



	Dr. Vinay Ch MD (Pathology & Chairman & Con			(Pathology)
NAME	: Mrs. PARAMJEET KAUR			
AGE/ GENDER	: 62 YRS/FEMALE		PATIENT ID	: 1598495
COLLECTED BY	:		REG. NO./LAB NO.	: 012409010046
<b>REFERRED BY</b>	:		<b>REGISTRATION DATE</b>	: 01/Sep/2024 01:02 PM
BARCODE NO.	:01516117		<b>COLLECTION DATE</b>	: 01/Sep/2024 01:03PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 01/Sep/2024 01:26PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
HAEMOGLOBIN (HB	)	13.1	gm/dL	12.0 - 16.0
by CALORIMETRIC INTERPRETATION:-				
Hemoglobin is the pr tissues back to the lu A low hemoglobin lev <b>ANEMIA (DECRESED</b> 1) Loss of blood (trau 2) Nutritional deficie 3) Bone marrow prob 4) Suppression by rec 5) Kidney failure 6) Abnormal hemogl <b>POLYCYTHEMIA (INCF</b> 1) People in higher a 2) Smoking (Seconda	ings. vel is referred to as ANEMIA or lo <b>HAEMOGLOBIN):</b> imatic injury, surgery, bleeding, ncy (iron, vitamin B12, folate) ilems (replacement of bone marr d blood cell synthesis by chemot obin structure (sickle cell anemia <b>REASED HAEMOGLOBIN):</b> Ititudes (Physiological) ry Polycythemia)	w red blood coun colon cancer or s row by cancer) herapy drugs a or thalassemia)	t. tomach ulcer)	odys tissues and returns carbon dioxide from t
<ul><li>4) Advanced lung dise</li><li>5) Certain tumors</li><li>6) A disorder of the b</li><li>7) Abuse of the drug</li></ul>	uces a faisely rise in hemoglobin ease (for example, emphysema) oone marrow known as polycythe erythropoetin (Epogen) by athlet e production of rod blood acids)	emia rubra vera, tes for blood dopi		e amount of oxygen available to the body by

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chemically raising the production of red blood cells).

## NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD





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CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING D</b>	ATE	: 01/Sep/2024 01:38PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	ERYTH	ROCYTE SEDIMENTATION	RATE (ES	R)
	MENTATION RATE (ESR)	43 <sup>H</sup>	mm/1st l	hr 0 - 20
1. ESR is a non-specif immune disease, but	does not tell the health practition cted by other conditions besides	ner exactly where the inflammat	ion is in the	ion associated with infection, cancer and auto- e body or what is causing it. pically used in conjunction with other test such
3. This test may also systemic lupus erythe	be used to monitor disease activi ematosus	ty and response to therapy in bo	oth of the a	bove diseases as well as some others, such as
A low ESR can be see (polycythaemia), sigr	n with conditions that inhibit the	unt (leucocytosis), and some pr	ood cells, si otein abno	uch as a high red blood cell count rmalities. Some changes in red cell shape (suc

NOTE:
1. ESR and C - reactive protein (C-RP) are both markers of inflammation.
2. Generally, ESR does not change as rapidly as does CRP, either at the start of inflammation or as it resolves.
3. CRP is not affected by as many other factors as is ESR, making it a better marker of inflammation.
4. If the ESR is elevated, it is typically a result of two types of proteins, globulins or fibrinogen.
5. Women tend to have a higher ESR, and menstruation and pregnancy can cause temporary elevations.
6. Drugs such as dextran, methyldopa, oral contraceptives, penicillamine procainamide, theophylline, and vitamin A can increase ESR, while aspirin. cortisone, and quinine may decrease it



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 01/Sep/2024 02:54PM
	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD,		DRTING DATE	: 01/Sep/2024 02:54PM
CLIENT CODE. CLIENT ADDRESS Test Name			Unit	Biological Reference interval
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	, AMBALA CANTT	Unit	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	, AMBALA CANTT	Unit GY/SEROLOGY	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	, AMBALA CANTT Value	Unit GY/SEROLOGY	

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3. CRP levels (Quantitative) has been used to assess activity of inflammatory disease, to detect infections after surgery, to detect transplant rejection, and to monitor these inflammatory processes.

4. As compared to ESR, CRP shows an earlier rise in inflammatory disorders which begins in 4-6 hrs, the intensity of the rise being higher than ESR and the recovery being earlier than ESR. Unlike ESR, CRP levels are not influenced by hematologic conditions like Anemia, Polycythemia etc., 5. Elevated values are consistent with an acute inflammatory process. NOTE:

1. Elevated C-reactive protein (CRP) values are nonspecific and should not be interpreted without a complete clinical history. 2. Oral contraceptives may increase CRP levels.



