





	Dr. Vinay Chopra MD (Pathology & Micr Chairman & Consultar	obiology)	Dr. Yugam MD (CEO & Consultant	Pathology)
NAME	: Mrs. ASHA			
AGE/ GENDER	: 46 YRS/FEMALE	PA	ATIENT ID	: 1701344
COLLECTED BY	:	R	EG. NO./LAB NO.	:042412170003
REFERRED BY	: JEEVAN JYOTI HOSPITAL (SHAHB	AD) R I	EGISTRATION DATE	: 17/Dec/2024 12:42 PM
BARCODE NO.	: A1260127		DLLECTION DATE	: 17/Dec/2024 03:52PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD		EPORTING DATE	: 17/Dec/2024 04:17PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB/	ALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	SWASTI	HYA WELI	NESS PANEL: 1.2	
	COMP	LETE BLOO	DD COUNT (CBC)	
RED BLOOD CELLS	S (RBCS) COUNT AND INDICES			
HAEMOGLOBIN (H	B)	12	gm/dL	12.0 - 16.0
by CALORIMETRIC RED BLOOD CELL (RBC) COUNT	5.1 ^H	Millions/o	cmm 3.50 - 5.00
by HYDRO DYNAMIC F	OCUSING, ELECTRICAL IMPEDENCE			
PACKED CELL VOLI	UME (PCV) UTOMATED HEMATOLOGY ANALYZER	40.6	%	37.0 - 50.0
	AR VOLUME (MCV)	79.6 ^L	fL	80.0 - 100.0
	UTOMATED HEMATOLOGY ANALYZER AR HAEMOGLOBIN (MCH)	23.5 ^L	pg	27.0 - 34.0
-	UTOMATED HEMATOLOGY ANALYZER AR HEMOGLOBIN CONC. (MCHC)			22.0.26.0
	UTOMATED HEMATOLOGY ANALYZER	29.5 ^L	g/dL	32.0 - 36.0
	UTION WIDTH (RDW-CV) UTOMATED HEMATOLOGY ANALYZER	20 ^H	%	11.00 - 16.00
RED CELL DISTRIB	UTION WIDTH (RDW-SD)	59 ^H	fL	35.0 - 56.0
by CALCULATED BY A MENTZERS INDEX	UTOMATED HEMATOLOGY ANALYZER	15.61	RATIO	BETA THALASSEMIA TRAIT: <
by CALCULATED		10.01	101110	13.0
				IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INI	DEX	31.18	RATIO	BETA THALASSEMIA TRAIT:<=
by CALCULATED				65.0 IDON DEFICIENCY ANEMIA
				IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CE	LLS (WBCS)			
		7190	/cmm	4000 - 11000
TOTAL LEUCOCYTE	V BV SE CHBE & MICRASCADV			0.00 - 20.00
TOTAL LEUCOCYTE by flow cytometry NUCLEATED RED E	BLOOD CELLS (nRBCS)	NIL		0.00 - 20.00
TOTAL LEUCOCYTE by flow cytometry NUCLEATED RED E by AUTOMATED 6 PAR		NIL NIL	%	< 10 %





DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS , MD (PATHOLOGY)

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



NAME



Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist Mrs. ASHA

Dr. Yugam Chopra 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	68	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	23	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	4	%	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	4889	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	1654	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	288	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	360	/cmm	80 - 880
ABSOLUTE BASOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	/cmm	0 - 110
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by hydro dynamic focusing, electrical impedence	320000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by hydro dynamic focusing, electrical impedence	0.43 ^H	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	13 ^H	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by hydro dynamic focusing, electrical impedence	163000 ^H	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by hydro dynamic focusing, electrical impedence	51.1 ^H	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	15.8	%	15.0 - 17.0





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Test Name	Value	Unit	Biological Reference interval



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Test Name		Value	Unit	Biological Reference interval
is C-reactive protein	3		3	pically used in conjunction with other test such bove diseases as well as some others, such as





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CLIENT CODE.	: KOS DIAGNOSTIC SHAHBA	D Rei	PORTING DATE	: 17/Dec/2024 05:46PM	
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Test Name		Value	Unit	Biological Reference interval	
	CLINI	ICAL CHEMISTR	Y/BIOCHEMISTR	Y	
		GLUCOSE FA	STING (F)		
GLUCOSE FASTING	G (F): PLASMA SE - PEROXIDASE (GOD-POD)	151.02 ^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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		hopra & Microbiology) onsultant Pathologis	M	m Chopra D (Pathology) nt Pathologist
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mrs. ASHA : 46 YRS/FEMALE : : JEEVAN JYOTI HOSPITAL (S : A1260126 : KOS DIAGNOSTIC SHAHBA : 6349/1, NICHOLSON ROAI	D	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1701344 : 042412170003 : 17/Dec/2024 12:42 PM : 17/Dec/2024 03:53PM : 17/Dec/2024 05:46PM
Test Name		Value	Unit	Biological Reference interval
			OFILE : BASIC	
CHOLESTEROL TOT by CHOLESTEROL OX		219.51 ^H	mg/dL	OPTIMAL: < 200.0 BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: SI by GLYCEROL PHOSP	ERUM HATE OXIDASE (ENZYMATIC)	146.48	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0 VERY HIGH: > OR = 500.0
HDL CHOLESTEROI by SELECTIVE INHIBIT	L (DIRECT): SERUM Ion	58.23	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0
LDL CHOLESTEROI by CALCULATED, SPE		131.98 ^H	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLEST by CALCULATED, SPE		161.28 ^H	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159.0 BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTERC by CALCULATED, SPE	CTROPHOTOMETRY	29.3	mg/dL	0.00 - 45.00
TOTAL LIPIDS: SER by CALCULATED, SPE		585.5	mg/dL	350.00 - 700.00
CHOLESTEROL/HD by CALCULATED, SPE		3.77	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: S by CALCULATED, SPE		2.27	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE	IDL RATIO: SERUM	2.52 ^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.

