



	Dr. Vinay Chopr MD (Pathology & Micr Chairman & Consultar	robiology)	M	m Chopra D (Pathology) Int Pathologist
NAME	: Baby. NAYRA PRASHAR			
AGE/ GENDER	: 8 YRS/FEMALE		PATIENT ID	: 1545718
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	:012407110045
REFERRED BY	:		REGISTRATION DATE	: 11/Jul/2024 02:04 PM
BARCODE NO.	: 01512941		COLLECTION DATE	: 11/Jul/2024 02:06PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 11/Jul/2024 02:22PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANT	Т	
Test Name		Value	Unit	Biological Reference interval
		HAEI	MATOLOGY	
	CON	APLETE B	LOOD COUNT (CBC)	
RED BLOOD CELLS (R	BCS) COUNT AND INDICES			
HAEMOGLOBIN (HB)		13.6	gm/dL	12.0 - 16.0
RED BLOOD CELL (RE	C) COUNT FOCUSING, ELECTRICAL IMPEDENCE	5.61 ^H	Million	s/cmm 3.50 - 5.50
PACKED CELL VOLUN		42.4	%	35.0 - 49.0
MEAN CORPUSCULA		75.5 ^L	fL	80.0 - 100.0
MEAN CORPUSCULA	R HAEMOGLOBIN (MCH)	24.2 ^L	pg	27.0 - 34.0
MEAN CORPUSCULA	R HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	32.1	g/dL	32.0 - 36.0
RED CELL DISTRIBUT	ION WIDTH (RDW-CV) UTOMATED HEMATOLOGY ANALYZER	14.5	%	11.00 - 16.00
RED CELL DISTRIBUT	ION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	41	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED	STOWATED HEIVINTOLOGIT AINALIZER	13.46	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDE	Х	19.48	RATIO	BETA THALASSEMIA TRAIT: < =
by CALCULATED				65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS				
TOTAL LEUCOCYTE C	OUNT (TLC) / by sf cube & microscopy	9090	/cmm	4000 - 12000
NUCLEATED RED BLC		NIL		0.00 - 20.00
NUCLEATED RED BLC	DOD CELLS (nRBCS) % <i>UTOMATED HEMATOLOGY ANALYZER</i> &	NIL	%	< 10 %

DIFFERENTIAL LEUCOCYTE COUNT (DLC)



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

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

KOS Central Lab:6349/1, Nicholson Road, Ambala Cantt -133 001, HaryanaKOS Molecular Lab:IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana0171-2643898, +91 99910 43898care@koshealthcare.comwww.koshealthcare.comwww.koshealthcare.com



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 : Baby. NAYRA PRASHAR **AGE/ GENDER** : 8 YRS/FEMALE **PATIENT ID** :1545718 **COLLECTED BY** : SURJESH :012407110045 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** : 11/Jul/2024 02:04 PM : **BARCODE NO.** :01512941 **COLLECTION DATE** :11/Jul/2024 02:06PM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :11/Jul/2024 02:22PM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Test Name Value Unit **Biological Reference interval** % NEUTROPHILS 58 50 - 70 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY LYMPHOCYTES 32 % 20 - 45 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 2 % 1-6 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY % MONOCYTES 8 3 - 12 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 % 0 - 1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LEUKOCYTES (WBC) COUNT ABSOLUTE NEUTROPHIL COUNT 5272 /cmm 2000 - 7500 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY 2909 800 - 4900 ABSOLUTE LYMPHOCYTE COUNT /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 182 40 - 440 /cmm by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 727 80 - 880 /cmm 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. PLATELET COUNT (PLT) 429000 /cmm 150000 - 450000 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELETCRIT (PCT) 0.36^H 0.10 - 0.36 % by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 8 fl 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE 30000 - 90000 PLATELET LARGE CELL COUNT (P-LCC) 70000 /cmm by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 16.3 % 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 15.7 % 15.0 - 17.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE

