



NAME	: Mrs. ARUNA ARORA				
AGE/ GENDER	: 60 YRS/FEMALE	PA	ATIENT ID	: 1702178	
COLLECTED BY	: SURJESH	RI	EG. NO./LAB NO.	: 012412180015	
REFERRED BY	·		EGISTRATION DATE	: 18/Dec/2024 09:08 AM	
BARCODE NO.	:01522614		DLLECTION DATE	: 18/Dec/2024 09:28AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB		EPORTING DATE	: 18/Dec/2024 03:02PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interva	
GLYCOSYLATED HAEMOGLOBIN (HbA1c): WHOLE BLOOD by HPLC (HIGH PERFORMANCE LIQUID CHROMATOGRAPHY) ESTIMATED AVERAGE PLASMA GLUCOSE by HPLC (HIGH PERFORMANCE LIQUID CHROMATOGRAPHY) INTERPRETATION:		7.5 <sup>H</sup> 168.55 <sup>H</sup>	% mg/dL	4.0 - 6.4 60.00 - 140.00	
	AS PER AMERICAN	DIABETES ASSOCIATI	ON (ADA):		
			GLYCOSYLATED HEMOGLOGIB (HBAIC) in %		
	REFERENCE GROUP	GLYC			
Non di	REFERENCE GROUP abetic Adults >= 18 years	GLYC	<5.7		
Non di A	REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	GLYC	<5.7 5.7 – 6.4		
Non di A	REFERENCE GROUP abetic Adults >= 18 years		<5.7 5.7 - 6.4 >= 6.5		
Non di A D	REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes) iagnosing Diabetes		<5.7 5.7 – 6.4	< 7.0	
Non di A D	REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes)	Goals of	<5.7 5.7 – 6.4 >= 6.5 Age > 19 Years Therapy: uggested:		
Non di A D	REFERENCE GROUP abetic Adults >= 18 years t Risk (Prediabetes) iagnosing Diabetes	Goals of Actions St	<5.7 5.7 - 6.4 >= 6.5 Age > 19 Years Therapy:	< 7.0	

**KOS Diagnostic Lab** 

(A Unit of KOS Healthcare)

*as rarget goals of < 7.0 % may be beneficial in patients with short duration of diabetes, long me expectancy and no significant cardiovascular disease 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.



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

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

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 0171-2643898, +91 99910 43898
 care@koshealthcare.com
 www.koshealthcare.com







	Dr. Vinay Cho MD (Pathology & N Chairman & Consu	licrobiology) MI		m Chopra D (Pathology) nt Pathologist	
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, Al			. 10, <i>Dec</i> , 2021 11.00 km	
Test Name		Value	Unit	Biological Reference interva	
	THYROI ATING HORMONE (TSH): SERUN VESCENT MICROPARTICLE IMMUNOASS	M 1.692	I <b>OLOGY</b> I <b>G HORMONE (TS</b> ) μIU/mL	<b>H)</b> 0.35 - 5.50	
by CMIA (CHEMILUMI) 3rd GENERATION, ULT	ATING HORMONE (TSH): SERUN	<b>D STIMULATIN</b> A 1.692	G HORMONE (TS		
by CMIA (CHEMILUMIN 3rd GENERATION, ULT	ATING HORMONE (TSH): SERUN	<b>D STIMULATIN</b> A 1.692	G HORMONE (TS	0.35 - 5.50	
by CMIA (CHEMILUMI) 3rd GENERATION, ULT	ATING HORMONE (TSH): SERUM NESCENT MICROPARTICLE IMMUNOASS RASENSITIVE AGE 0 – 5 DAYS	<b>D STIMULATIN</b> A 1.692	IG HORMONE (TS) μIU/mL REFFERENCE RANGE (μ 0.70 – 15.20	0.35 - 5.50	
by CMIA (CHEMILUMI) 3rd GENERATION, ULT	ATING HORMONE (TSH): SERUM NESCENT MICROPARTICLE IMMUNOASS RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months	<b>D STIMULATIN</b> A 1.692	IG HORMONE (TS) μIU/mL REFFERENCE RANGE (μ 0.70 – 15.20 0.70 – 11.00	0.35 - 5.50	
by CMIA (CHEMILUMI) 3rd GENERATION, ULT	ATING HORMONE (TSH): SERUN NESCENT MICROPARTICLE IMMUNOASS RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months	<b>D STIMULATIN</b> A 1.692	IG HORMONE (TS) μIU/mL REFFERENCE RANGE (μ 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40	0.35 - 5.50	
by CMIA (CHEMILUMIN 3rd GENERATION, ULT	ATING HORMONE (TSH): SERUN NESCENT MICROPARTICLE IMMUNOASS RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years	<b>D STIMULATIN</b> A 1.692	<b>IG HORMONE (TS)</b> μIU/mL <b>REFFERENCE RANGE (</b> 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00	0.35 - 5.50	
by CMIA (CHEMILUMI) 3rd GENERATION, ULT	ATING HORMONE (TSH): SERUN NESCENT MICROPARTICLE IMMUNOASS RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months	<b>D STIMULATIN</b> A 1.692	IG HORMONE (TS) μIU/mL REFFERENCE RANGE (μ 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40	0.35 - 5.50	
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by CMIA (CHEMILUMIN 3rd GENERATION, ULT	ATING HORMONE (TSH): SERUN VESCENT MICROPARTICLE IMMUNOASS RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15 > 20 Years (Adults)	<b>D STIMULATIN</b> A 1.692	<b>REFFERENCE RANGE (Γ</b> μIU/mL <b>REFFERENCE RANGE (</b> 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	0.35 - 5.50	
by CMIA (CHEMILUMIN 3rd GENERATION, ULT	ATING HORMONE (TSH): SERUN VESCENT MICROPARTICLE IMMUNOASS 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	D STIMULATIN A 1.692 SAY)	<b>REFFERENCE RANGE (Γ</b> μIU/mL <b>REFFERENCE RANGE (</b> 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 0.10 - 3.00	0.35 - 5.50	
	ATING HORMONE (TSH): SERUN VESCENT MICROPARTICLE IMMUNOASS RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15 > 20 Years (Adults)	D STIMULATIN A 1.692 SAY)	<b>REFFERENCE RANGE (Γ</b> μIU/mL <b>REFFERENCE RANGE (</b> 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	0.35 - 5.50	

**USE**:- TSH 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, 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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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 \*\*\*



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

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