

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

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

NAME	: Mr. PARDEEP	PATIENT ID	: 1647873
AGE/ GENDER	: 26 YRS/MALE	REG. NO./LAB NO.	: 012410190058
COLLECTED BY	:	REGISTRATION DATE	: 19/Oct/2024 01:45 PM
REFERRED BY	:	COLLECTION DATE	: 19/Oct/2024 01:47PM
BARCODE NO.	: 01519203	REPORTING DATE	: 19/Oct/2024 03:40PM
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	19-10-2024	AM/PM	
DURATION OF ABSTINENCE	3 DAYS	DAYS	2 - 7
TYPE OF SAMPLE	FRESH		
LIQUIFACTION TIME AT 37°C	< 30 MINS	MINS	30 - 60
VOLUME	2.5	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	146.4	Millions/mL	12 - 16
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
TOTAL MOTILITY (GRADE A + GRABE B + GRADE C)	51	%	> = 42.0
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
RAPIDLY PROGRESSIVE MOTILITY (GRADE A)	33	%	> = 30.0
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
SLOWLY PROGRESSIVE MOTILITY (GRADE B)	14	%	>= 30
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
NON PROGRESSIVE MOTILITY (GRADE C)	4	%	<= 1
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
IMMOTILE	49	%	
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
MORPHOLOGY NORMAL	9	%	> = 4.0
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
MOTILE SPERM CONCENTRATION	74.7	Millions/mL	> = 6.0
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
RAPIDLY PROGRESSIVE MOTILE SPERM CONCENTRATION	47.7	Millions/mL	> = 5.0
<i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>			
SLOWLY PROGRESSIVE MOTILE SPERM CONCENTRATION	19.9	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>	14.1	Millions/mL	
VELOCITY (AVERAGE PATH VELOCITY) <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	57	Mic/sec	> = 5
SPERM MOTILE INDEX (SMI) <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	526		> = 80
<u>TOTAL PER EJACULATION</u>			
TOTAL SPERM NUMBER <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	366	Millions/ejc.	> = 39.0
TOTAL MOTILE SPERM <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	186.8	Millions/ejc.	> = 16.0
TOTAL PROGRESSIVE MOTILE SPERM <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	169	Millions/ejc.	> = 12.0
TOTAL FUNCTIONAL SPERM <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	35.3	Millions/ejc.	
TOTAL MORPHOLOGY NORMAL SPERM <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i>	32.9	Millions/ejc.	> = 2.0
<u>MANUAL MICROSCOPY AND MORPHOLOGY</u>			
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>	3-6	/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>	15	%	
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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