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



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







	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologi		(Pathology)
NAME	: Baby. NAYRA PRASHAR		
AGE/ GENDER	: 8 YRS/FEMALE	PATIENT ID	: 1545718
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012407110045
REFERRED BY	:	REGISTRATION DATE	: 11/Jul/2024 02:04 PM
BARCODE NO.	:01512941	COLLECTION DATE	: 11/Jul/2024 02:06PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 11/Jul/2024 02:22PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT	ſ	
Test Name	Value	Unit	Biological Reference interval





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

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







	ME	r. Vinay Chop D (Pathology & M airman & Consult	icrobiology)	Dr. Yugan MD CEO & Consultant	(Pathology)	
NAME	: Baby. NAYRA I	PRASHAR				
AGE/ GENDER	: 8 YRS/FEMALE		P	ATIENT ID	: 1545718	
COLLECTED BY	: SURJESH		R	EG. NO./LAB NO.	:012407110045	
REFERRED BY	:		R	EGISTRATION DATE	: 11/Jul/2024 02:04 PM	
BARCODE NO.	:01512941		C	DLLECTION DATE	: 11/Jul/2024 02:06PM	
CLIENT CODE.	: KOS DIAGNOST	IC LAB	R	EPORTING DATE	: 11/Jul/2024 03:15PM	
CLIENT ADDRESS	: 6349/1, NICHO	LSON ROAD, AM	ÍBALA CANTT			
Test Name			Value	Unit	Biological Refere	nce interval
		ERYTHR	OCYTE SEDIMI	ENTATION RATE (ES	R)	
ERYTHROCYTE SEDIN by MODIFIED WESTER		(ESR)	7	mm/1st h		
as C-reactive protein 3. This test may also systemic lupus erythe CONDITION WITH LON A low ESR can be see (polycythaemia), sigr as sickle cells in sickl NOTE: 1. ESR and C - reactive 2. Generally, ESR doe 3. CRP is not affected 4. If the ESR is elevate 5. Women tend to ha	be used to monitor ematosus W ESR in with conditions t ificantly high white e cell anaemia) als e protein (C-RP) are s not change as rap by as many other f ed, it is typically a r ve a higher ESR, an ran, methyldopa, c	disease activity hat inhibit the nd e blood cell coun o lower the ESR. both markers o pidly as does CRF actors as is ESR, i result of two type d menstruation a pral contraceptiv	and response to ormal sedimentar of (leucocytosis) , f inflammation. P, either at the sta making it a better es of proteins, gle and pregnancy ca	therapy in both of the a ion of red blood cells, s and some protein abno art of inflammation or a marker of inflammation bbulins or fibrinogen. n cause temporary eleva	1.	others, such as unt d cell shape (such





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

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







	M	r. Vinay Chopra D (Pathology & Microbiology) hairman & Consultant Patholo		(Pathology)
NAME	: Baby. NAYRA	PRASHAR		
AGE/ GENDER	: 8 YRS/FEMALE		PATIENT ID	: 1545718
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012407110045
REFERRED BY	:		REGISTRATION DATE	: 11/Jul/2024 02:04 PM
BARCODE NO.	:01512941		COLLECTION DATE	: 11/Jul/2024 02:06PM
CLIENT CODE.	: KOS DIAGNOS	TIC LAB	REPORTING DATE	: 11/Jul/2024 02:52PM
CLIENT ADDRESS	: 6349/1, NICHO	DLSON ROAD, AMBALA CAN	ГТ	
Test Name		Value	Unit	Biological Reference interval
			IISTRY/BIOCHEMISTR)V
			JRIC ACID	
JRIC ACID: SERUM by URICASE - OXIDAS		3.96	mg/dL	2.50 - 6.80
5. Psoriasis. 6. Sickle cell anaemia (B). DUE TO DECREASE 1. Alcohol ingestion. 2. Thiazide diuretics. 3. Lactic acidosis. 4. Aspirin ingestion (I	ED EXCREATION (BY ess than 2 grams p sis or starvation.			
6.Renal failure due to DECREASED:- (A).DUE TO DIETARY I 1.Dietary deficiency of 2.Fanconi syndrome 3.Multiple sclerosis 4.Syndrome of inapp (B).DUE TO INCREASE	DEFICIENCY of Zinc, Iron and me & Wilsons disease ropriate antidiuret D EXCREATION	ic hormone (SIADH) secretion		ids and ACTH, anti-coagulants and estrogens etc





