PKR JAIN HEALTHCARE INSTITUTE NASIRPUR, Hissar Road, AMBALA CITY- (Haryana)

A PIONEER DIAGNOSTIC CENTRE

🔽 0171-2532620, 8222896961 🛛 🖾 pkrjainhealthcare@gmail.com

NAME	: Mrs. ANURADHA					
AGE/ GENDER	: 41 YRS/FEMALE	PAT	FIENT ID	: 1598963		
COLLECTED BY	:	REC	G. NO./LAB NO.	: 122410060006		
REFERRED BY	:	REC	GISTRATION DATE	: 06/Oct/2024 10:17 AM		
BARCODE NO.	: 12505054	COI	LECTION DATE	:06/Oct/2024 10:56AM		
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTITUTE		PORTING DATE	:06/Oct/202401:03PM		
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA					
Test Name		Value	Unit	Biological Reference interval		
	CL	INICAL CHEMISTR	Y/BIOCHEMISTR	Y		
		CALCIU	M			
CALCIUM: SERUM by ARSENAZO III, SPECTROPHOTOMETRY		9.87	mg/dL	8.50 - 10.60		
parathyroid gland, or	al) estimation is used for the gastrointestinal tract.	Ū .	g of a wide range of dis	sorders including diseases of bone, kidney,		

2. Calcium levels may also reflect abnormal vitamin D or protein levels.

3. The calcium content of an adult is somewhat over 1 kg (about 2% of the body weight). Of this, 99% is present as calcium hydroxyapatite in bones and <1% is present in the extra-osseous intracellular space or extracellular space (ECS).

4. In serum, calcium is bound to a considerable extent to proteins (approximately 40%), 10% is in the form of inorganic complexes, and 50% is present as free or ionized calcium.

NOTE:-Calcium ions affect the contractility of the heart and the skeletal musculature, and are essential for the function of the nervous system. In addition, calcium ions play an important role in blood clotting and bone mineralization.

HYPOCALCEMIA (LOW CALCIUM LEVELS) CAUSES :-

1. Due to the absence or impaired function of the parathyroid glands or impaired vitamin-D synthesis.

2. Chronic renal failure is also frequently associated with hypocalcemia due to decreased vitamin-D synthesis as well as hyperphosphatemia and skeletal resistance to the action of parathyroid hormone (PTH).

3. NOTE:- A characteristic symptom of hypocalcemia is latent or manifest tetany and osteomalacia.

HYPERCALCEMIA (INCREASE CALCIUM LEVELS) CAUSES:-

1. Increased mobilization of calcium from the skeletal system or increased intestinal absorption.

2. Primary hyperparathyroidism (pHPT)

3.Bone metastasis of carcinoma of the breast, prostate, thyroid gland, or lung

NOTE:-Severe hypercalcemia may result in cardiac arrhythmia.



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

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

NOT VALID FOR MEDICO LEGAL PURPOSE

440 Dated 17.5.2012 u/s 80 G OF INCOME TAX ACT. PAN NO. AAAAP1600. REPORT ATTRACTS THE CONDITIONS PRINTED OVERLEAF (P.T.O.)



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CLIENT CODE.	: P.K.R JAIN HEALTHCARE IN	STITUTE REP	ORTING DATE	:06/Oct/2024 05:36PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, A	MBALA CITY - HARYAI	NA	
Test Name		Value	Unit	Biological Reference interval
	IN	IMUNOPATHOLO	GY/SEROLOGY	
	RHEUMA	FOID FACTOR (RA):	QUANTITATIVE - S	SERUM
RHEUMATOID (RA) F SERUM by NEPHLOMETRY INTERPRETATION:-	ACTOR QUANTITATIVE:	4.32	IU/mL	NEGATIVE: < 18.0 BORDERLINE: 18.0 - 25.0 POSITIVE: > 25.0
 The titer of RF corr. The test is useful fit RHEUMATOID ARTHIR Rheumatoid Arthir membrane lining (syr The disease spreda 	or diagnosis and prognosis of r ITIS: itis is a systemic autoimmune (novium) joints which ledas to p is from small to large joints, wi A is primarily based on clinical,	ity, but those patients y heumatoid arthritis. disease that is multi-fur rogressive joint destruct th greatest damage in e	vith high titers tend to nctional in origin and i tion and in most case arly phase.	have more severe disease course. is characterized by chronic inflammation of these to disability and reduction of quality life.



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT



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