

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

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

NAME	: Mr. CHANDER SHEKHAR	PATIENT ID	: 1613953
AGE/ GENDER	: 34 YRS/MALE	REG. NO./LAB NO.	: 012409150036
COLLECTED BY	:	REGISTRATION DATE	: 15/Sep/2024 12:27 PM
REFERRED BY	:	COLLECTION DATE	: 15/Sep/2024 12:29PM
BARCODE NO.	: 01517012	REPORTING DATE	: 15/Sep/2024 05:15PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	Unit	Biological Reference interval
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CLINICAL PATHOLOGY
SEMEN ANALYSIS/SEMINOGRAM

PHYSICAL EXAMINATION

TIME OF SPECIMEN COLLECTION	15-09-2024	AM/PM	
DURATION OF ABSTINENCE	3 DAYS	DAYS	2 - 7
TYPE OF STONE	FRESH		
LIQUIFACTION TIME AT 37°C	< 30 MINS	MINS	30 - 60
VOLUME	2	ML	
COLOUR	WHITISH OPAQUE		WHITISH OPAQUE
VISCOSITY	VISCOUS		VISCOUS
pH	gH		5.0 - 7.5

AUTOMMATED SEMEN ANALYSIS, GOLD STANDARD, WHO APPROVED (SOA GOLD)

TOTAL SPERM CONCENTRATION	155.5	Millions/mL	12 - 16
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
TOTAL MOTILITY (GRADE A + GRABE B + GRADE C)	45	%	> = 42.0
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
RAPIDLY PROGRESSIVE MOTILITY (GRADE A)	21	%	> = 30.0
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
SLOWLY PROGRESSIVE MOTILITY (GRADE B)	17	%	>= 30
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
NON PROGRESSIVE MOTILITY (GRADE C)	7	%	<= 1
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
IMMOTILE	55	%	
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
MORPHOLOGY NORMAL	7	%	> = 4.0
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
MOTILE SPERM CONCENTRATION	70.3	Millions/mL	> = 6.0
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
RAPIDLY PROGRESSIVE MOTILE SPERM CONCENTRATION	32	Millions/mL	> = 5.0
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
SLOWLY PROGRESSIVE MOTILE SPERM CONCENTRATION	25.7	Millions/mL	
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.

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FUNCTIONAL SPERM CONCENTRATION <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	9.7	Millions/mL	
VELOCITY (AVERAGE PATH VELOCITY) <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	41	Mic/sec	> = 5
SPERM MOTILE INDEX (SMI) <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	215		> = 80
TOTAL PER EJACULATION			
TOTAL SPERM NUMBER <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	311	Millions/ejc.	> = 39.0
TOTAL MOTILE SPERM <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	140.6	Millions/ejc.	> = 16.0
TOTAL PROGRESSIVE MOTILE SPERM <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	115.4	Millions/ejc.	> = 12.0
TOTAL FUNCTIONAL SPERM <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	19.4	Millions/ejc.	
TOTAL MORPHOLOGY NORMAL SPERM <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	21.8	Millions/ejc.	> = 2.0
MANUAL MICROSCOPY AND MORPHOLOGY			
VITALITY <i>by MICROSCOPY</i>	70	%	
RED BLOOD CELLS (RBCs) <i>by MICROSCOPY</i>	NOT DETECTED	/HPF	NOT DETECTED
PUS CELLS <i>by MICROSCOPY</i>	2-3	/HPF	0 - 5
AGGLUTINATES <i>by MICROSCOPY</i>	NOT DETECTED		NOT DETECTED
AMORPHOUS DEPOSITS/ROUND CELLS/DEBRIS <i>by MICROSCOPY</i>	NOT DETECTED		NOT DETECTED
BACTERIA <i>by MICROSCOPY</i>	NEGATIVE (-ve)		NEGATIVE (-ve)
HEAD DEFECTS <i>by MICROSCOPY</i>	38	%	
PIN HEADS <i>by MICROSCOPY</i>	9	%	
NECK AND MID-PIECE DEFECTS <i>by MICROSCOPY</i>	26	%	



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TAIL DEFECTS <i>by MICROSCOPY</i>	17	%	
CYTOPLASMIC DROPLETS <i>by MICROSCOPY</i>	2	%	
ACROSOME/NUCLEUS DEFECTS <i>by MICROSCOPY</i>	1	%	
CHEMICAL EXAMINATION			
SEMEN FRUCTOSE (QUALITATIVE) <i>by QUALITATIVE METHOD USING RESORCINOL</i>	POSITIVE (+ve)		POSITIVE (+ve)

INTERPRETATION:

1. Fructose is the energy source for sperm motility. A positive fructose is considered normal.
2. Azoospermia and fructose negative results may indicate an absence of seminal vesicles / vas deferens in the area of seminal vesicles / obstruction of seminal vesicles.

*** End Of Report ***



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