

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

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

NAME : Mr. JUNG BAHADUR
AGE/ GENDER : 32 YRS/MALE
COLLECTED BY :
REFERRED BY :
BARCODE NO. : 01519429
CLIENT CODE. : KOS DIAGNOSTIC LAB
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

PATIENT ID : 1576534
REG. NO./LAB NO. : 012410230048
REGISTRATION DATE : 23/Oct/2024 12:46 PM
COLLECTION DATE : 23/Oct/2024 12:49PM
REPORTING DATE : 23/Oct/2024 05:15PM

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

CLINICAL PATHOLOGY

SEMEN ANALYSIS/SEMINOGRAM

PHYSICAL EXAMINATION

| | | | |
|-----------------------------|----------------|-------|----------------|
| TIME OF SPECIMEN COLLECTION | 22-10-2024 | 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 | 1.5 | ML | |
| COLOUR | WHITISH OPAQUE | | WHITISH OPAQUE |
| VISCOSITY | VISCOUS | | VISCOUS |
| pH | 8 ^H | | 5.0 - 7.5 |

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

| | | | |
|---|------|-------------|----------|
| TOTAL SPERM CONCENTRATION by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM | 13.7 | Millions/mL | 12 - 16 |
| TOTAL MOTILITY (GRADE A + GRABE B + GRADE C) by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM | 53 | % | > = 42.0 |
| RAPIDLY PROGRESSIVE MOTILITY (GRADE A) by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM | 9 | % | > = 30.0 |
| SLOWLY PROGRESSIVE MOTILITY (GRADE B) by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM | 19 | % | >= 30 |
| NON PROGRESSIVE MOTILITY (GRADE C) by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM | 25 | % | <= 1 |
| IMMOTILE by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM | 47 | % | |
| MORPHOLOGY NORMAL by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM | 4 | % | > = 4.0 |
| MOTILE SPERM CONCENTRATION by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM | 7.2 | Millions/mL | > = 6.0 |
| RAPIDLY PROGRESSIVE MOTILE SPERM CONCENTRATION by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM | 1.2 | Millions/mL | > = 5.0 |
| SLOWLY PROGRESSIVE MOTILE SPERM CONCENTRATION by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM | 2.6 | Millions/mL | |
| FUNCTIONAL SPERM CONCENTRATION | 0.4 | Millions/mL | |



DR. VINAY CHOPRA
CONSULTANT PATHOLOGIST
MBBS, MD (PATHOLOGY & MICROBIOLOGY)

DR. YUGAM CHOPRA
CONSULTANT PATHOLOGIST
MBBS, MD (PATHOLOGY)



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

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

| | | | |
|-----------------------|--|--------------------------|------------------------|
| NAME | : Mr. JUNG BAHADUR | PATIENT ID | : 1576534 |
| AGE/ GENDER | : 32 YRS/MALE | REG. NO./LAB NO. | : 012410230048 |
| COLLECTED BY | : | REGISTRATION DATE | : 23/Oct/2024 12:46 PM |
| REFERRED BY | : | COLLECTION DATE | : 23/Oct/2024 12:49PM |
| BARCODE NO. | : 01519429 | REPORTING DATE | : 23/Oct/2024 05:15PM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | | |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AMBALA CANTT | | |

| Test Name | Value | Unit | Biological Reference interval |
|--|----------------|---------------|-------------------------------|
| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM VELOCITY (AVERAGE PATH VELOCITY) | 20 | Mic/sec | > = 5 |
| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM SPERM MOTILE INDEX (SMI) | 26 | | > = 80 |
| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL PER EJACULATION | | | |
| TOTAL SPERM NUMBER | 20.6 | Millions/ejc. | > = 39.0 |
| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL MOTILE SPERM | 10.8 | Millions/ejc. | > = 16.0 |
| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL PROGRESSIVE MOTILE SPERM | 5.7 | Millions/ejc. | > = 12.0 |
| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL FUNCTIONAL SPERM | 0.6 | Millions/ejc. | |
| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM TOTAL MORPHOLOGY NORMAL SPERM | 0.8 | Millions/ejc. | > = 2.0 |
| by ELECTRO-OPTICS SIGNAL & COMPUTER ALOGRITHM MANUAL MICROSCOPY AND MORPHOLOGY | | | |
| VITALITY | 61 | % | |
| by MICROSCOPY RED BLOOD CELLS (RBCs) | NOT DETECTED | /HPF | NOT DETECTED |
| by MICROSCOPY PUS CELLS | 2-3 | /HPF | 0 - 5 |
| 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 | 36 | % | |
| by MICROSCOPY PIN HEADS | 9 | % | |
| by MICROSCOPY NECK AND MID-PIECE DEFECTS | 27 | % | |
| by MICROSCOPY TAIL DEFECTS | 21 | % | |
| by MICROSCOPY | | | |




 DR.VINAY CHOPRA
 CONSULTANT PATHOLOGIST
 MBBS, MD (PATHOLOGY & MICROBIOLOGY)


 DR.YUGAM CHOPRA
 CONSULTANT PATHOLOGIST
 MBBS, MD (PATHOLOGY)



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

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

| | | | |
|-----------------------|--|--------------------------|------------------------|
| NAME | : Mr. JUNG BAHADUR | PATIENT ID | : 1576534 |
| AGE/ GENDER | : 32 YRS/MALE | REG. NO./LAB NO. | : 012410230048 |
| COLLECTED BY | : | REGISTRATION DATE | : 23/Oct/2024 12:46 PM |
| REFERRED BY | : | COLLECTION DATE | : 23/Oct/2024 12:49PM |
| BARCODE NO. | : 01519429 | REPORTING DATE | : 23/Oct/2024 05:15PM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | | |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AMBALA CANTT | | |

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

| | | | |
|---------------------------------------|---|---|--|
| CYTOPLASMIC DROPLETS by MICROSCOPY | 2 | % | |
|---------------------------------------|---|---|--|

| | | | |
|---|---|---|--|
| ACROSOME/NUCLEUS DEFECTS by MICROSCOPY | 1 | % | |
|---|---|---|--|

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.




 DR. VINAY CHOPRA
 CONSULTANT PATHOLOGIST
 MBBS, MD (PATHOLOGY & MICROBIOLOGY)


 DR. YUGAM CHOPRA
 CONSULTANT PATHOLOGIST
 MBBS, MD (PATHOLOGY)



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

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


| | | | |
|-----------------------|--|--------------------------|------------------------|
| NAME | : Mr. JUNG BAHADUR | PATIENT ID | : 1576534 |
| AGE/ GENDER | : 32 YRS/MALE | REG. NO./LAB NO. | : 012410230048 |
| COLLECTED BY | : | REGISTRATION DATE | : 23/Oct/2024 12:46 PM |
| REFERRED BY | : | COLLECTION DATE | : 23/Oct/2024 12:49PM |
| BARCODE NO. | : 01519429 | REPORTING DATE | : 23/Oct/2024 05:15PM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | | |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AMBALA CANTT | | |

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

*** End Of Report ***




 DR.VINAY CHOPRA
 CONSULTANT PATHOLOGIST
 MBBS, MD (PATHOLOGY & MICROBIOLOGY)


 DR.YUGAM CHOPRA
 CONSULTANT PATHOLOGIST
 MBBS, MD (PATHOLOGY)