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



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





	Dr. Vinay Ch MD (Pathology &		Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Baby. NAYRA PRASHAR	sultant Pathologist	CEO & Consultant	rathologist
AGE/ GENDER	: 8 YRS/FEMALE	PAT	IENT ID	: 1545718
COLLECTED BY	: SURJESH	REG	NO./LAB NO.	: 012407110045
REFERRED BY	:	REG	STRATION DATE	: 11/Jul/2024 02:04 PM
BARCODE NO.	: 01512941	COL	LECTION DATE	: 11/Jul/2024 02:06PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	DRTING DATE	: 11/Jul/2024 02:52PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		CALCIU	M	
CALCIUM: SERUM		10.2	mg/dL	8.50 - 10.60

by ARSENAZO III, SPECTROPHOTOMETRY

INTERPRETATION:-

1.Serum calcium (total) estimation is used for the diagnosis and monitoring of a wide range of disorders including diseases of bone, kidney, parathyroid gland, or gastrointestinal tract.

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.

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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)







	MD (Pathology & Chairman & Cor	s Microbiology) nsultant Pathologist	CEO & Consultant	(Pathology) Pathologist
NAME	: Baby. NAYRA PRASHAR			
AGE/ GENDER	: 8 YRS/FEMALE	PA	ATIENT ID	: 1545718
COLLECTED BY	: SURJESH	R	EG. NO./LAB NO.	: 012407110045
REFERRED BY	:	R	EGISTRATION DATE	: 11/Jul/2024 02:04 PM
BARCODE NO.	:01512941	CO	DLLECTION DATE	: 11/Jul/2024 02:06PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	R	EPORTING DATE	: 11/Jul/2024 04:41PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		РНОЅРН	OROUS	
PHOSPHOROUS: SEI	RUM DATE, SPECTROPHOTOMETRY	4.88 ^H	mg/dL	2.30 - 4.70

INTERPREATION:-

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

1. Eighty-eight percent of the phosphorus contained in the body is localized in bone in the form of hydroxyapatite. The remainder is involved in intermediary carbohydrate metabolism and in physiologically important substances such as phospholipids, nucleic acids, and adenosine triphosphate (ATP).

2. Phosphorus occurs in blood in the form of inorganic phosphate and organically bound phosphoric acid. The small amount of extracellular organic phosphorus is found exclusively in the form of phospholipids.

3. Serum phosphate concentrations are dependent on meals and variation in the secretion of hormones such as parathyroid hormone (PTH) and may vary widely.

DECREASED (HYPOPHOSPHATEMIA):-

1.Shift of phosphate from extracellular to intracellular.

2.Renal phosphate wasting.

3.Loss from the gastrointestinal tract.

4.Loss from intracellular stores.

INCREASED (HYPERPHOPHATEMIA):-

1. Inability of the kidneys to excrete phosphate.

2. Increased intake or a shift of phosphate from the tissues into the extracellular fluid.

SIGNIFICANCE:-

1.Phosphate levels may be used in the diagnosis and management of a variety of disorders including bone, parathyroid and renal disease. 2.Hypophosphatemia is relatively common in hospitalized patients. Levels less than 1.5 mg/dL may result in muscle weakness, hemolysis of red cells, coma, and bone deformity and impaired bone growth.

3. The most acute problem associated with rapid elevations of serum phosphate levels is hypocalcemia with tetany, seizures, and hypotension. Soft tissue calcification is also an important long-term effect of high phosphorus levels.

4.Phosphorus levels less than 1.0 mg/dL are potentially life-threatening and are considered a critical value.