 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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Test Name		Value	Unit	Biological Reference interval
	LIVER	FUNCTION T	EST (COMPLETE)	
BILIRUBIN TOTAL		0.68	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.16	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE	CT (UNCONJUGATED): SERUM	0.52	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	21.6	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	19	U/L	0.00 - 49.00
AST/ALT RATIO: S	ERUM	1.14	RATIO	0.00 - 46.00
ALKALINE PHOSPH		92.1	U/L	40.0 - 130.0
GAMMA GLUTAMY	L TRANSFERASE (GGT): SERUM	29.46	U/L	0.00 - 55.0

Vinav

INCREASED:

by SZASZ, SPECTROPHTOMETRY TOTAL PROTEINS: SERUM

by BIURET, SPECTROPHOTOMETRY

by CALCULATED, SPECTROPHOTOMETRY

by CALCULATED, SPECTROPHOTOMETRY

ALBUMIN: SERUM

A : G RATIO: SERUM

INTERPRETATION

by BROMOCRESOL GREEN GLOBULIN: SERUM

> 2
> 2 (Highly Suggestive)
1.4 - 2.0
> 1.5
> 1.3 (Slightly Increased)

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

7.74

4.03

3.71^H

1.09

gm/dL

gm/dL

gm/dL

RATIO

6.20 - 8.00

3.50 - 5.50

2.30 - 3.50

1.00 - 2.00





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

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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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	KIDN	EY FUNCTIO)N TEST (COMPLETE)	
UREA: SERUM	/ATE DEHYDROGENASE (GLDH)	15.33	mg/dL	10.00 - 50.00
CREATININE: SER	UM	0.93	mg/dL	0.40 - 1.20
by ENZYMATIC, SPEC	CTROPHOTOMETERY ROGEN (BUN): SERUM	7.16	mg/dL	7.0 - 25.0
	ECTROPHOTOMETRY	7.10	iiig/ uL	7.0 - 23.0
	ROGEN (BUN)/CREATININE	7.7 ^L	RATIO	10.0 - 20.0
RATIO: SERUM	ECTROPHOTOMETRY			
UREA/CREATININ		16.48	RATIO	
	ECTROPHOTOMETRY	5.5	II./ JI	250 690
URIC ACID: SERUN by URICASE - OXIDAS		5.5	mg/dL	2.50 - 6.80
CALCIUM: SERUM		10.58	mg/dL	8.50 - 10.60
PHOSPHOROUS: SI	ECTROPHOTOMETRY FRUM	3.95	mg/dL	2.30 - 4.70
by PHOSPHOMOLYB	DATE, SPECTROPHOTOMETRY	0.00	ing, di	2.00 1.10
ELECTROLYTES				
SODIUM: SERUM by ISE (ION SELECTIN		137.9	mmol/L	135.0 - 150.0
POTASSIUM: SERU		3.95	mmol/L	3.50 - 5.00
by ISE (ION SELECTIN		100.10	1 (7	
CHLORIDE: SERUN by ISE (ION SELECTIN		103.43	mmol/L	90.0 - 110.0
	MERULAR FILTERATION RATE			
ESTIMATED GLOM (eGFR): SERUM by CALCULATED	IERULAR FILTERATION RATE	76.8		

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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Fest Name			Value		Unit	Biolog	ical Reference int	erval
5. Excess protein inta burns, surgery, cache 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. NCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1 1. Acute tubular nec	kia, high fever) (e.g. ureter co ass (subnorma tetracycline, g D:1) WITH ELEV (BUN rises dis superimposed D:1) WITH DEC osis.	ostomy) I creatinine productio ucocorticoids) ATED CREATININE LE proportionately more on renal disease.	on) /ELS:				rome, high protein	diet,
burns, surgery, cache 7. Urine reabsorption 3. Reduced muscle m 4. Certain drugs (e.g. NCREASED RATIO (>2 1. Postrenal azotemia DECREASED RATIO (>1 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome c 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERL G1 G2	kia, high fever) (e.g. ureter co ass (subnorma tetracycline, g D:1) WITH ELEV (BUN rises dis superimposed D:1) WITH DEC osis. d starvation. creased urea s urea rather the nonemias (urea f inappropiate D:1) WITH INCI oy (accelerates eleases muscle who develop r sis (acetoaceta sreased BUN/co apy (interferes LAR FILTERATIO	ostomy) I creatinine productio ucocorticoids) ATED CREATININE LE proportionately more on renal disease. REASED BUN : An creatinine diffuses an creatinine diffuses a is virtually absent i antidiuretic harmone REASED CREATININE: conversion of creati creatinine). enal failure. te causes false increat creatinine ratio). with creatinine meas DI RATE: DESCRIPTION rmal kidney function idney damage with normal or high GFR	on) /ELS: e than creatini e than creatini blood). e) due to tubul me to creatinin ase in creatinin surement). GFR (m	ne) (e.g. obstr ellular fluid). lar secretion o ne). ne with certai <u>nL/min/1.73m</u> >90 >90	f urea.	thy).	rmal ratio when del	
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DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS , MD (PATHOLOGY)









