



		hopra & Microbiology) onsultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mrs. SWETA			
AGE/ GENDER	: 25 YRS/FEMALE	I	PATIENT ID	: 1617753
COLLECTED BY	:	I	REG. NO./LAB NO.	: 012409180072
REFERRED BY	: LOOMBA HOSPITAL (AMB	ALA CANTT)	REGISTRATION DATE	: 18/Sep/2024 06:44 PM
BARCODE NO.	:01517231	(COLLECTION DATE	: 18/Sep/2024 06:45PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	I	REPORTING DATE	: 18/Sep/2024 07:01PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI), AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
HAEMOGLOBIN (HB)		11.3 ^L	LOBIN (HB) gm/dL	12.0 - 16.0
by CALORIMETRIC INTERPRETATION:- Hemoglobin is the pro-	ptein molecule in red blood ce			odys tissues and returns carbon dioxide from the
tissues back to the lu A low hemoglobin lev	ngs. el is referred to as ANEMIA or	50	ů	
ANEMIA (DECRESED I 1) Loss of blood (trau	matic injury, surgery, bleeding	, colon cancer or sto	omach ulcer)	
2) Nutritional deficie	ncy (iron, vitamin B12, folate) lems (replacement of bone ma			
4) Suppression by rec	blood cell synthesis by chemo	otherapy drugs		
5) Kidney failure	bbin structure (sickle cell anen	via or thalassomia)		
POLYCYTHEMIA (INCR	REASED HAEMOGLOBIN):			
 People in higher a Smoking (Seconda) 	Ititudes (Physiological)			
3) Dehydration produ	ices a falsely rise in hemoglobi	n due to increased h	aemoconcentration	
 Advanced lung dise Certain tumors 	ease (for example, emphysema			
6) A disorder of the b	one marrow known as polycytl	nemia rubra vera,		
 Abuse of the drug of chemically raising the 	erythropoetin (Epogen) by athle e production of red blood cells	etes for blood doping).	g purposes (increasing the	e amount of oxygen available to the body by

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD





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

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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





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CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	AD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	ING HORMONE (TSH): SERUI			0.35 - 5.50
by CMIA (CHEMILUMIN Brd GENERATION, ULT	ING HORMONE (TSH): SERUI	IYROID STIMULATING M 2.24	G HORMONE (TSH)	0.35 - 5.50
by CMIA (CHEMILUMIN Brd GENERATION, ULT	ING HORMONE (TSH): SERUI	IYROID STIMULATING M 2.24	G HORMONE (TSH)	
by CMIA (CHEMILUMIN Brd GENERATION, ULT	ING HORMONE (TSH): SERUI iescent microparticle immun rasensitive	IYROID STIMULATING M 2.24	G HORMONE (TSH) μIU/mL	
by CMIA (CHEMILUMIN Brd GENERATION, ULT	ING HORMONE (TSH): SERUI IESCENT MICROPARTICLE IMMUN RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months	IYROID STIMULATING M 2.24	C HORMONE (TSH) μIU/mL REFFERENCE RANGE (μ 0.70 – 15.20 0.70 – 11.00	
by CMIA (CHEMILUMIN Brd GENERATION, ULT	ING HORMONE (TSH): SERUI IESCENT MICROPARTICLE IMMUN RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months	IYROID STIMULATING M 2.24	CHORMONE (TSH) μIU/mL REFFERENCE RANGE (μ 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40	
by CMIA (CHEMILUMIN Brd GENERATION, ULT	ING HORMONE (TSH): SERUI IESCENT MICROPARTICLE IMMUN RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years	IYROID STIMULATING M 2.24	C HORMONE (TSH) μIU/mL REFFERENCE RANGE (μ 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00	
	ING HORMONE (TSH): SERUI IESCENT MICROPARTICLE IMMUN RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years	IYROID STIMULATING M 2.24	C HORMONE (TSH) μIU/mL REFFERENCE RANGE (μ 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50	
by CMIA (CHEMILUMIN Brd GENERATION, ULT	ING HORMONE (TSH): SERUI IESCENT MICROPARTICLE IMMUN RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15	IYROID STIMULATING M 2.24	C HORMONE (TSH) μIU/mL REFFERENCE RANGE (μ 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50 0.50 – 5.50	
by CMIA (CHEMILUMIN Brd GENERATION, ULT	ING HORMONE (TSH): SERUI IESCENT MICROPARTICLE IMMUN RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years	AYROID STIMULATING M 2.24 IOASSAY)	C HORMONE (TSH) μIU/mL REFFERENCE RANGE (μ 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50	
by CMIA (CHEMILUMIN rd GENERATION, ULT	ING HORMONE (TSH): SERUI IESCENT MICROPARTICLE IMMUN RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15	IYROID STIMULATING M 2.24	C HORMONE (TSH) μIU/mL REFFERENCE RANGE (μ 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50 0.50 – 5.50	
by CMIA (CHEMILUMIN Brd GENERATION, ULT	ING HORMONE (TSH): SERUI IESCENT MICROPARTICLE IMMUN RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15 > 20 Years (Adults)	AYROID STIMULATING M 2.24 (OASSAY)	C HORMONE (TSH) μIU/mL REFFERENCE RANGE (μ 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50 0.50 – 5.50 0.27 – 5.50	

USE:- ISH controls biosynthesis and release of thyroid harmones T4 & T3. It is a sensitive measure of thyroid function, especially useful in early or subclinical hypothyroidism, before the patient develops any clinical findings or goitre or any other thyroid function abnormality. **INCREASED LEVELS**:

1. Primary or untreated hypothyroidism, may vary from 3 times to more than 100 times normal depending on degree of hypofunction.

2. Hypothyroid patients receiving insufficient thyroid replacement therapy.

3.Hashimotos thyroiditis.

4.DRUGS: Amphetamines, lodine containing agents and dopamine antagonist.

5.Neonatal period, increase in 1st 2-3 days of life due to post-natal surge.

DECREASED 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.





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Test Name	Value	Unit	Biological Reference interval	

7.DRUGS: Glucocorticoids, Dopamine, Levodopa, T4 replacement therapy, Anti-thyroid drugs for thyrotoxicosis. 8.Pregnancy: 1st and 2nd Trimester

LIMITATIONS:

1.TSH may be normal in central hypothyroidism, recent rapid correction of hyperthyroidism or hypothyroidism, pregnancy, phenytoin therapy. 2.Autoimmune disorders may produce spurious results.

*** End Of Report **?



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