



	Dr. Vinay Chc MD (Pathology & Chairman & Cons	Microbiology)		(Pathology)
NAME	: Mrs. MANSI AGGARWAL			
AGE/ GENDER	: 24 YRS/FEMALE		PATIENT ID	: 1723197
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012501130046
REFERRED BY	:		REGISTRATION DATE	: 13/Jan/2025 06:16 PM
BARCODE NO.	: 01523837		COLLECTION DATE	: 13/Jan/2025 06:25PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 13/Jan/2025 08:11PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLINICA		TRY/BIOCHEMIST GPT PROFILE	'nY
SGOT/AST: SERUM	RIDOXAL PHOSPHATE	11.4	U/L	7.00 - 45.00
SGPT/ALT: SERUM		11.2	U/L	0.00 - 49.00
SGOT/SGPT RATIO		1.02		
<u>INTERPRETATION</u> NOTE:- To be correlat USE:- Differential dia	ed in individuals having SGOT and gnosis of diseases of hepatobiliar	SGPT values hig y system and p	her than Normal Referance ancreas.	Range.
INCREASED:-				
DRUG HEPATOTOXI	CITY		> 2	
ALCOHOLIC HEPATI			> 2 (Highly Sugges	stive)
CIRRHOSIS			1.4 - 2.0	
INTRAHEPATIC CHO			> 1.5	
HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS		> 1.3 (Slightly Inc	reased)

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 PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





		Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist	
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Test Name		Va	lue	Unit	Biological Reference interva
		EN	DOCRINOLO	GY	
		THYROID	FUNCTION TE	ST: TOTAL	
TRIIODOTHYRONINE (T3): SERUM by CMIA (CHEMILUMINESCENT MICROPARTICLE IMMUNOASSAY)			964	ng/mL	0.35 - 1.93
THYROXINE (T4): SERUM by CMIA (CHEMILUMINESCENT MICROPARTICLE IMMUNOASSAY)			33	µgm/d	L 4.87 - 12.60
THYROID STIMULA			618	µIU/m	L 0.35 - 5.50
by CMIA (CHEMILUMIN 3rd GENERATION, ULT		RTICLE IMMUNOASSAY)			
INTERPRETATION:					
day has influence on the I	<i>measured serum TS</i> i lure at any level of	<i>H concentrations</i> . TSH stimulate regulation of the hypothalamic	es the production and	secretion of the	<i>pm. The variation is of the order of 50%.Hence time of</i> metabolically active hormones, thyroxine (T4)and her underproduction (hypothyroidism) or
CLINICAL CONDITION		T3	T4		TSH
Primary Hypothyroidis	m:	Reduced	Reduced		Increased (Significantly)
Subclinical Hypothyroi	dism:	Normal or Low Normal	Normal or Lo	v 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.

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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CLIENT ADDRESS	S : 6349/1,	NICHOLSON ROAD,	AMBALA CANTT			
Test Name			Value	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 10 Voars	0 25 1 02	11 10 Voars	1 97 12 20	11 - 19 Years	0 50 - 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		
RECOMMENDATIONS OF TSH LEVELS DURING PREGNANCY (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

*** End Of Report ***





DR.VINAY CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY) V DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS , MD (PATHOLOGY)

