



Dr. Vinay Cho MD (Pathology & Chairman & Cons		Microbiology)		(Pathology)	
NAME	: Mrs. NIDHI				
AGE/ GENDER	<b>E/GENDER</b> : 33 YRS/FEMALE			PATIENT ID	: 1582027
COLLECTED BY	: SURJESH			REG. NO./LAB NO.	: 012408160033
REFERRED BY :				<b>REGISTRATION DATE</b>	: 16/Aug/2024 11:22 AM
BARCODE NO. : 01515152				COLLECTION DATE	: 16/Aug/2024 11:29AM
<b>CLIENT CODE.</b> : KOS DIAGNOSTIC LAB		TIC LAB		<b>REPORTING DATE</b>	: 16/Aug/2024 12:09PM
CLIENT ADDRESS	: 6349/1, NICH	OLSON ROAD, A	MBALA CANTT		
Test Name			Value	Unit	Biological Reference interva
				PROFILE	27.0.145.0
IRON: SERUM			61.9	μg/dL	37.0 - 145.0
by FERROZINE, SPECTROPHOTOMETRY UNSATURATED IRON BINDING CAPACITY (UIBC)			274.05	μg/dL	150.0 - 336.0
SERUM by FERROZINE, SPEC			274.00	μ <sub>β</sub> , σε	100.0 000.0
TOTAL IRON BINDING CAPACITY (TIBC) :SERUM			335.95	μg/dL	230 - 430
by SPECTROPHOTON					
%TRANSFERRIN SATURATION: SERUM by calculated, spectrophotometery (ferene)			18.43	%	15.0 - 50.0
TRANSFERRIN: SERUM by SPECTROPHOTOMETERY (FERENE)			238.52	mg/dL	200.0 - 350.0
INTERPRETATION:-					
VARIABLES SERUM IRON:		ANEMIA OF CHRONIC DISEASE Normal to Reduced		IRON DEFICIENCY ANEMI Reduced	A THALASSEMIA α/β TRAIT Normal
TOTAL IRON BINDING CAPACITY:		Decreased		Increased	Normal

## **IRON:** 1.Serum iron studies is recommended for differential diagnosis of microcytic hypochromic anemia.i.e iron deficiency anemia, zinc deficiency anemia, anemia of chronic disease and thalassemia syndromes.

2. It is essential to isolate iron deficiency anemia from Beta thalassemia syndromes because during iron replacement which is therapeutic for iron deficiency anemia, is severely contra-indicated in Thalassemia.

Decreased < 12-15 %

Decreased

TOTAL IRON BÍNDING CAPACITY (TÍBC):

% TRANSFERRIN SATURATION:

**SERUM FERRITIN:** 

1.It is a direct measure of protein transferrin which transports iron from the gut to storage sites in the bone marrow.

Decreased

Normal to Increased

## % TRANSFERRIN SATURATION:

1.Occurs in idiopathic hemochromatosis and transfusional hemosiderosis where no unsaturated iron binding capacity is available for iron mobilization. Similar condition is seen in congenital deficiency of transferrin.



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Normal

Normal or Increased

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



KOS Diagnostic Lab (A Unit of KOS Healthcare)

	MD (Pathology & N	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		n <b>Chopra</b> (Pathology) Pathologist
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN			
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Test Name		Value	Unit	Biological Reference interval
			LOGY/SEROLOGY ): QUANTITATIVE - S	SEDIIM
RHEUMATOID (RA) F SERUM by NEPHLOMETRY	ACTOR QUANTITATIVE:	112.01 <sup>H</sup>	IU/mL	NEGATIVE: < 18.0 BORDERLINE: 18.0 - 25.0 POSITIVE: > 25.0
membrane lining (syr 2. The disease spreda 3. The diagnosis of R4, CAUTION (FALSE POST 1. RA factor is not spe 2. Non rheumatoid an RA patients have a no 3. Patients with variou lupus erythematosus, 4. Anti-CCP have been specific (98%) than RA 5. Upto 30 % of patier	itis is a systemic autoimmune dise novium) joints which ledas to prog s from small to large joints, with g A is primarily based on clinical, rac actor. <b>TIVE):</b> cific for Rheumatoid arthiritis, as it i d rheumatoid arthritis (RA) populat nreactive titer and 8% of nonrheum is nonrheumatoid diseases, characte polymyositis, tuberculosis, syphilis, discovered in joints of patients with	ressive joint dest reatest damage in diological & immu is often present in ions are not clearly atoid patients hav rized by chronic in viral hepatitis, infe n RA, but not in oth rthiritis also show	ruction and in most case n early phase. nological features.The n healthy individuals with o v separate with regard to e a positive titer). flammation may have po rotious mononucleosis, ar her form of joint disease.A Anti-CCP antibodies.	Anti-CCP2 is HIGHLY SENSITIVE (71%) & more
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	DR.VINAY CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBI	CONSULT	A CHOPRA ANT PATHOLOGIST D (PATHOLOGY)	

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