



	MD (Pa	inay Chopra athology & Microbiology) nan & Consultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mrs. SHILPI			
AGE/ GENDER	: 35 YRS/FEMALE	РАТ	IENT ID	: 1629824
COLLECTED BY	:	REG	. NO./LAB NO.	: 012409300077
REFERRED BY	:	REG	ISTRATION DATE	: 30/Sep/2024 02:36 PM
BARCODE NO.	:01518050	COL	LECTION DATE	: 30/Sep/2024 02:40PM
CLIENT CODE.	: KOS DIAGNOSTIC L	AB REP	ORTING DATE	: 30/Sep/2024 03:31PM
CLIENT ADDRESS	: 6349/1, NICHOLSO	N ROAD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
HAEMOGLOBIN (HB) by calorimetric INTERPRETATION:-		11.7 ^L	gm/dL	12.0 - 16.0
tissues back to the lu A low hemoglobin lev ANEMIA (DECRESED I 1) Loss of blood (trau 2) Nutritional deficie 3) Bone marrow prob 4) Suppression by rec 5) Kidney failure 6) Abnormal hemogle POLYCYTHEMIA (INCF POLYCYTHEMIA (INCF 1) People in higher a 2) Smoking (Secondai 3) Dehydration produ	ngs. vel is referred to as ANE HAEMOGLOBIN): Imatic injury, surgery, b ncy (iron, vitamin B12, lems (replacement of b d blood cell synthesis b bbin structure (sickle co EASED HAEMOGLOBIN) Ititudes (Physiological) ry Polycythemia)	MIA or low red blood count. bleeding, colon cancer or stoma folate) yone marrow by cancer) y chemotherapy drugs ell anemia or thalassemia).): moglobin due to increased haer	ch ulcer)	odys tissues and returns carbon dioxide fror

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD





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

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







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BARCODE NO.	: 01518050	COL	ECTION DATE	: 30/Sep/2024 02:40PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	EPORTING DATE : 30/Sep/2024 04:04PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
Test Name	CLIN	Value		Biological Reference interval
Test Name	CLIN		/BIOCHEMISTRY	Biological Reference interval

3. A random glucose level of above 200 mg/dl is highly suggestive of diabetic state. A repeat post-prandial is strongly recommended for all such patients. A fasting plasma glucose level in excess of 125 mg/dl on both occasions is confirmatory for diabetic state.





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





	MD (Pathology a	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		r Chopra (Pathology) Pathologist
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Test Name		Value	Unit	Biological Reference interval
		ENDOCRI	NOLOGY	
		THYROID FUNCTI	ON TEST: TOTAL	
		0.981	ng/mL	0.35 - 1.93
THYROXINE (T4): SEI	ESCENT MICROPARTICLE IMMUNOA	ASSAY) 7.22	ng/mL µgm/dL	0.35 - 1.93 4.87 - 12.60

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 levies 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 (TSF	
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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TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT





SO 9001 : 2008 CERT	IFIED LAB		1	EXCELLENCE IN HEALTHCARE &	DIAGNOSTICS
	M	r. Vinay Chopra D (Pathology & Microbiology) nairman & Consultant Pathologist			
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Test Name			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		
	RECON	IMENDATIONS OF TSH LI	EVELS DURING PREC	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, 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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