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

A PIONEER DIAGNOSTIC CENTRE

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

YRS/FEMALE 05701	PATIENT ID REG. NO./LAB NO. REGISTRATION DATE	: 1674745 <b>: 1224111180002</b> : 18/Nov/2024 08:42 AM		
05701				
05701	<b>REGISTRATION DATE</b>	· 18/Nov/2024 08:42 AM		
05701		· 10/ 1107/ 202 1 00. 12 / 111		
	COLLECTION DATE	: 18/Nov/2024 09:08AM		
R JAIN HEALTHCARE INSTITUTE	<b>REPORTING DATE</b>	: 18/Nov/2024 11:20AM		
: NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA				
Valu	ue Unit	<b>Biological Reference interval</b>		
		'nY		
	8 mg/dL	2.30 - 4.70		
SP	Val CLINICAL CHI F 3.2 SPECTROPHOTOMETRY	Value Unit CLINICAL CHEMISTRY/BIOCHEMIST PHOSPHOROUS 3.28 mg/dL		

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)

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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2.50 - 6.80

mg/dL

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NAME	: Mrs. SUNEHRI DEVI			
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CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMI	BALA CITY - HA	RYANA	
Test Name		Value	Unit	Biological Reference interva
	KID	NEY FUNCT	TON TEST (BASIC)	
UREA: SERUM by UREASE - GLUTAN	IATE DEHYDROGENASE (GLDH)	83.66 <sup>H</sup>	mg/dL	10.00 - 50.00
CREATININE: SERU		2.25 <sup>H</sup>	mg/dL	0.40 - 1.20
	COGEN (BUN): SERUM	39.09 <sup>H</sup>	mg/dL	7.0 - 25.0
BLOOD UREA NITROGEN (BUN)/CREATININE RATIO: SERUM by CALCULATED, SPECTROPHOTOMETERY		17.37	RATIO	10.0 - 20.0
UREA/CREATININ		37.18	RATIO	

6.14

URIC ACID: SERUM by URICASE - OXIDASE PEROXIDASE





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CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBALA C	ITY - HARYANA	
Test Name	Va	lue Unit	Biological Reference interval
To Differentiate betw <b>INCREASED RATIO</b> (>2 1.Prerenal azotemia glomerular filtration 2.Catabolic states wi 3.GI hemorrhage. 4.High protein intake 5.Impaired renal fun- 6.Excess protein intal burns, surgery, cache 7.Urine reabsorption 8.Reduced muscle m 9.Certain drugs (e.g. t <b>INCREASED RATIO</b> (>2 1.Postrenal azotemia 2.Prerenal azotemia 2.Prerenal azotemia 2.Prerenal azotemia 3.Severe liver disease 4.Other causes of de 5.Repeated dialysis ( 6.Inherited hyperam 7.SIADH (syndrome o 8.Pregnancy. <b>DECREASED RATIO</b> (< 1.Phenacimide thera 2.Rhabdomyolysis (rs 3.Muscular patients <b>INAPPROPIATE RATIO</b> 1.Diabetic ketoacido should produce an in	rate. th increased tissue breakdown. ke or production or tissue breakdown (e.g. xia, high fever). (e.g. ureterocolostomy) ass (subnormal creatinine production) tetracycline, glucocorticoids) <b>20:1) WITH ELEVATED CREATININE LEVELS:</b> (BUN rises disproportionately more than superimposed on renal disease. <b>10:1) WITH DECREASED BUN :</b> osis. Id starvation. creased urea synthesis. urea rather than creatinine diffuses out of monemias (urea is virtually absent in bloc of inappropiate antidiuretic harmone) due <b>10:1) WITH INCREASED CREATININE:</b> py (accelerates conversion of creatine to c eleases muscle creatinine). who develop renal failure.	p. infection, GI bleeding, thyroto <b>PICP</b> creatinine) (e.g. obstructive u of extracellular fluid). to tubular secretion of urea. creatinine). creatinine with certain methor	on, dehydration, blood loss) due to decreased toxicosis, Cushings syndrome, high protein diet, ropathy).





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Test Name		Value	Unit	<b>Biological Reference interval</b>	
	ELECTRO	LYTES PROFILE	: SODIUM AND POTA	ASSIUM	
SODIUM: SERUM by ISE (ION SELECTIV		135.8	mmol/L	135.0 - 150.0	
POTASSIUM: SERU by ISE (ION SELECTIV	M	4.86	mmol/L	3.50 - 5.00	
INTERPRETATION:- SODIUM:-					
5. Metabolic acidosi 6. Adrenocortical iss 7.Hepatic failure. HYPERNATREMIA (IN 1.Hyperapnea (Prolo 2.Diabetes insipidus 3.Diabetic acidosis 4.Cushings syndrome 5.Dehydration	uficiency . C <b>REASED SODIUM LEVEL) CAUS</b> nged)	ES:-			
released in the blood HYPOKALEMIA (LOW 1.Diarrhoea, vomitin 2. Severe Burns. 3.Increased Secretion	I. <b>POTASSIUM LEVELS):-</b> g & malabsorption. as of Aldosterone <b>REASED POTASSIUM LEVELS):-</b> bock is	uid. 90% of potassiu	m is concentrated within t	the cells. When cells are damaged, potassiun	
,		*** End Of Re	port ***		
	DE VINAY CHOPEA	-	hopra		

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#### **NOT VALID FOR MEDICO LEGAL PURPOSE**

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Page 4 of 5