

Dr. Vinay Chopra
MD (Pathology & Microbiology)
Chairman & Consultant Pathologist

Dr. Yugam Chopra
MD (Pathology)
CEO & Consultant Pathologist

NAME : Mrs. ASHA GUPTA
AGE/ GENDER : 67 YRS/FEMALE
COLLECTED BY : SURJESH
REFERRED BY :
BARCODE NO. : 01514170
CLIENT CODE. : KOS DIAGNOSTIC LAB
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

PATIENT ID : 1566154
REG. NO./LAB NO. : 012407310030
REGISTRATION DATE : 31/Jul/2024 10:17 AM
COLLECTION DATE : 31/Jul/2024 10:18AM
REPORTING DATE : 31/Jul/2024 11:40AM

Test Name	Value	Unit	Biological Reference interval
-----------	-------	------	-------------------------------

CLINICAL CHEMISTRY/BIOCHEMISTRY

LIVER FUNCTION TEST (COMPLETE)

BILIRUBIN TOTAL: SERUM <i>by DIAZOTIZATION, SPECTROPHOTOMETRY</i>	0.52	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
BILIRUBIN DIRECT (CONJUGATED): SERUM <i>by DIAZO MODIFIED, SPECTROPHOTOMETRY</i>	0.24	mg/dL	0.00 - 0.40
BILIRUBIN INDIRECT (UNCONJUGATED): SERUM <i>by CALCULATED, SPECTROPHOTOMETRY</i>	0.28	mg/dL	0.10 - 1.00
SGOT/AST: SERUM <i>by IFCC, WITHOUT PYRIDOXAL PHOSPHATE</i>	10.9	U/L	7.00 - 45.00
SGPT/ALT: SERUM <i>by IFCC, WITHOUT PYRIDOXAL PHOSPHATE</i>	14	U/L	0.00 - 49.00
AST/ALT RATIO: SERUM <i>by CALCULATED, SPECTROPHOTOMETRY</i>	0.78	RATIO	0.00 - 46.00
ALKALINE PHOSPHATASE: SERUM <i>by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL</i>	90.94	U/L	40.0 - 130.0
GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM <i>by SZASZ, SPECTROPHOTOMETRY</i>	48.4	U/L	0.00 - 55.0
TOTAL PROTEINS: SERUM <i>by BIURET, SPECTROPHOTOMETRY</i>	5.99 ^L	gm/dL	6.20 - 8.00
ALBUMIN: SERUM <i>by BROMOCRESOL GREEN</i>	3.28 ^L	gm/dL	3.50 - 5.50
GLOBULIN: SERUM <i>by CALCULATED, SPECTROPHOTOMETRY</i>	2.71	gm/dL	2.30 - 3.50
A : G RATIO: SERUM <i>by CALCULATED, SPECTROPHOTOMETRY</i>	1.21	RATIO	1.00 - 2.00

INTERPRETATION

NOTE:- To be correlated in individuals having SGOT and SGPT values higher than Normal Reference 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



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

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



Dr. Vinay Chopra
 MD (Pathology & Microbiology)
 Chairman & Consultant Pathologist

Dr. Yugam Chopra
 MD (Pathology)
 CEO & Consultant Pathologist

NAME	: Mrs. ASHA GUPTA	PATIENT ID	: 1566154
AGE/ GENDER	: 67 YRS/FEMALE	REG. NO./LAB NO.	: 012407310030
COLLECTED BY	: SURJESH	REGISTRATION DATE	: 31/Jul/2024 10:17 AM
REFERRED BY	:	COLLECTION DATE	: 31/Jul/2024 10:18AM
BARCODE NO.	: 01514170	REPORTING DATE	: 31/Jul/2024 11:40AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	Unit	Biological Reference interval
INTRAHEPATIC CHOLESTATIS	> 1.5		
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Increased)		

DECREASED:

1. Acute Hepatitis due to virus, drugs, toxins (with AST increased 3 to 10 times upper limit of normal)
2. Extra Hepatic cholestasis: 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




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


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



Dr. Vinay Chopra
MD (Pathology & Microbiology)
Chairman & Consultant Pathologist

Dr. Yugam Chopra
MD (Pathology)
CEO & Consultant Pathologist

NAME : Mrs. ASHA GUPTA
AGE/ GENDER : 67 YRS/FEMALE
COLLECTED BY : SURJESH
REFERRED BY :
BARCODE NO. : 01514170
CLIENT CODE. : KOS DIAGNOSTIC LAB
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

PATIENT ID : 1566154
REG. NO./LAB NO. : 012407310030
REGISTRATION DATE : 31/Jul/2024 10:17 AM
COLLECTION DATE : 31/Jul/2024 10:18AM
REPORTING DATE : 31/Jul/2024 11:40AM

Test Name	Value	Unit	Biological Reference interval
-----------	-------	------	-------------------------------

