



	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology)		Igam Chopi MD (Patholog ultant Patholog	<u>sy)</u>
NAME	: Mrs. PUSHPA RANI				
AGE/ GENDER	: 48 YRS/FEMALE		PATIENT ID	: 1545	596
COLLECTED BY	:		REG. NO./LAB NO.	:012	407110044
REFERRED BY	:		REGISTRATION DA	TE : 11/Ju	ul/2024 01:04 PM
BARCODE NO.	: 01512940		COLLECTION DATE		ul/2024 01:06PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 11/Ju	ul/2024 01:38PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CAN'I	T		
Test Name		Value	Unit		Biological Reference interval
		HAEI	MATOLOGY		
	CON	/IPLETE B	LOOD COUNT (CBC)		
RED BLOOD CELLS (I	RBCS) COUNT AND INDICES				
HAEMOGLOBIN (HB		10.1 ^L	gm/	ďL	12.0 - 16.0
by CALORIMETRIC RED BLOOD CELL (RI		4.18	NAIII	ons/cmm	3.50 - 5.00
	FOCUSING, ELECTRICAL IMPEDENCE	4.10	IVIIII		3.50 - 5.00
PACKED CELL VOLUN	VIE (PCV) automated hematology analyzer	32.7 ^L	%		37.0 - 50.0
MEAN CORPUSCULA	AR VOLUME (MCV)	78.1 ^L	fL		80.0 - 100.0
	AUTOMATED HEMATOLOGY ANALYZER	24 ^L	pg		27.0 - 34.0
by CALCULATED BY	AUTOMATED HEMATOLOGY ANALYZER				
	AR HEMOGLOBIN CONC. (MCHC) AUTOMATED HEMATOLOGY ANALYZER	30.8 ^L	g/dl	-	32.0 - 36.0
RED CELL DISTRIBU	TION WIDTH (RDW-CV)	16.3 ^H	%		11.00 - 16.00
-	AUTOMATED HEMATOLOGY ANALYZER	47.5	fL		35.0 - 56.0
by CALCULATED BY A	AUTOMATED HEMATOLOGY ANALYZER				
MENTZERS INDEX by CALCULATED		18.68	RAT	10	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDE	EX	30.25	RAT	10	BETA THALASSEMIA TRAIT: < =
by CALCULATED					65.0
WHITE BLOOD CELL	S (MBCS)				IRON DEFICIENCY ANEMIA: > 65.0
TOTAL LEUCOCYTE (8400	/cmi	m	4000 - 11000
	Y BY SF CUBE & MICROSCOPY	0400	/cm		
NUCLEATED RED BL by CALCULATED BY A MICROSCOPY	OOD CELLS (nRBCS) automated hematology analyzer &	NIL			0.00 - 20.00
NUCLEATED RED BL	OOD CELLS (nRBCS) % automated hematology analyzer &	NIL	%		< 10 %

DIFFERENTIAL LEUCOCYTE COUNT (DLC)



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology & Microbiology) MD (Pathology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. PUSHPA RANI **AGE/ GENDER** : 48 YRS/FEMALE **PATIENT ID** :1545596 **COLLECTED BY** :012407110044 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 11/Jul/2024 01:04 PM **BARCODE NO.** :01512940 **COLLECTION DATE** :11/Jul/2024 01:06PM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :11/Jul/2024 01:38PM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval NEUTROPHILS** 75^H % 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 20 - 40 16^L % by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 3 EOSINOPHILS % 1-6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY % 2 - 12 MONOCYTES 6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY **ABSOLUTE LEUKOCYTES (WBC) COUNT** 2000 - 7500 ABSOLUTE NEUTROPHIL COUNT 6300 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LYMPHOCYTE COUNT 800 - 4900 1344 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 252 40 - 440 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 504 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE BASOPHIL COUNT 0 /cmm 0 - 110 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. 374000 150000 - 450000 PLATELET COUNT (PLT) /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.10 - 0.36 0.44^H % by HYDRO DYNAMIĆ FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 12 fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCC) 30000 - 90000 145000^H /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 38.8 % 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 15.0 - 17.0 16.1 %

by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD

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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 11/Jul/2024 02:41PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT	
Test Name		Value Unit	Biological Reference interval
	ERYTH	IROCYTE SEDIMENTATION RATE (ES	R)
	MENTATION RATE (ESR)	87 ^H mm/1st	hr 0 - 20
1. ESR is a non-speci- immune disease, but 2. An ESR can be affe as C-reactive proteir 3. This test may also systemic lupus eryth CONDITION WITH LO	t does not tell the health practitio ected by other conditions besides be used to monitor disease activ ematosus W ESR	ner exactly where the inflammation is in the inflammation. For this reason, the ESR is ty ity and response to therapy in both of the a	pically used in conjunction with other test such bove diseases as well as some others, such as
CONDITION WITH LO	WESR on with conditions that inhibit the	e normal sedimentation of red blood cells, s bunt (leucocytosis) , and some protein abno SR.	uch as a high red blood cell count rmalities. Some changes in red cell shape

