

A PIONEER DIAGNOSTIC CENTRE

>= 200.0

🔽 0171-2532620, 8222896961 🛛 🖾 pkrjainhealthcare@gmail.com

NAME	: Mrs. SUKHWINDER					
AGE/ GENDER: 35 YRS/FEMALECOLLECTED BY:REFERRED BY:			PATIENT ID	: 1580101		
			REG. NO./LAB NO.	: 122408140005 : 14/Aug/2024 08:23 AM		
			REGISTRATION DATE			
BARCODE NO.	: 12504137		COLLECTION DATE	: 14/Aug/2024 08:32AM		
CLIENT CODE.	CLIENT CODE. : P.K.R JAIN HEALTHCARE INSTITUTE REPOR		REPORTING DATE	: 14/Aug/2024 01:16PM		
CLIENT ADDRESS	: NASIRPUR, HISSAR RO	DAD, AMBALA CITY - HAB	RYANA			
Test Name		Value	Unit	Biological Reference interval		
		CLINICAL CHEMIS	TRY/BIOCHEMISTR	Y		
		CHOLESTE	ROL: SERUM			
CHOLESTEROL TOTA by CHOLESTEROL OX		CHOLESTE 175.22	ROL: SERUM mg/dL	Optimal: < 200.0 Borderline High: 200.0 - 239.0 High Cholesterol: > OR = 240.		
				BORDERLINE HIGH: 200.0 - 239.0		
by CHOLESTEROL OX INTERPRETATION: NATIONAL LI			mg/dL	BORDERLINE HIGH: 200.0 - 239.0		
by CHOLESTEROL OX INTERPRETATION: NATIONAL LII RECOMMENDA DES	PID ASSOCIATION	175.22	mg/dL	BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.		

HIGH

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.
As per National Lipid association - 2014 guidelines, all adults above the age of 20 years should be screened for lipid status. Selective

>= 240.0

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.



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440 Dated 17.5.2012 u/s 80 G OF INCOME TAX ACT. PAN NO. AAAAP1600. **REPORT ATTRACTS THE CONDITIONS PRINTED OVERLEAF (P.T.O.)**





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Test Name		Value	Unit	Biological Reference interval	
		URIC ACI	D		
URIC ACID: SERUM		4.8	mg/dL	2.50 - 6.80	
by URICASE - OXIDASE	PEROXIDASE				
INTERPRETATION:- 1.GOUT occurs when I 2.Uric Acid is the end intestinal tract by mic INCREASED:- (A).DUE TO INCREASED 1.Idiopathic primary c	PRODUCTION:-	ood cause crystals to for Jric acid is excreted to a	m & accumulate ard large degree by the	ound a joint. kidneys and to a smaller degree in the	





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NOT VALID FOR MEDICO LEGAL PURPOSE

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Test Name		Value	Unit	Biological Reference interval		
		ENDOCRIN	IOLOGY			
	ТНҮ	ROID FUNCTIO	ON TEST: TOTAL			
TRIIODOTHYRONINI by CMIA (CHEMILUMIN	E (T3): SERUM IESCENT MICROPARTICLE IMMUNOASSA	1.24 Y)	ng/mL	0.35 - 1.93		
THYROXINE (T4): SERUM by CMIA (CHEMILUMINESCENT MICROPARTICLE IMMUNOASSAY)		8.85 Y)	µgm/dL	4.87 - 12.60		
	ING HORMONE (TSH): SERUM	7.09 ^H	µIU/mL	0.35 - 5.50		
3rd GENERATION, ULT	RASENSITIVE					

INTERPRETATION:

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

TSH levels are subject to circadian variation, reaching peak levels between 2-4 a.m and at a minimum between 6-10 pm. The variation is of the order of 50%. Hence time of the day has influence on the measured serum TSH concentrations.TSH stimulates the production and secretion of the metabolically active hormones, thyroxine (T4) and trilodothyronine (T3). Failure at any level of regulation of the hypothalamic-pituitary-thyroid axis will result in either underproduction (hypothyroidism) or overproduction(hyperthyroidism) of T4 and/or T3.

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:-

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)		THYROX	NE (T4)	THYROID STIMULATING HORMONE (TSH)		
Age	Age Refferance Range (ng/mL)		Age Refferance Range (µg/dL)		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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Test Name		Value U		nit Bi		Biological Reference interval	
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 LI	EVELS DURING PREC	GNANCY (µIU/mL)			
1st Trimester			0.10 - 2.50				Ī
2nd Trimester		0.20 - 3.00				Ī	
	3rd Trimester			0.30 - 4.10			Ī

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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