



	Dr. Vinay Chop MD (Pathology & Mi Chairman & Consult	Microbiology) MD (Pathology)			
NAME	: Mrs. SEEMA				
AGE/ GENDER	: 52 YRS/FEMALE		PATIENT ID	: 1675846	
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012411190018	
REFERRED BY	:		REGISTRATION DATE	: 19/Nov/2024 09:27 AM	
BARCODE NO.	: 01521070	С		: 19/Nov/2024 09:59AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 19/Nov/2024 11:18AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM				
Test Name		Value	Unit	Biological Reference interva	
			STRY/BIOCHEMIST N TEST (COMPLETE)	ĸy	
BILIRUBIN TOTAL: by DIAZOTIZATION, SP	: SERUM PECTROPHOTOMETRY	0.61	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20	
	C (CONJUGATED): SERUM	0.13	mg/dL	0.00 - 0.40	
BILIRUBIN INDIRE	CT (UNCONJUGATED): SERUM	0.48	mg/dL	0.10 - 1.00	
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	19.5	U/L	7.00 - 45.00	
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	12.5	U/L	0.00 - 49.00	
AST/ALT RATIO: SI by CALCULATED, SPE	CTROPHOTOMETRY	1.56	RATIO	0.00 - 46.00	
ALKALINE PHOSPE by PARA NITROPHEN PROPANOL	HATASE: SERUM yl phosphatase by amino methyl	113.95	U/L	40.0 - 130.0	
GAMMA GLUTAMY by SZASZ, SPECTROF	L TRANSFERASE (GGT): SERUM PHTOMETRY	39.8	U/L	0.00 - 55.0	
TOTAL PROTEINS: by BIURET, SPECTRO		6.92	gm/dL	6.20 - 8.00	
ALBUMIN: SERUM by BROMOCRESOL G	REEN	4.13	gm/dL	3.50 - 5.50	
GLOBULIN: SERUM by CALCULATED, SPE		2.79	gm/dL	2.30 - 3.50	
A : G RATIO: SERUM by CALCULATED, SPE INTERPRETATION		1.48	RATIO	1.00 - 2.00	

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:

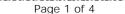
DRUG HEPATOTOXICITY	>2
ALCOHOLIC HEPATITIS	> 2 (Highly Suggestive)
CIRRHOSIS	1.4 - 2.0
INTRAHEPATIC CHOLESTATIS	> 1.5



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

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











NAME	Chairman & Consultar : Mrs. SEEMA	nt Pathologist CEO & Consultar	nt Pathologist
AGE/ GENDER	: 52 YRS/FEMALE	PATIENT ID	: 1675846
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	0
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Increased)
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



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

 KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana

 KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana

 0171-2643898, +91 99910 43898
 care@koshealthcare.com

 www.koshealthcare.com
 www.koshealthcare.com



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		Lhopra v & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)	
NAME	: Mrs. SEEMA				
AGE/ GENDER	: 52 YRS/FEMALE	PAT	ENT ID	: 1675846	
COLLECTED BY	: SURJESH	REG.	NO./LAB NO.	:012411190018	
REFERRED BY	:	REG	STRATION DATE	: 19/Nov/2024 09:27 AM	
BARCODE NO.	: 01521070	COLL	ECTION DATE	: 19/Nov/2024 09:59AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	DRTING DATE	: 19/Nov/2024 12:18PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT			
Test Name		Value	Unit	Biological Refer	rence interval
	1	ENDOCRIN HYROID FUNCTION			
TRIIODOTHYRONI	NE (T3): SERUM iescent microparticle immund	0.713 DASSAY)	ng/mL	0.35 - 1.93	
THYROXINE (T4): S		5.88	µgm/dL	4.87 - 12.60	
	TING HORMONE (TSH): SE iescent microparticle immung rasensitive		µIU/mL	0.35 - 5.50	
INTERPRETATION:					
day has influence on the triiodothyronine (T3).Fai	circadian variation, reaching peak lew measured serum TSH concentrations. lure at any level of regulation of the rroidism) of T4 and/or T3.	TSH stimulates the production	n and secretion of the me	etabolically active hormones, thyro	oxine (T4)and
CLINICAL CONDITION	T3	Т		TSH	
Primary Hypothyroidis	m: Reduced	Red	luced In	creased (Significantly)	

CLINICAL CONDITION	T3	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:-

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT

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.

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





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

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







EXCELLENCE IN HEALTHCARE & DIAGNOSTICS	
Dr Yugam Chopra	

Chairman & Consultant Pathologist CEO & Consultant Pathologist				
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Test Name			Value	Unit	t	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		
	RECON	IMENDATIONS OF TSHI	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.

Dr. Vinay Chopra

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