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NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mrs. PARAMJEET KAUR : 62 YRS/FEMALE : : : 01516117 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD,	AMBALA CANTT	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE COLLECTION DATE REPORTING DATE	: 1598495 <b>: 012409010046</b> : 01/Sep/2024 01:02 PM : 01/Sep/2024 01:03PM : 01/Sep/2024 02:54PM	
Test Name		Value	Unit	Biological Reference	ce interval
	RHEUMAT	OID FACTOR (	RA): QUANTITATIVE - S	SERUM	
SERUM by NEPHLOMETRY INTERPRETATION:- RHEUMATOID FACTO 1. Rheumatoid factor 2. Over 75% of patieu useful although it ma 3. Inflammatory Mar 4. The titer of RF corr 5. The test is useful f RHEUMATOID ARTHIR 1. Rheumatoid Arthin membrane lining (sy 2. The disease spreda 3. The diagnosis of R CAUTION (FALSE POS 1. RA factor is not spe 2. Non rheumatoid ar RA patients have a no 3. Patients with variou lupus erythematosus, 4. Anti-CCP have beer specific (98%) than R/ 5. Upto 30 % of patien	rs (RF) are antibodies that are dim nts with rheumatoid arthritis (RA ay not be etiologically related to I kers such as ESR & C-Reactive pro- relates poorly with disease activit for diagnosis and prognosis of rh <b>RTIS:</b> ritis is a systemic autoimmune di novium) joints which ledas to pro- as from small to large joints, with A is primarily based on clinical, r actor. <b>TIVE):</b> - exific for Rheumatoid arthritis, as in our rheumatoid arthritis (RA) popul onreactive titer and 8% of nonrheu- us nonrheumatoid diseases, charaa polymyositis, tuberculosis, syphili n discovered in joints of patients w	) have an IgM ar RA. Dtein (CRP) are n- y, but those pati- eumatoid arthrit sease that is mu ogressive joint d- n greatest damag adiological & im it is often present ations are not cle matoid patients l terized by chronic s, viral hepatitis, ith RA, but not in I arthiritis also sh	ntibody to IgG immunoglobi ormal in about 60 % of pati ents with high titers tend to is. Iti-functional in origin and estruction and in most case is in early phase. munological features. The r in healthy individuals with c arly separate with regard to have a positive titer). c inflammation may have po infectious mononucleosis, ar other form of joint disease. A ow Anti-CCP antibodies.	ulin. This autoantibody (RF) is di- ents with positive RA. b have more severe disease cours is characterized by chronic inflates to disability and reduction of most frequent serological test is other autoimmune diseases and ch the presence of rheumatoid factor sitive tests for RF. These diseases and influenza. Nati-CCP2 is HIGHLY SENSITIVE (71	agnostically se. mmation of the quality life. the hronic infections. or (RF) (15% of include systemic





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NAME : M	Irs. PARAMJEET KAUR					
AGE/ GENDER : 62	2 YRS/FEMALE		PATIENT ID	: 1598495		
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<b>LIENT ADDRESS</b> : 63	349/1, NICHOLSON ROAD, A	AMBALA CANTT				
Test Name		Value	Unit	Biological	Reference interval	
		VIT	AMINS			
	VIT		DROXY VITAMIN D3			
ITAMIN D (25-HYDROX) by clia (chemiluminesci		28.1 <sup>L</sup>	ng/mL		ENCY: 20.0 - 30.0 ICY: 30.0 - 100.0	
NTERPRETATION:						
DEFICIENT INSUFFICIEI				g/mLg/mL		
PREFFERED RA		30 - 100		g/mL		
2.25-OHVitamin D repres- issue and tightly bound b Vitamin D plays a prima shosphate reabsorption, s Severe deficiency may le DECREASED: Lack of sunshine exposu Lack of sun	absorption (celiac disease) nin D 25- hydroxylase activi Liver disease dary Hyperparathroidism (N anti-epileptic drugs like phe are, and is seen only after p hyperphophatemia. erapy in deficient individual iduals as compare to whites,	r and transport fo in circulation. of calcium homeo calcium mobiliza newly formed ost ty Mild to Moderate mytoin, phenobal rolonged exposur s must be monito	orm of Vitamin D and transport tion, mainly regulated by p eoid in bone, resulting in r deficiency) rbital and carbamazepine, r re to extremely high doses ored by periodic assessmen	h absorption, renal cal barathyroid harmone ( ickets in children and that increases Vitamin of Vitamin D. When it t of Vitamin D levels ir	cium absorption and PTH). osteomalacia in adults. D metabolism. occurs, it can result in order to prevent	
		** End Of Re	eport ***			

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