



		hopra & Microbiology) onsultant Pathologist		(Pathology)
NAME	: Mrs. ANJU			
AGE/ GENDER	: 35 YRS/FEMALE		PATIENT ID	: 1774882
COLLECTED BY	:		REG. NO./LAB NO.	: 042503010001
REFERRED BY			REGISTRATION DATE	: 01/Mar/2025 03:42 PM
BARCODE NO.	: A1260595		COLLECTION DATE	: 01/Mar/2025 04:19PM
CLIENT CODE.	: KOS DIAGNOSTIC SHAHBA		REPORTING DATE	: 01/Mar/2025 05:01PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD), AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
				5
	GL		ATOLOGY EMOGLOBIN (HBA1C)	0
GLYCOSYLATED HAE WHOLE BLOOD	MOGLOBIN (HbA1c):			4.0 - 6.4
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE by HPLC (HIGH PERFORM	MOGLOBIN (HbA1c):	YCOSYLATED HA	EMOGLOBIN (HBA1C)	
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE by HPLC (HIGH PERFORM	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY)	YCOSYLATED HA	EMOGLOBIN (HBA1C) % mg/dL	4.0 - 6.4
NHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM <u>NTERPRETATION:</u>	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY)	YCOSYLATED HA 5 96.8 ABETES ASSOCIATION (EMOGLOBIN (HBA1C) % mg/dL	4.0 - 6.4 60.00 - 140.00
NHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM <u>NTERPRETATION:</u> RE Non diab	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIA FERENCE GROUP etic Adults >= 18 years	YCOSYLATED HA 5 96.8 ABETES ASSOCIATION (EMOGLOBIN (HBA1C) % mg/dL ADA): ATED HEMOGLOGIB (HBAIC) in <5.7	4.0 - 6.4 60.00 - 140.00
NHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE by HPLC (HIGH PERFORM NTERPRETATION: RE RE Non diab At F	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIA FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	YCOSYLATED HA 5 96.8 ABETES ASSOCIATION (EMOGLOBIN (HBA1C) % mg/dL ADA): 	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE by HPLC (HIGH PERFORM INTERPRETATION: RE RE Non diab At F	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIA FERENCE GROUP etic Adults >= 18 years	YCOSYLATED HA 5 96.8 ABETES ASSOCIATION (EMOGLOBIN (HBA1C) % mg/dL ADA): 	4.0 - 6.4 60.00 - 140.00
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WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGE by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F Dia	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DI FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes) gnosing Diabetes	S 96.8 ABETES ASSOCIATION (GLYCOSY) Goals of The	EMOGLOBIN (HBA1C) % mg/dL ADA): <5.7	4.0 - 6.4 60.00 - 140.00
WHOLE BLOOD by HPLC (HIGH PERFORM ESTIMATED AVERAGI by HPLC (HIGH PERFORM INTERPRETATION: RE Non diab At F Dia	MOGLOBIN (HbA1c): MANCE LIQUID CHROMATOGRAPHY) E PLASMA GLUCOSE MANCE LIQUID CHROMATOGRAPHY) AS PER AMERICAN DIA FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	96.8	EMOGLOBIN (HBA1C) % mg/dL ADA): <5.7	4.0 - 6.4 60.00 - 140.00

COMMENTS:

1.Glycosylated hemoglobin (HbA1c) test is three monthly monitoring done to assess compliace with therapeutic regimen in diabetic patients.

2. Since Hb1c reflects long term fluctuations in blood glucose concentration, a diabetic patient who has recently under good control may still have high concentration of HbAlc. Converse is true for a diabetic previously under good control but now poorly controlled.

3. Target goals of < 7.0 % may be beneficial in patients with short duration of diabetes, long life expectancy and no significant cardiovascular disease. In patients with significant complications of diabetes, limited life expectancy or extensive co-morbid conditions, targetting a goal of < 7.0% may not be appropriate. 4. High

HbA1c (>9.0 -9.5 %) is strongly associated with risk of development and rapid progression of microvascular and nerve complications

5.Any condition that shorten RBC life span like acute blood loss, hemolytic anemia falsely lower HbA1c results.

