

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

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

NAME	: Mr. JYOTI PANCHGOTRA	PATIENT ID	: 1761118
AGE/ GENDER	: 40 YRS/MALE	REG. NO./LAB NO.	: 012502180040
COLLECTED BY	:	REGISTRATION DATE	: 18/Feb/2025 11:41 AM
REFERRED BY	:	COLLECTION DATE	: 18/Feb/2025 11:43AM
BARCODE NO.	: 01525722	REPORTING DATE	: 18/Feb/2025 05:14PM
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	18-02-2025	AM/PM	
DURATION OF ABSTINENCE	3 DAYS	DAYS	2 - 7
TYPE OF SAMPLE	FRESH		
LIQUIFACTION TIME AT 37°C	< 30 MINS	MINS	30 - 60
COLOUR	WHITISH OPAQUE		WHITISH OPAQUE
VISCOSITY	VISCOUS		VISCOUS
pH	7.5		5.0 - 7.5

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

TOTAL SPERM CONCENTRATION	49.3	Millions/mL	12 - 16
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
TOTAL MOTILITY (GRADE A + GRABE B + GRADE C)	69	%	> = 42.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
RAPIDLY PROGRESSIVE MOTILITY (GRADE A)	4	%	> = 30.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
SLOWLY PROGRESSIVE MOTILITY (GRADE B)	44	%	>= 30
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
NON PROGRESSIVE MOTILITY (GRADE C)	21	%	<= 1
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
IMMOTILE	31	%	
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
MORPHOLOGY NORMAL	10	%	> = 4.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
MOTILE SPERM CONCENTRATION	33.4	Millions/mL	> = 6.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
RAPIDLY PROGRESSIVE MOTILE SPERM CONCENTRATION	1.8	Millions/mL	> = 5.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
SLOWLY PROGRESSIVE MOTILE SPERM CONCENTRATION	21.1	Millions/mL	
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
FUNCTIONAL SPERM CONCENTRATION	5.2	Millions/mL	
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
VELOCITY (AVERAGE PATH VELOCITY)	29	Mic/sec	> = 5




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by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
SPERM MOTILE INDEX (SMI)	87		> = 80
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
TOTAL PER EJACULATION			
TOTAL SPERM NUMBER	48.3	Millions/ejc.	> = 39.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
TOTAL MOTILE SPERM	33.4	Millions/ejc.	> = 16.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
TOTAL PROGRESSIVE MOTILE SPERM	22.9	Millions/ejc.	> = 12.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
TOTAL FUNCTIONAL SPERM	5.2	Millions/ejc.	
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
TOTAL MORPHOLOGY NORMAL SPERM	4.8	Millions/ejc.	> = 2.0
by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM			
MANUAL MICROSCOPY AND MORPHOLOGY			
VITALITY	78	%	
by MICROSCOPY			
RED BLOOD CELLS (RBCs)	NOT DETECTED	/HPF	NOT DETECTED
by MICROSCOPY			
PUS CELLS	5-8	/HPF	0 - 5
by MICROSCOPY			
EPITHELIAL CELLS	4-6	/HPF	ABSENT
by MICROSCOPY			
AGGLUTINATES	NOT DETECTED		NOT DETECTED
by MICROSCOPY			
AMORPHOUS DEPOSITS/ROUND CELLS/DEBRIS	NOT DETECTED		NOT DETECTED
by MICROSCOPY			
BACTERIA	NEGATIVE (-ve)		NEGATIVE (-ve)
by MICROSCOPY			
HEAD DEFECTS	37	%	
by MICROSCOPY			
PIN HEADS	10	%	
by MICROSCOPY			
NECK AND MID-PIECE DEFECTS	22	%	
by MICROSCOPY			
TAIL DEFECTS	19	%	
by MICROSCOPY			




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CYTOPLASMIC DROPLETS by MICROSCOPY	1	%	
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ACROSOME/NUCLEUS DEFECTS by MICROSCOPY	1	%	
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CHEMICAL EXAMINATION

SEMEN FRUCTOSE (QUALITATIVE)
 by QUALITATIVE METHOD USING RESORCINOL

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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