

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

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

<b>NAME</b>	: Mr. MILAN	<b>PATIENT ID</b>	: 1635971
<b>AGE/ GENDER</b>	: 19 YRS/MALE	<b>REG. NO./LAB NO.</b>	: <b>012410060012</b>
<b>COLLECTED BY</b>	:	<b>REGISTRATION DATE</b>	: 06/Oct/2024 09:41 AM
<b>REFERRED BY</b>	:	<b>COLLECTION DATE</b>	: 13/Oct/2024 03:14PM
<b>BARCODE NO.</b>	: 01518393	<b>REPORTING DATE</b>	: 13/Oct/2024 06:10PM
<b>CLIENT CODE.</b>	: KOS DIAGNOSTIC LAB		
<b>CLIENT ADDRESS</b>	: 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 EXAMINATION	13-10-2024	AM/PM	
DURATION OF ABSTINENCE	3 DAYS	DAYS	2 - 7
TYPE OF SAMPLE	Semen		
LIQUIFACTION TIME AT 37°C	< 30 MINS	MINS	30 - 60
VOLUME	0.3	ML	
APPEARANCE	WHITISH OPAQUE		
COLOUR	WHITISH OPAQUE		WHITISH OPAQUE
VISCOSITY	MILDLY VISCOUS		VISCOUS

**AUTOMATED SEMEN ANALYSIS, GOLD STANDARD, WHO APPROVED (SQA GOLD)**

TOTAL SPERM CONCENTRATION	NIL	Millions/mL	12 - 16
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			
TOTAL MOTILITY (GRADE A + GRADE B + GRADE C)	NIL	%	> = 42.0
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			
MORPHOLOGY NORMAL	NA	%	> = 4.0
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			
SPERM MOTILE INDEX (SMI)	NA		> = 80
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			

**TOTAL PER EJACULATION**

TOTAL SPERM NUMBER	NIL	Millions/ejc.	> = 39.0
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			
TOTAL MORPHOLOGY NORMAL SPERM	NA	Millions/ejc.	> = 2.0
<i>by ELECTRO-OPTICS SIGNAL &amp; COMPUTER ALOGRITHM</i>			

**MANUAL MICROSCOPY AND MORPHOLOGY**

VITALITY	NA	%	
<i>by MICROSCOPY</i>			
RED BLOOD CELLS (RBCs)	NOT DETECTED	/HPF	NOT DETECTED
<i>by MICROSCOPY</i>			
PUS CELLS	0-2	/HPF	0 - 5



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.

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Test Name	Value	Unit	Biological Reference interval
<i>by MICROSCOPY</i> AGGLUTINATES	NOT DETECTED		NOT DETECTED
<i>by MICROSCOPY</i> AMORPHOUS DEPOSITS/ROUND CELLS/DEBRIS	NOT DETECTED		NOT DETECTED
<i>by MICROSCOPY</i> BACTERIA	NEGATIVE (-ve)		NEGATIVE (-ve)
<b>CHEMICAL EXAMINATION</b> SEMEN FRUCTOSE (QUALITATIVE) <i>by QUALITATIVE METHOD USING RESORCINOL</i>	QNS		POSITIVE (+ve)
<b>IMPRESSION</b>	AZOOSPERMIA		

**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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