



		Chopra / & Microbiology) onsultant Pathologist	Dr. Yugam MD (F CEO & Consultant P	Pathology)
NAME	: Mrs. SHAKTI CHOPRA			
AGE/ GENDER	: 77 YRS/FEMALE	PATI	ENT ID	: 1602788
COLLECTED BY	: SURJESH	REG.	NO./LAB NO.	: 012409050057
REFERRED BY	:	REGI	STRATION DATE	: 05/Sep/2024 12:40 PM
BARCODE NO.	: 01516360	COLL	ECTION DATE	: 05/Sep/2024 12:42PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 05/Sep/2024 12:51PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
by CALORIMETRIC INTERPRETATION:- Hemoglobin is the pro-	otein molecule in red blood co	Ils that carries ownen fro	m the lungs to the hor	lys tissues and returns carbon dioxide from t
tissues back to the lu	ings.	low red blood count.		

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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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		& Microbiology) Insultant Pathologist	MD CEO & Consultant	(Pathology) Pathologist
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DADCODE NO	:01516360	COL	LECTION DATE	: 05/Sep/2024 12:42PM
BARCODE NO.				
	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 05/Sep/2024 01:20PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD		ORTING DATE	: 05/Sep/2024 01:20PM
BARCODE NO. CLIENT CODE. CLIENT ADDRESS Test Name			ORTING DATE	: 05/Sep/2024 01:20PM Biological Reference interval
CLIENT CODE. CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT	Unit	Biological Reference interval
CLIENT CODE. CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	o, AMBALA CANTT Value	Unit 7/BIOCHEMISTR	Biological Reference interval

test (after consumption of 75 gms of glucose) is recommended for all such patients. 3. A post-prandial plasma 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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Dr. Yugam Chopra

	MD (Pathology & N Chairman & Consu	1icrobiology)	Dr. Tugan MD CEO & Consultant	(Pathology)
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	R	EPORTING DATE	: 05/Sep/2024 03:01PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	LIV	ER FUNCTION	TEST (COMPLETE)	
BILIRUBIN TOTAL: S	ERUM PECTROPHOTOMETRY	0.25	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	CONJUGATED): SERUM	0.09	mg/dL	0.00 - 0.40
•	(UNCONJUGATED): SERUM	0.16	mg/dL	0.10 - 1.00
SGOT/AST: SERUM	RIDOXAL PHOSPHATE	10.9	U/L	7.00 - 45.00
SGPT/ALT: SERUM	RIDOXAL PHOSPHATE	8.9	U/L	0.00 - 49.00
AST/ALT RATIO: SER by CALCULATED, SPE	UM	1.22	RATIO	0.00 - 46.00
ALKALINE PHOSPHA		112.8	U/L	40.0 - 130.0
GAMMA GLUTAMYL by SZASZ, SPECTROF	. TRANSFERASE (GGT): SERUM PHTOMETRY	16.04	U/L	0.00 - 55.0
TOTAL PROTEINS: SE	ERUM	6.56	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G		3.83	gm/dL	3.50 - 5.50
GLOBULIN: SERUM		2.73	gm/dL	2.30 - 3.50
A : G RATIO: SERUM		1.4	RATIO	1.00 - 2.00

Dr. Vinay Chopra

by CALCULATED, SPECTROPHOTOMETRY

NOTE: To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range.

USE:- Differential diagnosis of diseases of hepatobiliary system and pancreas.

INCREASED:

DRUG HEPATOTOXICITY	> 2
ALCOHOLIC HEPATITIS	> 2 (Highly Suggestive)
CIRRHOSIS	1.4 - 2.0
INTRAHEPATIC CHOLESTATIS	> 1.5





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INTERPRETATION





	Dr. Vinay Chop MD (Pathology & M Chairman & Consult	icrobiology)	Dr. Yugan MD CEO & Consultant	(Pathology)	
NAME	: Mrs. SHAKTI CHOPRA				
AGE/ GENDER	: 77 YRS/FEMALE	PAT	IENT ID	: 1602788	
COLLECTED BY	: SURJESH	REG.	NO./LAB NO.	:012409050057	
REFERRED BY	:	REG	ISTRATION DATE	: 05/Sep/2024 12:40 I	PM
BARCODE NO.	: 01516360	COLL	LECTION DATE	:05/Sep/2024 12:42P	М
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 05/Sep/2024 03:01P	М
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	IBALA CANTT			
Test Name		Value	Unit	Biological Re	eference interval
HEPATOCELLULAR C	ARCINOMA & CHRONIC HEPATITIS		> 1.3 (Slightly Inc	reased)	

1. Acute Hepatitis due to virus, drugs, toxins (with AST increased 3 to 10 times upper limit of normal)

2. Extra Hepatic cholestatis: 0.8 (normal or slightly decreased).

PROGNOSTIC SIGNIFICANCE:

NORMAL	< 0.65
GOOD PROGNOSTIC SIGN	0.3 - 0.6
POOR PROGNOSTIC SIGN	1.2 - 1.6

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ISO 9001 : 2008 CERT	IFIED LAB	EXCELLENC	E IN HEALTHCARE	& DIAGNOSTICS	
	Dr. Vinay Chopra MD (Pathology & Microbio Chairman & Consultant Pa	ology)	MD	n Chopra (Pathology) Pathologist	
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING D	DATE	: 05/Sep/2024 03:01PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA	CANTT			
Test Name	Va	lue	Unit	Biological Reference interval	
		UREA			
UREA: SERUM by UREASE - GLUTAN	55 MATE DEHYDROGENASE (GLDH)	.19 ^H	mg/dL	10.00 - 50.00	
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音楽の教育	ch.	Malsa			
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	DR.VINAY CHOPRA	DR.YUGAM CHOPRA	HCT.		
	CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY)	CONSULTANT PATHOLOG MBBS , MD (PATHOLOGY			
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	Floor, Parry Hotel, Staff Road, Opp. GPO, Amba		ı		
	43898 care@koshealthcare.com www.kc				
				Page 5 of 10	

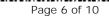


TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



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ISO 9001 : 2008 CERTIFI	ED LAB	1	EXCELLENCE IN HEALTHCARE	& DIAGNOSTICS	
	Dr. Vinay Chopra MD (Pathology & Microbio Chairman & Consultant Pa	ology) athologist	Dr. Yugam MD CEO & Consultant	(Pathology)	
AGE/ GENDER : COLLECTED BY : REFERRED BY : BARCODE NO. : CLIENT CODE. :	Mrs. SHAKTI CHOPRA 77 YRS/FEMALE SURJESH 01516360 KOS DIAGNOSTIC LAB 6349/1, NICHOLSON ROAD, AMBALA	REG. I REGIS COLLI REPO	ENT ID NO./LAB NO. STRATION DATE ECTION DATE RTING DATE	: 1602788 : 012409050057 : 05/Sep/2024 12:40 PM : 05/Sep/2024 12:42PM : 05/Sep/2024 03:01PM	
Test Name	Va	lue	Unit	Biological Reference interval	1
				<u> </u>	
CREATININE: SERUM by enzymatic, spectr	орнотометку 1.3	CREATINI 34 ^H	mg/dL	0.40 - 1.20	
	DR.VINAY CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY)	DR.YUGAM CHI CONSULTANT F MBBS , MD (PA	PATHOLOGIST		
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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



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ARCODE NO.	: 01516360	COLI	ECTION DATE	: 05/Sep/2024 12:42PM
LIENT CODE.	: KOS DIAGNOSTIC LAB		ORTING DATE	: 05/Sep/2024 03:15PM
LIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
est Name		Value	Unit	Biological Reference interval
		ELECTROLYTES COM	PLETE PROFILE	
odium: serum		141.1	mmol/L	135.0 - 150.0
by ISE (ION SELECTIVE OTASSIUM: SERUM		r ooH	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV		5.03 ^H		
HLORIDE: SERUM		105.82	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV NTERPRETATION:-	E ELECTRODE)			
alance & to transmi IYPONATREMIA (LOV . Low sodium intake . Sodium loss due to . Diuretics abuses.	t nerve impulse. V SODIUM LEVEL) CAUSES:- diarrhea & vomiting with ade		-	y maintain osmotic pressure & acid base
alance & to transmi IYPONATREMIA (LOV . Low sodium intake . Sodium loss due to . Diuretics abuses. 4. Salt loosing nephr . Metabolic acidosis . Adrenocortical issu . Hepatic failure.	t nerve impulse. V SODIUM LEVEL) CAUSES:- diarrhea & vomiting with ade opathy. S. uficiency . CREASED SODIUM LEVEL) CAUS nged)	equate water and iadequa	-	y maintain osmotic pressure & acid base

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Test Name	Valu	Je Unit	Biological Reference interval

4. Hemolysis of blood



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	Value		Biological Reference interval
	TH	YROID FUN	CTION TEST: TOTAL	
	E (T3): SERUM NESCENT MICROPARTICLE IMMUNOASSA	1.106	ng/mL	0.35 - 1.93
THYROXINE (T4): SE		8.18	µgm/dL	4.87 - 12.60
by CMIA (CHEMILUMIN 3rd GENERATION, ULT <u>INTERPRETATION:</u> TSH levels are subject to day has influence on the trilodothyronine (T3).Fai	circadian variation, reaching peak levels be	tween 2-4 a.m a. imulates the pro	oduction and secretion of the m	0.35 - 5.50 m. The variation is of the order of 50%.Hence time of the etabolically active hormones, thyroxine (T4)and er underproduction (hypothyroidism) or

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 levles 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 (TSH)		
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 Name			Value	Unit	t	Biological Reference interva
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	
	RECO	OMMENDATIONS OF TSH L	EVELS DURING PRE	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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