



	Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultant	obiology)		Pathology)
NAME	: Mrs. NANKI DEVI			
AGE/ GENDER	: 39 YRS/FEMALE	]	PATIENT ID	: 1559030
COLLECTED BY	:	]	REG. NO./LAB NO.	: 012407240035
<b>REFERRED BY</b>	:	]	REGISTRATION DATE	: 24/Jul/2024 11:45 AM
BARCODE NO.	: 01513736	(	COLLECTION DATE	: 24/Jul/2024 11:48AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	1	REPORTING DATE	: 24/Jul/2024 02:30PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBA	LA CANTT		
Test Name		Value	Unit	Biological Reference interval
		ENDOOR		
			CTION TEST: FREE	
FREE TRIIODOTHYRON by CMIA (CHEMILUMINE)	NINE (FT3): SERUM SCENT MICROPARTICLE IMMUNOASSAY)	2.64	pg/mL	1.60 - 3.90
FREE THYROXINE (FT4	): SERUM	1.22	ng/dL	0.70 - 1.50
	SCENT MICROPARTICLE IMMUNOASSAY)	2.023	μlU/mL	0.35 - 5.50
by CMIA (CHEMILUMINE	SCENT MICROPARTICLE IMMUNOASSAY)	2.025	μισγιιτε	0.00 - 0.00
3rd GENERATION, ULTRA INTERPREATION:	ASENSITIVE			
1. FT3 & FT4 are metab	polic active form of thyroid harmones	and correla	te much better with clinica	I condition of the patient as compared to Tota an occasionally be seen in cases of PERIPHERA
THYROID HARMONE RES	SISTANCE	2		5
2. ISH levels are subject the order of 50 %. Hence	cted to circardian variation, reaching p ce time of the day has influence on the	e measured s	etween 2-4 a.m and at a m serum TSH concentration.	ninimum between 6-10 pm. The variation is of
INCREASED TSH LEVELS	: lism is accompanied by depressed ser	rum FT3 & F	T4 values and elevated ser	Im TSH levels. Primary or untreated
hypothyroidism may va	ary from 3 times to more than 100 tim s receiving insufficient thyroid replac	nes normal d	epending upon degree of h	sypofunction.
<ol><li>Hashimotos thyroid</li></ol>	itis			
<ol><li>Neonatal period, inc</li></ol>	nes, idonie containing agents & dopar rease in 1st 2-3 days of life due to po	ost-natal sur	ge	
DECREASED TSH LEVELS 1. Primary hyperthyroi	: dism is accompanied by elevated serv	um FT3 & FT	4 values along with depres	sed TSH levels.
1. Toxic multi-nodular				
3. Autonomously funct	ioning Thyroid adenoma	otriyrolaisin		
<ol> <li>Secondary pituatary</li> <li>Acute psychiatric ill</li> <li>Severe dehydration.</li> </ol>	or hypothalmic hypothyroidism ness			
<ol> <li>Severe dehydration.</li> <li>DRUGS: Glucocortico</li> </ol>	oids, Dopamine, Levodopa, T4 replace	ement therag	ov. Anti-thyroid drugs for th	nvrotoxicosis.
8. Pregnancy: 1st Trime NOTE:	ester		, , , , , , , , , , , , , , , , , , ,	
1. High FT3 levels accord	npanied by normal FT4 levels and depr	ressed TSH le	vels may be seen T3 thyroto	xicosis, central hypothyroidism occurs due to
pituitary or thalamic ma	hypothyroidism, this relatively rare bu	it important o	condition is indicated by pre	sence of low serum FT3 and FT4 levels, in
2. Secondary & rentiary	véls thát are paradoxically either low/	normal or are	e not elevated to levels that	are expected.
conjugation with TSH le				
conjugation with TSH le				
conjugation with TSH le				
conjugation with TSH le				

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

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

 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



Page 1 of 2





	MD (Patho	<b>y Chopra</b> blogy & Microbiology) & Consultant Pathologis	Dr. Yugan MD st CEO & Consultant	(Pathology)
NAME	: Mrs. NANKI DEVI			
AGE/ GENDER	: 39 YRS/FEMALE		PATIENT ID	: 1559030
COLLECTED BY	:		REG. NO./LAB NO.	: 012407240035
REFERRED BY			REGISTRATION DATE	: 24/Jul/2024 11:45 AM
BARCODE NO.	: 01513736		COLLECTION DATE	: 24/Jul/2024 11:49 AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 24/Jul/2024 02:30PM
CLIENT CODE.	: 6349/1, NICHOLSON F			. 24/ Jul/ 2024 02.301 W
To at Name		Value		Diele vicel Deference interval
Test Name		Value	Unit	Biological Reference interval
	DROXY VITAMIN D3): SERL	VITAMIN D/25 H	AMINS YDROXY VITAMIN D3 ng/mL	DEFICIENCY: < 20.0
by CLIA (CHEMILUMI	NESCENCE IMMUNOASSAY)			INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
DEI	FICIENT:	< 20	n	g/mL
INSU	FFICIENT:	21 - 29	n	g/mL
INSU PREFFE INTO 1.Vitamin D compo conversion of 7- dib	IFFICIENT: RED RANGE: XICATION: unds are derived from dieta nydrocholecalciferol to Vitar	21 - 29 30 - 100 > 100 rv ergocalciferol (from min D3 in the skin upon	n n plants. Vitamin D2), or cho u Ultraviolet exposure.	g/mL g/mL g/mL glecalciferol (from animals, Vitamin D3), or by
INSU PREFFEI INTO 1.Vitamin D compor conversion of 7- dik 2.25-OHVitamin D tissue and tightly br 3.Vitamin D plays a phosphate reabsorr 4.Severe deficiency DECREASED: 1.Lack of sunshine e 2.Inadeguate intak 3.Depressed Hepati 4.Secondary to adva 5.Osteoporosis and 6.Enzyme Inducing INCREASED: 1. Hypervitaminosis severe hypercalcem CAUTION: Replacen hypervitaminosis D	FFICIENT:         RED RANGE:         XICATION:         unds are derived from dieta         hydrocholecalciferol to Vitar         represents the main body r         ound by a transport protein         primary role in the mainter         ption, skeletal calcium depo         may lead to failure to mine         exposure.         e, malabsorption (celiac dis         ic Vitamin D 25- hydroxylase         anced Liver disease         'Secondary Hyperparathroid         drugs: anti-epileptic drugs li         and hyperphophatemia.         nent therapy in deficient ind	21 - 29 30 - 100 > 100 rv ergocalciferol (from min D3 in the skin upon resevoir and transport f while in circulation. hance of calcium home isition, calcium mobiliza ralize newly formed os ease) e activity dism (Mild to Moderate ike phenytoin, phenoba after prolonged exposu lividuals must be monite	n plants, Vitamin D2), or cho o Ultraviolet exposure. form of Vitamin D and trans ostatis. It promotes calciur ation, mainly regulated by p teoid in bone, resulting in r e deficiency) arbital and carbamazepine, ure to extremely high doses ored by periodic assessmer	g/mL g/mL g/mL





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

 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

Page 2 of 2