6.HbA1c results from patients with HbSS,HbSC and HbD must be interpreted with caution, given the pathological processes including anemia, increased red cell turnover, and transfusion requirement that adversely impact HbA1c as a marker of long-term gycemic control.

7.Specimens from patients with polycythemia or post-splenctomy may exhibit increse in HbA1c values due to a somewhat longer life span of the red cells.





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





	Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultant	obiology) ME	m Chopra D (Pathology) ht Pathologist
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBA	LA CANTT	
Test Name		Value Unit	Biological Reference interval

LIEOTRONIC Graph Report

	-				
Name :		Case : Patient Type :		Test Date: 01/03/2025 16:56:5	
Age :	Department :	rtment: Sample Type : Whole Blood EDTA			
Gender:		Total Area : 8287			
Peak Name	Retention Time(s)	Absorbance	Area	Result (Area %)	
HbA0	66	2387	7455	85.5	
HbA1c	38	40	438	5.0	
.a1c	26	24	181	2.1	
HDF	21	16	23	0.3	
Hba1b	13	27	108	1.2	
lba1a	10	18	82	0.9	
0.03 0.025 - 0.02 - ≌ 0.015 - 0.005 - 0.005 - 0 10		70 80 90 1 me(S)	00 110 120 130	Choromotography Hba1o	





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		Value	Unit	Biological Reference interva
by CMIA (CHEMILUMIN Brd GENERATION, ULT	TING HORMONE (TSH): SEL	ENDOCRI ROID STIMULATI RUM 1.941		
ΓHYROID STIMULA by CMIA (CHEMILUMIN	TING HORMONE (TSH): SEJ escent microparticle immunc rasensitive	ENDOCRI ROID STIMULATI RUM 1.941	NOLOGY NG HORMONE (Τ μIU/mL	SH) 0.35 - 5.50
THYROID STIMULA by CMIA (CHEMILUMIN Brd GENERATION, ULT	TING HORMONE (TSH): SEI escent microparticle immunc rasensitive AGE	ENDOCRI ROID STIMULATI RUM 1.941	NOLOGY NG HORMONE (Τ΄ μIU/mL REFFERENCE RANGE	SH) 0.35 - 5.50 (μΙU/mL)
THYROID STIMULA by CMIA (CHEMILUMIN Brd GENERATION, ULT	TING HORMONE (TSH): SEI escent microparticle immunc rasensitive AGE 0 – 5 days	ENDOCRI ROID STIMULATI RUM 1.941	NOLOGY NG HORMONE (TS μIU/mL REFFERENCE RANGE 0.70 – 15.20	SH) 0.35 - 5.50 (µlU/mL)
THYROID STIMULA by CMIA (CHEMILUMIN Brd GENERATION, ULT	TING HORMONE (TSH): SEI escent microparticle immunc rasensitive AGE	ENDOCRI ROID STIMULATI RUM 1.941	NOLOGY NG HORMONE (T μIU/mL <u>REFFERENCE RANGE</u> 0.70 – 15.20 0.70 – 11.00	SH) 0.35 - 5.50 (µU/mL)
THYROID STIMULA by CMIA (CHEMILUMIN Brd GENERATION, ULT	TING HORMONE (TSH): SEI ESCENT MICROPARTICLE IMMUNC RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months	ENDOCRI ROID STIMULATI RUM 1.941	NOLOGY NG HORMONE (TS μIU/mL REFFERENCE RANGE 0.70 – 15.20	SH) 0.35 - 5.50 (µU/mL)
THYROID STIMULA by CMIA (CHEMILUMIN Brd GENERATION, ULT	TING HORMONE (TSH): SEI ESCENT MICROPARTICLE IMMUNC RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years	ENDOCRI ROID STIMULATI RUM 1.941	NOLOGY NG HORMONE (TS μIU/mL REFFERENCE RANGE 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40	SH) 0.35 - 5.50 (µU/mL)
ΓΗΥROID STIMULA by CMIA (CHEMILUMIN Brd GENERATION, ULT <u>NTERPRETATION:</u>	TING HORMONE (TSH): SEI ESCENT MICROPARTICLE IMMUNC RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15	ENDOCRI ROID STIMULATI RUM 1.941	NOLOGY NG HORMONE (TS μIU/mL <u>REFFERENCE RANGE</u> 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00	SH) 0.35 - 5.50 (µU/mL)
ΓΗΥROID STIMULA by CMIA (CHEMILUMIN Brd GENERATION, ULT <u>NTERPRETATION:</u>	TING HORMONE (TSH): SEI ESCENT MICROPARTICLE IMMUNC RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years	ENDOCRI ROID STIMULATI RUM 1.941 DASSAY)	NOLOGY NG HORMONE (TS μIU/mL REFFERENCE RANGE 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50	SH) 0.35 - 5.50
ΓΗΥROID STIMULA by CMIA (CHEMILUMIN Brd GENERATION, ULT <u>NTERPRETATION:</u>	TING HORMONE (TSH): SE ESCENT MICROPARTICLE IMMUNC RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15 > 20 Years (Adults)	ENDOCRI ROID STIMULATI RUM 1.941	NOLOGY NG HORMONE (TS μIU/mL REFFERENCE RANGE 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	SH) 0.35 - 5.50 (µlU/mL)
ΓΗΥROID STIMULA by CMIA (CHEMILUMIN Brd GENERATION, ULT <u>NTERPRETATION:</u>	TING HORMONE (TSH): SEJ ESCENT MICROPARTICLE IMMUNO RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15 > 20 Years (Adults) 1st Trimester	ENDOCRI ROID STIMULATI RUM 1.941 DASSAY)	NOLOGY NG HORMONE (TS μIU/mL	SH) 0.35 - 5.50
ΓΗΥROID STIMULA by CMIA (CHEMILUMIN Brd GENERATION, ULT <u>NTERPRETATION:</u>	TING HORMONE (TSH): SE ESCENT MICROPARTICLE IMMUNC RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15 > 20 Years (Adults)	ENDOCRI ROID STIMULATI RUM 1.941 DASSAY)	NOLOGY NG HORMONE (TS μIU/mL REFFERENCE RANGE 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	SH) 0.35 - 5.50