NOTE:

(A Unit of KOS Healthcare)

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





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	Dr. Vinay Chopi MD (Pathology & Mic Chairman & Consulta	crobiology) MD	n Chopra D (Pathology) at Pathologist
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CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 11/Jul/2024 02:12PM
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Test Name		Value Unit	Biological Reference interval

PERIPHERAL BLOOD SMEAR FOR MALARIA

PERIPHERAL BLOOD SMEAR FOR MALARIAL PARASITE (MP) by MICROSCOPY NO MALARIA PARASITE (MP) SEEN IN SMEAR EXAMINED



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	MBALA CANT	Т		
Test Name		Value	Unit	Biological Reference interval	
			ISTRY/BIOCHEMISTR ON TEST (COMPLETE)	Y	
BILIRUBIN TOTAL: SERUM by DIAZOTIZATION, SPECTROPHOTOMETRY		0.54	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20	
	CONJUGATED): SERUM	0.17	mg/dL	0.00 - 0.40	
	(UNCONJUGATED): SERUM	0.37	mg/dL	0.10 - 1.00	
SGOT/AST: SERUM		15.5	U/L	7.00 - 45.00	
SGPT/ALT: SERUM	(RIDOXAL PHOSPHATE	11.8	U/L	0.00 - 49.00	
	RIDOXAL PHOSPHATE				
AST/ALT RATIO: SER		1.31	RATIO	0.00 - 46.00	
ALKALINE PHOSPHA	ECTROPHOTOMETRY TASE: SERLIM	107.8	U/L	40.0 - 130.0	
	IYL PHOSPHATASE BY AMINO METHYL	107.0	0/1	10.0	
GAMMA GLUTAMYL by szasz, spectrof	_ TRANSFERASE (GGT): SERUM	18.33	U/L	0.00 - 55.0	
TOTAL PROTEINS: SE	ERUM	6.71	gm/dL	6.20 - 8.00	
ALBUMIN: SERUM		3.69	gm/dL	3.50 - 5.50	
by BROMOCRESOL G	BREEN		J. J		
GLOBULIN: SERUM		3.02	gm/dL	2.30 - 3.50	
	ECTROPHOTOMETRY	1.00	DATIO	1.000.00	
A : G RATIO: SERUM	 ECTROPHOTOMETRY	1.22	RATIO	1.00 - 2.00	
INTEDDETATION					

INTERPRETATION

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



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT	,	
Test Name		Value	Unit	Biological Reference interval
INTRAHEPATIC CHOL	ESTATIS		> 1.5	
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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		h opra & Microbiology) nsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. PUSHPA RANI			
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		KIDNEY FUNCTIO	N TEST (BASIC)	
UREA: SERUM by UREASE - GLUTAM	ATE DEHYDROGENASE (GLDH)	15.95	mg/dL	10.00 - 50.00
CREATININE: SERUN by ENZYMATIC, SPEC		0.83	mg/dL	0.40 - 1.20
BLOOD UREA NITRO	GEN (BUN): SERUM <i>стгорнотометегу</i>	7.45	mg/dL	7.0 - 25.0
	GEN (BUN)/CREATININE	8.98 ^L	RATIO	10.0 - 20.0
by CALCULATED, SPE UREA/CREATININE R	E CTROPHOTOMETERY ATIO: SERUM CTROPHOTOMETERY	19.22	RATIO	
URIC ACID: SERUM by URICASE - OXIDAS	E PEROXIDASE	2.53	mg/dL	2.50 - 6.80





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LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBA			
Test Name		Value Unit	Biological Reference interval	
3.GI hemorrhage. 4.High protein intake 5.Impaired renal fun 6.Excess protein inta burns, surgery, cache 7.Urine reabsorption 8.Reduced muscle m 9.Certain drugs (e.g. 1) INCREASED RATIO (>2) 1.Postrenal azotemia 2.Prerenal azotemia DECREASED RATIO (<) 1.Acute tubular necr 2.Low protein diet ar 3.Severe liver disease 4.Other causes of de 5.Repeated dialysis (6.Inherited hyperam 7.SIADH (syndrome c 3.Pregnancy. DECREASED RATIO (<) 1.Phenacimide thera 2.Rhabdomyolysis (r 3.Muscular patients INAPPROPIATE RATIO 1.Diabetic ketoacido should produce an ir	ction plus . ke or production or tissue breakdown (xia, high fever). (e.g. ureterocolostomy) ass (subnormal creatinine production) ietracycline, glucocorticoids) 20:1) WITH ELEVATED CREATININE LEVEL (BUN rises disproportionately more th superimposed on renal disease. 10:1) WITH DECREASED BUN : osis. di starvation. e. creased urea synthesis. urea rather than creatinine diffuses ou monemias (urea is virtually absent in b if inappropiate antidiuretic harmone) du 10:1) WITH INCREASED CREATININE: py (accelerates conversion of creatine t eleases muscle creatinine). who develop renal failure.	S : an creatinine) (e.g. obstructive uropa t of extracellular fluid). lood). ue to tubular secretion of urea. to creatinine).	osis, Cushings syndrome, high protein diet, thy). gies,resulting in normal ratio when dehydratio	
	DR.VINAY CHOPRA	Jhopro DR.YUGAM CHOPRA		

