



		Chopra gy & Microbiology) Consultant Pathologist	Dr. Yugam MD (F CEO & Consultant P	Pathology)
NAME	: Mrs. SUDESH KUMARI			
AGE/ GENDER	: 75 YRS/FEMALE	PATI	ENT ID	: 1602642
COLLECTED BY	: SURJESH	REG. I	NO./LAB NO.	: 012409050029
REFERRED BY	:	REGIS	TRATION DATE	: 05/Sep/2024 10:47 AM
BARCODE NO.	:01516332	COLL	ECTION DATE	:05/Sep/2024 10:49AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	:05/Sep/2024 11:10AM
CLIENT ADDRESS	: 6349/1, NICHOLSON RO	AD, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
by CALORIMETRIC INTERPRETATION:-		9.9 ^L		lys tissues and returns carbon dioxide from
tissues back to the lui A low hemoglobin lev ANEMIA (DECRESED H 1) Loss of blood (trau 2) Nutritional deficier 3) Bone marrow probl 4) Suppression by red 5) Kidney failure 6) Abnormal hemoglo POLYCYTHEMIA (INCR 1) People in higher al 2) Smoking (Secondar 3) Dehydration produ 4) Advanced lung dise 5) Certain tumors 6) A disorder of the bo	ngs. el is referred to as ANEMIA d IAEMOGLOBIN): matic injury, surgery, bleedi ncy (iron, vitamin B12, folate lems (replacement of bone n I blood cell synthesis by cher obin structure (sickle cell and EASED HAEMOGLOBIN): titudes (Physiological)	or low red blood count. ng, colon cancer or stomach arrow by cancer) motherapy drugs emia or thalassemia). bbin due to increased haemo	n ulcer)	

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD





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

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







	Dr. Vinay Chop MD (Pathology & M Chairman & Consult	icrobiology)	Dr. Yugam MD (CEO & Consultant	(Pathology)	
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 05/Sep/2024 02:02PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM			100, 200, 202 102102	
Test Name		Value	Unit	Biological Reference interval	
GLYCOSYLATED HAEI	GLYCC MOGLOBIN (HbA1c):	OSYLATED HAEMOO 6.9 ^H	GLOBIN (HBA1C) %	4.0 - 6.4	
WHOLE BLOOD by HPLC (HIGH PERFO ESTIMATED AVERAG	RMANCE LIQUID CHROMATOGRAPHY)	151.33 ^H	mg/dL	60.00 - 140.00	
	AS PER AMERICAN DI	ABETES ASSOCIATION ((ADA):		
	REFERENCE GROUP	GLYCOSY	ATED HEMOGLOGIB (<5.7	(HBAIC) in %	
Non diabetic Adults >= 18 years					
A	At Risk (Prediabetes)		5.7 - 6.4 >= 6.5		
D	iagnosing Diabetes				
			Age > 19 Years		
		Goals of The		< 7.0	
Therapeut	ic goals for glycemic control	Actions Sugge		>8.0	
			Age < 19 Years		
		Goal of ther	anv	<7.5	

KOS Diagnostic Lab

(A Unit of KOS Healthcare)

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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KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana 0171-2643898, +91 99910 43898 | care@koshealthcare.com | www.koshealthcare.com



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



AGE/ GENDER : 75 Y COLLECTED BY : SUR COLLECTED BY : SUR REFERRED BY : BARCODE NO. : 015 CLIENT CODE. : KOS CLIENT ADDRESS : 634 Test Name CALCIUM: SERUM by ARSENAZO III, SPECTROP NTERPRETATION:- I. Serum calcium (total) estir barathyroid gland, or gastro 2. Calcium levels may also re 3. The calcium content of an and <1% is present in the ex 4. In serum, calcium is bound present as free or ionized ca VOTE:-Calcium ions affect th addition, calcium ions play a	16332 9 DIAGNOSTIC LAB 9/1, NICHOLSON ROAD, AMB/ CLINICAL HOTOMETRY nation is used for the diagnosi	REG. 1 REGIS COLLI REPO ALA CANTT Value L CHEMISTRY/ CALCIUM 8.23 ^L	mg/dL	8.50 - 10.60
COLLECTED BY : SUR REFERRED BY : BARCODE NO. : 015 CLIENT CODE. : KOS CLIENT ADDRESS : 634 Test Name CALCIUM: SERUM by ARSENAZO III, SPECTROP NTERPRETATION:- 1. Serum calcium (total) estir barathyroid gland, or gastro 2. Calcium levels may also re 3. The calcium content of an and <1% is present in the ext barathyroid gland, or gastro 2. Calcium levels may also re 3. The calcium content of an and <1% is present in the ext barathyroid gland, or gastro 2. Calcium levels may also re 3. The calcium content of an and <1% is present in the ext bar calcium ions affect the addition, calcium ions play a	JESH 16332 5 DIAGNOSTIC LAB 9/1, NICHOLSON ROAD, AMBA CLINICAL HOTOMETRY nation is used for the diagnosi	REG. 1 REGIS COLLI REPO ALA CANTT Value L CHEMISTRY/ CALCIUM 8.23 ^L	NO./LAB NO. STRATION DATE ECTION DATE RTING DATE Unit BIOCHEMISTR A mg/dL	: 012409050029 : 05/Sep/2024 10:47 AM : 05/Sep/2024 10:49AM : 05/Sep/2024 11:50AM Biological Reference interval Υ 8.50 - 10.60
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Chronic renal failure is als nd skeletal resistance to the NOTE:- A characteristic syr IVPERCALCEMIA (INCREASE). Increased mobilization of C. Primary hyperparathyroidi. Bone metastasis of carcinc	effect abnormal vitamin D or p adult is somewhat over 1 kg (a tra-osseous intracellular space d to a considerable extent to p lcium. e contractility of the heart and an important role in blood clot UM LEVELS) CAUSES :- aired function of the parathyro to frequently associated with h e action of parathyroid hormor nptom of hypocalcemia is late CALCIUM LEVELS) CAUSES:- calcium from the skeletal syste	bout 2% of the boo e or extracellular s proteins (approxima d the skeletal musc tting and bone min oid glands or impai hypocalcemia due ne (PTH). nt or manifest teta em or increased in yroid gland, or lunc	dy weight).Of this, 99 bace (ECS). ately 40%), 10% is in ulature, and are esse eralization. red vitamin-D synthe to decreased vitamin any and osteomalacia testinal absorption.	n-D synthesis as well as hyperphosphatemia





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