NOTE: Phosphorus has a very strong biphasic circadian rhythm. Values are lowest in the morning, peak first in the late afternoon and peak again in the late evening. The second peak is quite elevated and results may be outside the reference range



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

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





TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



KOS Diagnostic Lab (A Unit of KOS Healthcare)

		Chopra / & Microbiology) onsultant Pathologis		(Pathology)
AME	: Baby. NAYRA PRASHAR			
GE/ GENDER	: 8 YRS/FEMALE		PATIENT ID	: 1545718
OLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012407110045
EFERRED BY	:		REGISTRATION DATE	: 11/Jul/2024 02:04 PM
ARCODE NO.	: 01512941		COLLECTION DATE	: 11/Jul/2024 02:06PM
LIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 11/Jul/2024 02:52PM
LIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
est Name		Value	Unit	Biological Reference interval
		ELECTROLYTES	COMPLETE PROFILE	
odium: serum		137.3	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV OTASSIUM: SERUM	,	3.99	mmol/L	3.50 - 5.00
by ISE (ION SELECTIV		3.77	THINO//L	5.50 - 5.00
HLORIDE: SERUM		102.98	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV VTERPRETATION:-	E ELECTRODE)			
. Metabolic acidosis . Adrenocortical issi .Hepatic failure. IYPERNATREMIA (INC .Hyperapnea (Prolor	uficiency . CREASED SODIUM LEVEL) CAUS	ES:-		
Diabetes insipidus Diabetic acidosis Cushings syndrome Dehydration	2			

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

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

67







	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Patholog		(Pathology)
NAME	: Baby. NAYRA PRASHAR		
AGE/ GENDER	: 8 YRS/FEMALE	PATIENT ID	: 1545718
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012407110045
REFERRED BY	:	REGISTRATION DATE	: 11/Jul/2024 02:04 PM
BARCODE NO.	: 01512941	COLLECTION DATE	: 11/Jul/2024 02:06PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	: 11/Jul/2024 02:52PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANT	Т	
			/
Test Name	Value	Unit	Biological Reference interval

4. Hemolysis of blood



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

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







		hopra & Microbiology) nsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)	
NAME	: Baby. NAYRA PRASHAR				
AGE/ GENDER	: 8 YRS/FEMALE	PA	ATIENT ID	: 1545718	
COLLECTED BY	: SURJESH	ESH REG. NO./LAB NO.		:012407110045	
REFERRED BY	:	RI	EGISTRATION DATE	: 11/Jul/2024 02:04 PM	
BARCODE NO.	:01512941	COLLECTION DATE		: 11/Jul/2024 02:06PM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	RI	EPORTING DATE	: 12/Jul/2024 09:07AM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
		MAGNI	ESIUM		
MAGNESIUM: SERU		1.9	mg/dL	1.70 - 2.100	

INTERPRETATION:-

1. Magnesium along with potassium is a major intracellular cation.

2.Magnesium is a cofactor of many enzyme systems. All adenosine triphosphate (ATP)-dependent enzymatic reactions require magnesium as a cofactor. 3.Approximately 70% of magnesium ions are stored in bone. The remainder is involved in intermediary metabolic processes; about 70% is present in free form while the other 30% is bound to proteins (especially albumin), citrates, phosphate, and other complex formers. The serum magnesium level is kept constant within very narrow limits. Regulation takes place mainly via the kidneys, primarily via the ascending loop of Henle.

INCREASD (HYPERMAGNESIA):-Conditions that interfere with glomerular filtration result in retention of magnesium and hence elevation of serum concentrations.

1. Acute and chronic renal failure.

2.magnesium overload.

3. Magnesium release from the intracellular space.

4.Mild-to-moderate hypermagnesemia may prolong atrioventricular conduction time. Magnesium toxicity may result in central nervous system (CNS) depression, cardiac arrest, and respiratory arrest.

DECREASED (HYPOMAGNESIA):-

- 1.Chronic alcoholism.
- 2.Childhood malnutrition.
- 3. Malabsorption.
- 4. Acute pancreatitis.
- 5.Hypothyroidism.
- 6.Chronic glomerulonephritis.
- 7.Aldosteronism.
- 8. Prolonged intravenous feeding.