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CONSULTANT PATHOLOGIST

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CI IENT ADDDECC	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
ULIENI ADDRESS				
CLIENT ADDRESS Test Name		Value	Unit	Biological Reference interval
	IN	Value 1MUNOPATHOLO0		Biological Reference interval
	IN		GY/SEROLOGY	Biological Reference interval
Test Name	IV N (CRP) QUANTITATIVE:	IMUNOPATHOLOG	GY/SEROLOGY	Biological Reference interval
Test Name		IMUNOPATHOLOG	GY/SEROLOGY TEIN (CRP)	

ss activity of inflammatory disease, to detect infections after surgery, to detect transplant uantitativ 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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CLIENT ADDRESS	: 6349/1, NICHO	LSON ROAD, AME	BALA CANTT		
Test Name			Value	Unit	Biological Reference interval
	D	ENGUE FEVER CO	MBO SCREEI	NING - (NS1 ANTIGEN, IgG	AND IgM)
DENGUE NS1 ANTIGEN - by ICT (IMMUNOCHROMAT		NEGATI	/E (-ve)		NEGATIVE (-ve)
DENGUE ANTIBODY IgG by ICT (IMMUNOCHROMAT	- SCREENING	NEGATI	/E (-ve)		NEGATIVE (-ve)
DENGUE ANTIBODY IgM	- SCREENING	NEGATI	/E (-ve)		NEGATIVE (-ve)

INTERPRETATION:-

7. This is a solid phase immunochromatographic ELISA test for the qualitative detection of the specific IgG and IgM antibodies against the Dengue virus. 2. The IgM antibodies take a minimum of 5-10 days in primary infection and 4-5 days in secondary infections to test positive and hence are suitable for the diagnosis of

dengue fever only when the fever is approximately one week old.

3. The IgG antibodies develop at least two weeks after exposure to primary infection and subsequently remain positive for the rest of the life. A positive result is incapable of differentiating a current infection from a past infection.

4. The Dengue NS-1 antigen test is most suited for early diagnosis (within the first week of exposure).





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CI IENT ADDESS	· 6240/1 NICHOI SON DOAL			
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANTT Value	Unit	Biological Reference interval
				Biological Reference interval
	10	Value		Biological Reference interval
Test Name SALMONELLA TYPH	I О атіол I Н	Value WIDAL SLIDE AGGLU	TINATION TEST	
Test Name SALMONELLA TYPH by SLIDE AGGLUTINA SALMONELLA TYPH	I О атіол I Н атіол ТҮРНІ АН	Value WIDAL SLIDE AGGLU 1 : 80	TINATION TEST TITRE	1 : 80

KOS Diagnostic Lab (A Unit of KOS Healthcare)

INTERPRETATION:

1. Titres of 1:80 or more for "O" agglutinin is considered significant.

2. Titres of 1:160 or more for "H" agglutinin is considered significant.

LIMITATIONS:

1.Agglutinins usually appear by 5th to 6th day of illness of enteric fever, hence a negative result in early stage is inconclusive. The titre then rises till 3rd or 4th week, after which it declines gradually.

2.Lower titres may be found in normal individuals.

3.A single positive result has less significance than the rising agglutination titre, since demonstration of rising titre four or more in 1st and 3rd week is considered as a definite evidence of infection.

4.A simultaneous rise in H agglutinins is suggestive of paratyphoid infection.

NOTE:

1. Individuals with prior infection or immunization with TAB vaccine may develop an ANAMNESTIC RESPONSE (False-Positive) during an unrelated fever i.e High titres of antibodies to various antigens. This may be differentiated by repitition of the test after a week.

2. The anamnestic response shows only a transient rise, while in enteric fever rise is sustained.

3.H agglutinins tend to persist for many months after vaccination but O agglutinins tend to disappear sooner i.e within 6 months. Therefore rise in Oagglutinins indicate recent infection.

*** End Of Report ***





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