHOTOMETRY 7.00 - 45.00 SGOT/AST: SERUM 21.5 U/L by IFCC, WITHOUT PYRIDOXAL PHOSPHATE SGPT/ALT: SERUM 18.2 U/L 0.00 - 49.00 by IFCC, WITHOUT PYRIDOXAL PHOSPHATE AST/ALT RATIO: SERUM 1.18 RATIO 0.00 - 46.00 by CALCULATED, SPECTROPHOTOMETRY ALKALINE PHOSPHATASE: SERUM 98.63 U/L 40.0 - 130.0 by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM 12.19 U/L 0.00 - 55.0

by SZASZ, SPECTROPHTOMETRY TOTAL PROTEINS: SERUM 7.31 gm/dL 6.20 - 8.00 by BIURET, SPECTROPHOTOMETRY ALBUMIN: SERUM 4.12gm/dL 3.50 - 5.50 by BROMOCRESOL GREEN 3.19 2.30 - 3.50 **GLOBULIN: SERUM** gm/dL by CALCULATED, SPECTROPHOTOMETRY A : G RATIO: SERUM 1.29 RATIO 1.00 - 2.00 by CALCULATED, SPECTROPHOTOMETRY

INTERPRETATION

NOTE: To be correlated in individuals having SGOT and SGPT values higher than Normal Reference 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).

PROGNOSTIC SIGNIFICANCE:	

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 interval
	KIDNE	Y FUNCTIO	N TEST (COMPLETE)	
UREA: SERUM		39.94	mg/dL	10.00 - 50.00
by UREASE - GLUTAMATE DEHYDROGENASE (GLDH) CREATININE: SERUM		1.14	mg/dL	0.40 - 1.20
by ENZYMATIC, SPEC				
BLOOD UREA NITR by CALCULATED, SPE	COGEN (BUN): SERUM	18.66	mg/dL	7.0 - 25.0
BLOOD UREA NITE	ROGEN (BUN)/CREATININE	16.37	RATIO	10.0 - 20.0
RATIO: SERUM by CALCULATED, SPE	ECTROPHOTOMETRY			
UREA/CREATININ	E RATIO: SERUM	35.04	RATIO	
by CALCULATED, SPE URIC ACID: SERUM		3.48	mg/dL	2.50 - 6.80
by URICASE - OXIDAS			_	
CALCIUM: SERUM by ARSENAZO III, SPE	CTROPHOTOMETRY	10.37	mg/dL	8.50 - 10.60
PHOSPHOROUS: SE	ERUM	3.15	mg/dL	2.30 - 4.70
by PHOSPHOMOLYBE <u> ELECTROLYTES</u>	DATE, SPECTROPHOTOMETRY			
SODIUM: SERUM		144.3	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV	'E ELECTRODE)	144.5	IIIII01/ L	135.0 - 150.0
POTASSIUM: SERU		5.16 ^H	mmol/L	3.50 - 5.00
CHLORIDE: SERUM		108.23	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV	,			
	IERULAR FILTERATION RATE	E9 4		
estimated glom (eGFR): SERUM	ERULAR FILTERATION RATE	52.4		
by CALCULATED				

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.



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 Certain drugs (e.g. NCREASED RATIO (>2 . Postrenal azotemia Prerenal azotemia 	(e.g. ureter colostomy) ass (subnormal creatinine produ tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININE (BUN rises disproportionately m superimposed on renal disease. 10:1) WITH DECREASED BUN :		e uropathy).		
 Certain drugs (e.g., NCREASED RATIO (>2 Postrenal azotemia Prerenal azotemia Perenal azotemia CECREASED RATIO (<1 Acute tubular necr Low protein diet ar Severe liver disease Other causes of de Repeated dialysis (SIADH (syndrome c Pregnancy. PECREASED RATIO (<1 Phenacimide thera Rabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido cephalosporin ther STIMATED GLOMERL CKD STAGE 	ass (subnormal creatinine produ tetracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININE (BUN rises disproportionately m superimposed on renal disease. (0:1) WITH DECREASED BUN : osis. nd starvation. e. creased urea synthesis. urea rather than creatinine diffu monemias (urea is virtually abse of inappropiate antidiuretic harm (0:1) WITH INCREASED CREATININ py (accelerates conversion of cree eleases muscle creatinine). who develop renal failure. : sis (acetoacetate causes false into creased BUN/creatinine ratio). apy (interferes with creatinine m ULAR FILTERATION RATE: <u>DESCRIPTION</u> Normal kidney funct	LEVELS: nore than creatinine) (e.g. obstructive ases out of extracellular fluid). nt in blood). one) due to tubular secretion of urea IE: atine to creatinine). crease in creatinine). crease in creatinine with certain met measurement).	h. hodologies,resulting in normal ratio when dehy ASSOCIATED FINDINGS No proteinuria	ydratio	
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DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS , MD (PATHOLOGY)









