

A PIONEER DIAGNOSTIC CENTRE

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

NAME	: Mrs. JASWANT KAUR					
AGE/ GENDER	: 60 YRS/FEMALE	PATIENT ID	: 1706348			
COLLECTED BY	:	REG. NO./LAB NO.	: 122412230007			
REFERRED BY	:	REGISTRATION DATE	: 23/Dec/2024 11:32 AM : 23/Dec/2024 11:43AM : 23/Dec/2024 02:45PM			
BARCODE NO.	: 12506267	COLLECTION DATE				
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTITUTE	REPORTING DATE				
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA					
Test Name	Value	Unit	Biological Reference interva			
restrume						
	CLINICAL CHEM	IISTRY/BIOCHEMIST	RY			
		IISTRY/BIOCHEMIST DSPHOROUS	RY			

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



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2.50 - 6.80

mg/dL

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Test Name		Value	Unit	Biological Reference interva
Test Name		Value	Unit	Biological Reference interva
Test Name	KID			Biological Reference interva
UREA: SERUM	KID	Value NEY FUNCTION 54.33 ^H		Biological Reference interva
UREA: SERUM	ate dehydrogenase (gldh) JM	NEY FUNCTION	FEST (BASIC)	
UREA: SERUM by UREASE - GLUTAM CREATININE: SERU by ENZYMATIC, SPEC BLOOD UREA NITR	ate dehydrogenase (gldh) JM	NEY FUNCTION	TEST (BASIC) mg/dL	10.00 - 50.00
UREA: SERUM by UREASE - GLUTAM CREATININE: SERU by ENZYMATIC, SPEC BLOOD UREA NITR by CALCULATED, SPE BLOOD UREA NITR	ate dehydrogenase (gldh) JM trophotometery OGEN (BUN): SERUM	NEY FUNCTION 54.33 ^H 1.42 ^H	TEST (BASIC) mg/dL mg/dL	10.00 - 50.00 0.40 - 1.20
UREA: SERUM by urease - glutam CREATININE: SERU by enzymatic, spec BLOOD UREA NITR by calculated, spe BLOOD UREA NITR RATIO: SERUM	ATE DEHYDROGENASE (GLDH) JM TROPHOTOMETERY OGEN (BUN): SERUM CTROPHOTOMETERY	2000 2000 2000 2000 2000 2000 2000 200	FEST (BASIC) mg/dL mg/dL mg/dL	10.00 - 50.00 0.40 - 1.20 7.0 - 25.0

4.07

by CALCULATED, SPECTROPHOTOMETERY URIC ACID: SERUM by URICASE - OXIDASE PEROXIDASE



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Test Name	Value	Unit	Biological Reference interval
To Differentiate betwee INCREASED RATIO (>2 1.Prerenal azotemia 2.Catabolic states with 3.Gl hemorrhage. 4.High protein intake. 5.Impaired renal funce 6.Excess protein intake burns, surgery, cachey 7.Urine reabsorption 8.Reduced muscle ma 9.Certain drugs (e.g. t INCREASED RATIO (>2 1.Postrenal azotemia 2.Prerenal azotemia 2.Prerenal azotemia 3.Severe liver disease 4.Other causes of dec 5.Repeated dialysis (t 6.Inherited hyperamr 7.SIADH (syndrome of 8.Pregnancy. DECREASED RATIO (<1 1.Phenacimide therap 2.Rhabdomyolysis (re 3.Muscular patients INAPROPIATE RATIO 1.Diabetic ketoacidos should produce an impatients	th increased tissue breakdown. etion plus . te or production or tissue breakdown (e.g. infe- tia, high fever). (e.g. ureterocolostomy) ass (subnormal creatinine production) etracycline, glucocorticoids) 0:1) WITH ELEVATED CREATININE LEVELS: (BUN rises disproportionately more than creat uperimposed on renal disease. 0:1) WITH DECREASED BUN : biss. d starvation. treased urea synthesis. urea rather than creatinine diffuses out of ext nonemias (urea is virtually absent in blood). f inappropiate antidiuretic harmone) due to tu 0:1) WITH INCREASED CREATININE: by (accelerates conversion of creatine to creat eleases muscle creatinine). who develop renal failure.	ection, GI bleeding, thyrotoxico stinine) (e.g. obstructive uropat tracellular fluid). ubular secretion of urea. tinine).	sis, Cushings syndrome, high protein diet,





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NOT VALID FOR MEDICO LEGAL PURPOSE





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Test Name		Value	Unit	Biological Reference interval	
	ELI	ECTROLYTES CON	APLETE PROFILE		
SODIUM: SERUM	/E ELECTRODE)	141.2	mmol/L	135.0 - 150.0	
POTASSIUM: SERU		5.96 ^H	mmol/L	3.50 - 5.00	
by ISE (ION SELECTIVE ELECTRODE) CHLORIDE: SERUM by ISE (ION SELECTIVE ELECTRODE)		105.9	mmol/L	90.0 - 110.0	
<u>INTERPRETATION:-</u> SODIUM:-					
 Diuretics abuses. Salt loosing neph Metabolic acidosi Adrenocortical iss Hepatic failure. 	o diarrhea & vomiting with adeq ropathy. is. suficiency . CREASED SODIUM LEVEL) CAUSE nged)		ate salt replacement.		
POTASSIUM:- Potassium is the ma released in the blood HYPOKALEMIA (LOW		id. 90% of potassium i	s concentrated within t	he cells. When cells are damaged, potassium	





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Test Name	Value	Unit	Biological Reference interval

4. Hemolysis of blood

End Of Report *



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