

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



		Chopra v & Microbiology) onsultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
JAME	: Mrs. MEENAKSHI AGGAR	WAL		
GE/ GENDER	: 36 YRS/FEMALE	P	ATIENT ID	: 1620282
COLLECTED BY	: SURJESH	R	EG. NO./LAB NO.	: 012409210046
REFERRED BY	: CENTRAL PHOENIX CLUB	(AMBALA CANTT) R	EGISTRATION DATE	: 21/Sep/2024 11:36 AM
BARCODE NO.	:01517412	C	OLLECTION DATE	: 21/Sep/2024 11:46AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	R	EPORTING DATE	: 21/Sep/2024 12:54PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLU		RY/BIOCHEMISTR	v
	CLI			
		URIC		
JRIC ACID: SERUM by URICASE - OXIDAS		4.68	mg/dL	2.50 - 6.80
 Alcohol ingestion. Thiazide diuretics. Lactic acidosis. Aspirin ingestion (le 5. Diabetic ketoacido: 6. Renal failure due to DECREASED:- MUE TO DIETARY E 1. Dietary deficiency of 2. Fanconi syndrome Multiple sclerosis. Syndrome of inappr 	D EXCREATION (BY KIDNEYS) ess than 2 grams per day). sis or starvation. any cause etc. DEFICIENCY of Zinc, Iron and molybdenum. & Wilsons disease. ropriate antidiuretic hormone	(SIADH) secretion & lc	w purine diet etc.	
(B).DUE TO INCREASE	DEXCREATION			ds and ACTH, anti-coagulants and estrogens

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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

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

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	Dr. Vinay Chc MD (Pathology & I Chairman & Const	Microbiology)		(Pathology)	
NAME	: Mrs. MEENAKSHI AGGARWA	L			
AGE/ GENDER	: 36 YRS/FEMALE	FEMALE PATIENT ID		: 1620282	
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Test Name		Value	Unit	Biological Reference interval	
		ENDOC	RINOLOGY		
	Т		RINOLOGY		
TRIIODOTHYRONIN		HYROID FUN 0.986		0.35 - 1.93	
by CMIA (CHEMILUMII THYROXINE (T4): SE	E (T3): SERUM <i>iescent microparticle immunoas</i> : RUM	HYROID FUN 0.986 5 <i>AY</i>) 7.13	CTION TEST: TOTAL	0.35 - 1.93 4.87 - 12.60	
by CMIA (CHEMILUMII THYROXINE (T4): SE by CMIA (CHEMILUMII	E (T3): SERUM IESCENT MICROPARTICLE IMMUNOAS RUM IESCENT MICROPARTICLE IMMUNOAS	HYROID FUNG 0.986 5AY) 7.13 5AY)	CTION TEST: TOTAL ng/mL µgm/dL	4.87 - 12.60	
by CMIA (CHEMILUMII THYROXINE (T4): SE by CMIA (CHEMILUMII THYROID STIMULAT	E (T3): SERUM <i>iescent microparticle immunoas:</i> RUM <i>iescent microparticle immunoas:</i> ING HORMONE (TSH): SERUM	HYROID FUNG 0.986 547) 7.13 547) 1.506	CTION TEST: TOTAL ng/mL		
by CMIA (CHEMILUMI THYROXINE (T4): SE by CMIA (CHEMILUMI THYROID STIMULAT	E (T3): SERUM IESCENT MICROPARTICLE IMMUNOASS RUM IESCENT MICROPARTICLE IMMUNOASS ING HORMONE (TSH): SERUM IESCENT MICROPARTICLE IMMUNOASS	HYROID FUNG 0.986 547) 7.13 547) 1.506	CTION TEST: TOTAL ng/mL µgm/dL	4.87 - 12.60	

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 (eg: phenytoin , salicylates).

3. Serum T4 levles 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 hypothroidism, 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





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Dr. Vinay Chopra

MD (Pathology & Microbiology)



Dr. Yugam Chopra

MD (Pathology)

Chairman & Consultant Pathologist CEO & Consultant Pathologist						
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Test Name	Value	Unit	Biological Reference interval			

rest mame			value	Unit		Biological Reference Interv
6 - 12 Months	0.74 - 2.40	6 - 12 Months	7.10 - 16.16	6 – 12 Months	0.70 - 7.00	
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	
	RECOM	MENDATIONS OF TSH LE	EVELS DURING PREG	NANCY (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, idonie 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 goitre & Thyroiditis.

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

3. Autonomously functioning Thyroid adenoma

4. Secondary pituatary or hypothalmic 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 **





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