NOTE:-

Numerous studies have shown a correlation between magnesium deficiency and changes in calcium-, potassium-, and phosphate-homeostasis which are associated with cardiac disorders such as ventricular arrhythmias that cannot be treated by conventional therapy, increased sensitivity to digoxin, coronary artery spasms, and sudden death. Additional concurrent symptoms include neuromuscular and neuropsychiatric disorders.





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

DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST

MBBS, MD (PATHOLOGY)

KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana KOS Molecular Lab: Ilnd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana 0171-2643898, +91 99910 43898 care@koshealthcare.com www.koshealthcare.com



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





NAME	: Baby. NAYRA PRASHAR				
AGE/ GENDER	: 8 YRS/FEMALE	PAT	FIENT ID	: 1545718	
COLLECTED BY	: SURJESH	REG	G. NO./LAB NO.	: 012407110045	
REFERRED BY	:	REG	GISTRATION DATE	: 11/Jul/2024 02:04 PM	
BARCODE NO.	: 01512941	COL	LECTION DATE	: 11/Jul/2024 02:06PM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	DS DIAGNOSTIC LAB REPORTING DATE : 11/Jul/2024 02:52PM			
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interva	
	Л	MUNOPATHOLO	OGY/SEROLOGY		
		C-REACTIVE PR	OTEIN (CRP)		
C-REACTIVE PROTEII SERUM	N (CRP) QUANTITATIVE:	1.49	mg/L	0.0 - 6.0	

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.





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

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







		hopra & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Baby. NAYRA PRASHAR			
AGE/ GENDER	: 8 YRS/FEMALE	PAT	ENT ID	: 1545718
COLLECTED BY	: SURJESH	REG.	NO./LAB NO.	: 012407110045
REFERRED BY	:	REG	STRATION DATE	: 11/Jul/2024 02:04 PM
BARCODE NO.	: 01512941	COLL	ECTION DATE	: 11/Jul/2024 02:06PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	DRTING DATE	: 11/Jul/2024 02:28PM
CLIENT ADDDECC	. CO 40 /1 NICHOLCON DOAD			
CLIENT ADDRESS Test Name	: 6349/1, NICHOLSON ROAD	o, AMBALA CANTT Value	Unit	Biological Reference interval
				Biological Reference interval
	10	Value		Biological Reference interval
Test Name SALMONELLA TYPH	I О 1 <i>тіо</i> м I Н	Value VIDAL SLIDE AGGLU	TINATION TEST	
Test Name SALMONELLA TYPH by SLIDE AGGLUTINA SALMONELLA TYPH	I О I <i>ТІОN</i> I Н ITION ТҮРНІ АН	Value VIDAL SLIDE AGGLU 1 : 40	TINATION TEST TITRE	1 : 80

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.





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





	Dr. Vinay C MD (Patholog)	Chopra v & Microbiology)	Dr. Yugam MD	r Chopra (Pathology)	
		onsultant Pathologist	CEO & Consultant	Pathologist	
NAME	: Baby. NAYRA PRASHAR				
AGE/ GENDER	: 8 YRS/FEMALE	PATI	ENT ID	: 1545718	
COLLECTED BY	: SURJESH	REG.	NO./LAB NO.	: 012407110045	
REFERRED BY	:	REGI	STRATION DATE	: 11/Jul/2024 02:04 PM	
BARCODE NO.	:01512941	COLL	ECTION DATE	: 11/Jul/2024 02:06PM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPO	RTING DATE	: 11/Jul/2024 05:09PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
		CLINICAL PATH			
	CALC	UM/CREATININE RAT			
CALCIUM: RANDOM by ARSENAZO III, SPE		0.48	mg/dL	UNDEFINED	
CREATININE: RANDO	OM URINE	32.44	mg/dL	2 -149	
CALCIUM/CREATINI	NE RATIO - RANDOM URINE	0.01	RATIO	NORMAL: < 0.14 HYPERCALCIURIA: > 0.20	
		*** End Of Report	* * *		

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: Ilnd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana 0171-2643898, +91 99910 43898 care@koshealthcare.com www.koshealthcare.com