	Dr. Vinay Chopra MD (Pathology & Microbiolog Chairman & Consultant Pathol		(Pathology)
NAME	: Mrs. ASHA		
AGE/ GENDER	: 46 YRS/FEMALE	PATIENT ID	: 1701344
COLLECTED BY	:	REG. NO./LAB NO.	: 042412170003
REFERRED BY	: JEEVAN JYOTI HOSPITAL (SHAHBAD)	REGISTRATION DATE	: 17/Dec/2024 12:42 PM
BARCODE NO.	: A1260126	COLLECTION DATE	:17/Dec/2024 03:53PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD	REPORTING DATE	: 17/Dec/2024 05:46PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CAI	NTT	
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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DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST

MBBS, MD (PATHOLOGY)







	MD (Patholog	Dr. Vinay Chopra 1D (Pathology & Microbiology) Chairman & Consultant Pathologist Dr. Yugam Cho MD (Pathology) CEO & Consultant Pathologist			
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Test Name		Value	Unit	Biological Refe	rence interval
	1		CRINOLOGY CTION TEST: TOTA	L	
TRIIODOTHYRONI	NE (T3): SERUM	0.75 DASSAY)	ng/ml	0.35 - 1.93	
THYROXINE (T4): S		6.69	μgm/o	4.87 - 12.60	
	TING HORMONE (TSH): SE ESCENT MICROPARTICLE IMMUN RASENSITIVE		µIU/n	nL 0.35 - 5.50	
day has influence on the	measured serum TSH concentrations lure at any level of regulation of the	. TSH stimulates the	production and secretion of the	0 pm. The variation is of the order of 5 e metabolically active hormones, thyr ither underproduction (hypothyroidis	oxine (T4)and
CLINICAL CONDITION	Т3		T4	TSH	
Primary Hypothyroidis			Reduced	Increased (Significantly)	-
Subclinical Hypothyroi	dism: Normal or L	ow ivormal	Normal or Low Normal	High	

LIMITATIONS:-

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.

TRIIODOTH	TRIIODOTHYRONINE (T3)		THYROXINE (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 PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





	Dr. Vinay Chopra MD (Pathology & Microbiol Chairman & Consultant Pat	ogy) M	am Chopra ID (Pathology) ant Pathologist
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Tost Nama	Val	uo Unit	Biological Deferor

Test Name			Value	ie Unit		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 L	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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BARCODE NO.	: A1260128		COLLECTION DATE	: 17/Dec/2024 03:57PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBAD		REPORTING DATE	: 17/Dec/2024 04:05PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
PHYSICAL EXAMIN			PATHOLOGY ROSCOPIC EXAMINA	ATION
QUANTITY RECIEV		10	ml	
,	TANCE SPECTROPHOTOMETRY			
COLOUR by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	PALE YEL	LOW	PALE YELLOW
TRANSPARANCY	TANCE SPECTROPHOTOMETRY	CLEAR		CLEAR
SPECIFIC GRAVITY		1.02		1.002 - 1.030
by DIP STICK/REFLEC CHEMICAL EXAMI	TANCE SPECTROPHOTOMETRY NATION			
REACTION		ACIDIC		
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
	TANCE SPECTROPHOTOMETRY			
SUGAR by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
рН		6		5.0 - 7.5
BILIRUBIN	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC NITRITE	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY.	U		
UROBILINOGEN by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	Normal	EU/dL	0.2 - 1.0
KETONE BODIES	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)
BLOOD		Negative		NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY	NEGATIVE	C (-ve)	NEGATIVE (-ve)
by DIP STICK/REFLEC	TANCE SPECTROPHOTOMETRY			
MICROSCOPIC EXA RED BLOOD CELLS		NEGATIVE	E (-ve) /HPF	0 - 3



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Test Name	Value	Unit	Biological Reference interval

1-3	/HPF	0 - 5
2-4	/HPF	ABSENT
NEGATIVE (-ve)		NEGATIVE (-ve)
ABSENT		ABSENT
	2-4 NEGATIVE (-ve) NEGATIVE (-ve) NEGATIVE (-ve)	2-4 /HPF NEGATIVE (-ve) NEGATIVE (-ve) NEGATIVE (-ve) NEGATIVE (-ve)

** End Of Report ***





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