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, Iodine 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.

7.DRUGS: Glucocorticoids, Dopamine, Levodopa, T4 replacement therapy, Anti-thyroid drugs for thyrotoxicosis.





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Test Name		Value Unit	Biological Reference interval

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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.



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KOS Diagnostic Lab (A Unit of KOS Healthcare)

	Dr. Vinay Ch MD (Pathology & Chairman & Cons		Dr. Yugan MD CEO & Consultant	(Pathology)
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est Name		Value	Unit	Biological Reference interval
		PROLAC	TIN	
ROLACTIN: SERU	M	9	ng/mL	3 - 25
Primary hypothyro Section compressic Chest wall lesions Ectopic tumors. DRUGS:- Anti-Dopa ceptors, or serotor opiates, High doses GNIFICANCE: In loss of libido, impo om decreased mus <i>In males, prolactin</i> <i>In women, prolactin</i> <i>In women, prolactin</i> <i>In women, prolactin</i> Mild to moderatel denoma is present, AUTION: volactin values that	minergic drugs like antipsychotic in reuptake (anti-depressants of of estrogen or progesterone,ant lactorrhea, oligomHyperprolactir otence, infertility, and hypogonac cle mass and osteoporosis. levels >13 ng/mL are indicative of n levels >27 ng/mL in the absence d signs of hyperprolactinemia are y increased levels of serum prola 5.Whereas levels >250 ng/mL are	drugs, antinausea/anti all classes, ergot deriv iconvulsants (valporic a nemia often results eno dism in males. Postmen hyperprolactinemia. of pregnancy and postpa e often absent in patier ctin are not a reliable g e usually associated wit y be due to macroprolac	atives, some illegal of cid), anti-tuberculor rrhea or amenorrhe opausal and premer artum lactation are ir ts with serum prolaculor b a prolactin-secreti ctin (prolactin bound	ctin levels <100 ng/mL. g whether a prolactin-producing pituitary ng tumor. I to immunoglobulin). Macroprolactin should I
	*	** End Of Report	* * *	

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