

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

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

| | | | |
|-----------------------|--|--------------------------|------------------------|
| NAME | : Mr. JASWINDER SINGH | PATIENT ID | : 1379524 |
| AGE/ GENDER | : 34 YRS/MALE | REG. NO./LAB NO. | : 012408130032 |
| COLLECTED BY | : | REGISTRATION DATE | : 13/Aug/2024 10:09 AM |
| REFERRED BY | : | COLLECTION DATE | : 13/Aug/2024 10:10AM |
| BARCODE NO. | : 01515001 | REPORTING DATE | : 13/Aug/2024 05:42PM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | | |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AMBALA CANTT | | |

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

CLINICAL PATHOLOGY

SEMEN ANALYSIS/SEMINOGRAM

PHYSICAL EXAMINATION

| | | | |
|-----------------------------|----------------|-------|----------------|
| TIME OF SPECIMEN COLLECTION | 13-08-2024 | 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 | 1.5 | ML | |
| COLOUR | WHITISH OPAQUE | | WHITISH OPAQUE |
| VISCOSITY | MILDLY VISCOUS | | VISCOUS |
| pH | 8 ^H | | 5.0 - 7.5 |

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

| | | | |
|--|-----|-------------|----------|
| TOTAL SPERM CONCENTRATION | 8.5 | Millions/mL | 12 - 16 |
| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM | | | |
| TOTAL MOTILITY (GRADE A + GRADE B + GRADE C) | 4 | % | > = 42.0 |
| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM | | | |
| RAPIDLY PROGRESSIVE MOTILITY (GRADE A) | 1 | % | > = 30.0 |
| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM | | | |
| SLOWLY PROGRESSIVE MOTILITY (GRADE B) | 3 | % | > = 30 |
| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM | | | |
| NON PROGRESSIVE MOTILITY (GRADE C) | 0 | % | < = 1 |
| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM | | | |
| IMMOTILE | 96 | % | |
| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM | | | |
| MORPHOLOGY NORMAL | N.A | % | > = 4.0 |
| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM | | | |
| MOTILE SPERM CONCENTRATION | 0 | Millions/mL | > = 6.0 |
| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM | | | |
| RAPIDLY PROGRESSIVE MOTILE SPERM CONCENTRATION | 0 | Millions/mL | > = 5.0 |
| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM | | | |
| SLOWLY PROGRESSIVE MOTILE SPERM CONCENTRATION | 0 | Millions/mL | |
| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM | | | |




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| FUNCTIONAL SPERM CONCENTRATION <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i> | N.A | Millions/mL | |
| VELOCITY (AVERAGE PATH VELOCITY) <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i> | 0 | Mic/sec | > = 5 |
| SPERM MOTILE INDEX (SMI) <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i> | 0 | | > = 80 |
| <u>TOTAL PER EJACULATION</u> | | | |
| TOTAL SPERM NUMBER <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i> | 12.3 | Millions/ejc. | > = 39.0 |
| TOTAL MOTILE SPERM <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i> | 32.5 | Millions/ejc. | > = 16.0 |
| TOTAL PROGRESSIVE MOTILE SPERM <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i> | 0 | Millions/ejc. | > = 12.0 |
| TOTAL FUNCTIONAL SPERM <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i> | N.A | Millions/ejc. | |
| TOTAL MORPHOLOGY NORMAL SPERM <i>by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM</i> | N.A | Millions/ejc. | > = 2.0 |
| <u>MANUAL MICROSCOPY AND MORPHOLOGY</u> | | | |
| VITALITY <i>by MICROSCOPY</i> | 58 | % | |
| RED BLOOD CELLS (RBCs) <i>by MICROSCOPY</i> | NOT DETECTED | /HPF | NOT DETECTED |
| PUS CELLS <i>by MICROSCOPY</i> | 2-4 | /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> | 10 | % | |
| NECK AND MID-PIECE DEFECTS <i>by MICROSCOPY</i> | 29 | % | |



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| TAIL DEFECTS by MICROSCOPY | 19 | % | |
| CYTOPLASMIC DROPLETS by MICROSCOPY | 2 | % | |
| ACROSOME/NUCLEUS DEFECTS by MICROSCOPY | 2 | % | |
| 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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