UREA

UREA: SERUM by UREASE - GLUTAMATE DEHYDROGENASE (GLDH)	41.12	mg/dL	10.00 - 50.00
---	-------	-------	---------------



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

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



Dr. Vinay Chopra
MD (Pathology & Microbiology)
Chairman & Consultant Pathologist

Dr. Yugam Chopra
MD (Pathology)
CEO & Consultant Pathologist

NAME : Mrs. ASHA GUPTA
AGE/ GENDER : 67 YRS/FEMALE
COLLECTED BY : SURJESH
REFERRED BY :
BARCODE NO. : 01514170
CLIENT CODE. : KOS DIAGNOSTIC LAB
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

PATIENT ID : 1566154
REG. NO./LAB NO. : 012407310030
REGISTRATION DATE : 31/Jul/2024 10:17 AM
COLLECTION DATE : 31/Jul/2024 10:18AM
REPORTING DATE : 31/Jul/2024 11:40AM

Test Name	Value	Unit	Biological Reference interval
-----------	-------	------	-------------------------------

CREATININE

CREATININE: SERUM
by ENZYMATIC, SPECTROPHOTOMETRY

1.32^H

mg/dL

0.40 - 1.20



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

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



Dr. Vinay Chopra
 MD (Pathology & Microbiology)
 Chairman & Consultant Pathologist

Dr. Yugam Chopra
 MD (Pathology)
 CEO & Consultant Pathologist

NAME	: Mrs. ASHA GUPTA	PATIENT ID	: 1566154
AGE/ GENDER	: 67 YRS/FEMALE	REG. NO./LAB NO.	: 012407310030
COLLECTED BY	: SURJESH	REGISTRATION DATE	: 31/Jul/2024 10:17 AM
REFERRED BY	:	COLLECTION DATE	: 31/Jul/2024 10:18AM
BARCODE NO.	: 01514170	REPORTING DATE	: 31/Jul/2024 11:40AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	Unit	Biological Reference interval
-----------	-------	------	-------------------------------


AMYLASE


AMYLASE - SERUM	26.89	IU/L	0 - 90
by CNPG 3 , SPECTROPHOTOMETRY			

INTERPRETATION COMMENTS

- 1.Amylase is produced in the Pancreas and most of the elevation in serum is due to increased rate of Amylase entry into the blood stream / decreased rate of clearance or both.
- 2.Serum Amylase rises within 6 to 48 hours of onset of Acute pancreatitis in 80% of patients, but is not proportional to the severity of the disease.
- 3.Activity usually returns to normal in 3-5 days in patients with milder edematous form of the disease.
- 4.Values persisting longer than this period suggest continuing necrosis of pancreas or Pseudocyst formation.
- 5.Approximately 20% of patients with Pancreatitis have normal or near normal activity.
- 6.Hyperlipemic patients with Pancreatitis also show spuriously normal Amylase levels due to suppression of Amylase activity by triglyceride.
- 7.Low Amylase levels are seen in Chronic Pancreatitis, Congestive Heart failure, 2nd & 3rd trimesters of pregnancy, Gastrointestinal cancer & bone fractures.




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


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



Dr. Vinay Chopra
 MD (Pathology & Microbiology)
 Chairman & Consultant Pathologist

Dr. Yugam Chopra
 MD (Pathology)
 CEO & Consultant Pathologist

NAME	: Mrs. ASHA GUPTA	PATIENT ID	: 1566154
AGE/ GENDER	: 67 YRS/FEMALE	REG. NO./LAB NO.	: 012407310030
COLLECTED BY	: SURJESH	REGISTRATION DATE	: 31/Jul/2024 10:17 AM
REFERRED BY	:	COLLECTION DATE	: 31/Jul/2024 10:18AM
BARCODE NO.	: 01514170	REPORTING DATE	: 31/Jul/2024 11:40AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	Unit	Biological Reference interval
-----------	-------	------	-------------------------------

LIPASE

LIPASE - SERUM 10.62 U/L 0 - 60

by METHYL RESORUFIN, SPECTROPHOTOMETRY

INTERPRETATION

1. Pancreas is the major and primary source of serum lipase though lipases are also present in liver, stomach, intestine, WBC, fat cells and milk.
2. In acute pancreatitis, serum lipase becomes elevated at the same time as amylase and remains high for 7-10 days.
3. Increased lipase activity rarely lasts longer than 14 days.
4. Prolonged increase suggests poor prognosis or presence of a cyst.
5. The combined use of serum lipase and serum amylase is effective in ruling out acute pancreatitis.

INCREASED LEVEL:

1. Acute & Chronic pancreatitis
2. Obstruction of pancreatic duct
3. Non pancreatic conditions like renal diseases, acute cholecystitis, intestinal obstruction, duodenal ulcer, alcoholism, diabetic ketoacidosis and following endoscopic retrograde cholangiopancreatography

NOTE:

1. Elevations 2 to 50 times the upper reference have been reported. The increase in serum lipase is not necessarily proportional to the severity of the attack. Normalization is not necessarily a sign of resolution.

ADVICE:

Concomitant testing of serum amylase and lipase is highly recommended to establish a diagnosis of pancreatic injury

*** End Of Report ***




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


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