	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Patholog		(Pathology)
NAME	: Mrs. VEENA GUPTA		
AGE/ GENDER	: 68 YRS/FEMALE	PATIENT ID	: 1662736
COLLECTED BY	:	REG. NO./LAB NO.	: 012411060007
REFERRED BY	:	REGISTRATION DATE	: 06/Nov/2024 07:45 AM
BARCODE NO.	: 01520195	COLLECTION DATE	: 06/Nov/2024 07:49AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 06/Nov/2024 02:09PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANT	Т	
Test Name	Value	Unit	Biological Reference interval

COMMENTS:

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.
 eGFR calculated using the 2009 CKD-EPI creatinine equation and GFR category reported as per KDIGO guideline 2012
 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 of CFD with the commended to measure

3. In patients, with eGFR cleaning between 45-59 minimit 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 fulfill 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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NAME	: Mrs. VEENA GUPTA			
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BARCODE NO.	: 01520195		COLLECTION DATE	:06/Nov/202407:49AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	:06/Nov/2024 11:11AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interva
		ENDOC	RINOLOGY	
	THY	ROID FUNC	TION TEST: TOTA	L
TRIIODOTHYRONII	NE (T3): SERUM	0.832 SAY)	ng/m	L 0.35 - 1.93
THYROXINE (T4): S by CMIA (CHEMILUMIN	ERUM ESCENT MICROPARTICLE IMMUNOAS	6.85 SAY)	µgm/	dL 4.87 - 12.60
	TING HORMONE (TSH): SERUI		µIU/n	nL 0.35 - 5.50
3rd GENERATION, ULT INTERPRETATION:				
day has influence on the triiodothyronine (T3).Fai	measured serum TSH concentrations. TSH	I stimulates the pr	oduction and secretion of th	10 pm. The variation is of the order of 50%.Hence time of e metabolically active hormones, thyroxine (T4)and either underproduction (hypothyroidism) or
CLINICAL CONDITION	T3		T4	TSH
Primary Hypothyroidis			Reduced	Increased (Significantly)
Subclinical Hypothyroi	dism: Normal or Low N	lormal	Normal or Low Normal	High

11	МЛІТ	ЪΤ	IUV	15

Primary Hyperthyroidism:

Subclinical Hyperthyroidism:

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.

Increased

Normal or High Normal

Reduced (at times undetectable)

Reduced

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.

TRIIODOTHYRONINE (T3)		THYROX	(INE (T4)	THYROID STIMULATING 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	

Increased

Normal or High Normal





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Test Name		Value		t	Biological Reference interva	
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	
	RECON	IMENDATIONS OF TSH LE	VELS 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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REFERRED BY :		RE	GISTRATION DATE	: 06/Nov/2024 07:45 AM
	01520195		LLECTION DATE	: 06/Nov/2024 07:49AM
	KOS DIAGNOSTIC LAB 3349/1, NICHOLSON ROAD, A		PORTING DATE	: 06/Nov/2024 09:59AM
Test Name		Value	Unit	Biological Reference interval
		CLINICAL PA	THOLOGY	
	URINE RO	UTINE & MICRO	SCOPIC EXAMINA	ATION
PHYSICAL EXAMINAT	ION			
QUANTITY RECIEVED	CE SPECTROPHOTOMETRY	10	ml	
COLOUR		PALE YELLO	w	PALE YELLOW
by DIP STICK/REFLECTANC TRANSPARANCY	CE SPECTROPHOTOMETRY	HAZY		CLEAR
by DIP STICK/REFLECTANC	CE SPECTROPHOTOMETRY			
SPECIFIC GRAVITY by DIP STICK/REFLECTANC	CE SPECTROPHOTOMETRY	1.02		1.002 - 1.030
CHEMICAL EXAMINAT	<u>rion</u>			
REACTION by DIP STICK/REFLECTANC	CE SPECTROPHOTOMETRY	ACIDIC		
PROTEIN	CE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
SUGAR		Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANC	CE SPECTROPHOTOMETRY	5.5		5.0 - 7.5
by DIP STICK/REFLECTANCE BILIRUBIN	CE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
by DIP STICK/REFLECTANC	CE SPECTROPHOTOMETRY			
NITRITE by DIP STICK/REFLECTANC	CE SPECTROPHOTOMETRY.	Negative		NEGATIVE (-ve)
UROBILINOGEN	CE SPECTROPHOTOMETRY	Normal	EU/dL	0.2 - 1.0
KETONE BODIES	CE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
BLOOD		Negative		NEGATIVE (-ve)
ASCORBIC ACID	CE SPECTROPHOTOMETRY CE SPECTROPHOTOMETRY NATION	NEGATIVE (-	ve)	NEGATIVE (-ve)
RED BLOOD CELLS (RE		NEGATIVE (-	ve) /HPF	0 - 3



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AI	MBALA CANT'	Г		
Test Name		Value	Unit	Biological Reference interval	
by MICROSCOPY ON C	CENTRIFUGED URINARY SEDIMENT				
PUS CELLS	CENTRIFLIGED URINARY SEDIMENT	12-15	/HPF	0 - 5	

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

** End Of Report ***



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