

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	BIQS	ACCREDITED (A Unit of I	NOS Healthcare)	EXCELLENCE IN HEALTHCARE		
		Dr. Vinay Ch MD (Pathology & Chairman & Cor	n opra & Microbiology) hsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)	
	NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mrs. RENU SHARMA : 52 YRS/FEMALE : : : 01525386 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD,	RE RE CO RE	TIENT ID G. NO./LAB NO. GISTRATION DATE LLECTION DATE PORTING DATE	: 1754085 : 012502120038 : 12/Feb/2025 11:03 AM : 12/Feb/2025 11:05AM : 12/Feb/2025 01:11PM	
F	Test Name		Value	Unit	Biological Reference interval	
	LDL CHOLESTEROL	LOW DENSITY I (DIRECT): SERUM		Y/BIOCHEMIST DL) CHOLESTERC mg/dL		
					HIGH RISK CHD: > 160.0	
		DR.VINAY CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICRO	DBIOLOGY) MBBS , MD	CHOPRA NT PATHOLOGIST (PATHOLOGY)		

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	MD (Patholog	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		I m Chopra ID (Pathology) ant Pathologist	
NAME	: Mrs. RENU SHARMA				
AGE/ GENDER	: 52 YRS/FEMALE		PATIENT ID	: 1754085	
COLLECTED BY	:		REG. NO./LAB NO.	:012502120038	
REFERRED BY	:		REGISTRATION DATE	: 12/Feb/2025 11:03 AM	
BARCODE NO.	:01525386		COLLECTION DATE	: 12/Feb/2025 11:05AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 12/Feb/2025 12:31PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTI	r		
Test Name		Value	Unit	Biological Reference	interval
		ENDOC	RINOLOGY		
		CHYROID FUNC	CTION TEST: TOTA	L	
TRIIODOTHYRONI		1.02	ng/mI	0.35 - 1.93	
	IESCENT MICROPARTICLE IMMUN	,		4.97 19.00	
THYROXINE (T4): S by CMIA (CHEMILUMIN	SERUINI IESCENT MICROPARTICLE IMMUN	5.56 OASSAY)	µgm/o	IL 4.87 - 12.60	
	ATING HORMONE (TSH): SE		µIU/m	L 0.35 - 5.50	
by CMIA (CHEMILUMIN 3rd GENERATION, ULT	IESCENT MICROPARTICLE IMMUN PASENSITIVE	OASSAY)			
INTERPRETATION:	RADENDITIVE				
TSH levels are subject to a day has influence on the triiodothyronine (T3).Fai	measured serum TSH concentrations	s. TSH stimulates the pr	oduction and secretion of the	0 pm. The variation is of the order of 50%.Hem metabolically active hormones, thyroxine (1 ther underproduction (hypothyroidism) or	
CLINICAL CONDITION	T3		T4	TSH	
Primary Hypothyroidis			Reduced	Increased (Significantly)	
Subclinical Hypothyroi	dism: Normal or I	ow Normal	Normal or Low Normal	High	

IIM	TAT	IONS:-	

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

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	

Increased

Normal or High Normal





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Reduced (at times undetectable)

Reduced





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NAME	: Mrs. RENU SHARMA		
AGE/ GENDER	: 52 YRS/FEMALE	PATIENT ID	: 1754085
COLLECTED BY	:	REG. NO./LAB NO.	: 012502120038
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Test Name	Value	Unit	Biological Reference interval

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- 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	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

*** End Of Report ***





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