

## DEPARTMENT OF BIOCHEMISTRY

<b>Patient Name</b> : Mr. MOHIT KUMAR	<b>Age /Sex</b> : 47 Y(s)/Male
<b>Ref By</b> : Dr. GENERAL PHYSICIAN	<b>UMR No</b> : UMR82509
<b>Bill Date</b> : 28-Jan-23 09:39 am	<b>Bill No</b> : BIL144265
<b>Lab No</b> : BIO/23/1/1289	<b>Result No</b> : RES381996
<b>Samp.Coll</b> : 28-Jan-23 09:56 am	<b>Auth. Tim</b> : 28-Jan-2023 1:20 pm
<b>Reported On</b> : 28-Jan-23 01:20 pm	

<u>Parameter</u>	<u>Result</u>	<u>Biological Reference Interval</u>	<u>Method</u>
<b>THYROID PROFILE</b>			
T3-Free (Tri-iodothyronine-Free) :	3.4	2.0 - 4.2 pg/mL	C L I A
T4-Free (Thyroxine - Free) :	16.3	8.9 - 17.2 pg/ml	C L I A
TSH(Thyroid Stimulating Hormone). :	2.3	0.3 - 4.5 $\mu$ IU/ml	C L I A
<b>HbA1c</b> :	5.5	Non Diabetic : 4 - 6 Good Control : 6 - 7 Fair Control : 7 - 8 Poor Control : 8 - 10	Immunoturbidimetry
<b>LIPID PROFILE: SERUM</b>			
Triglycerides :	<b>115</b>	BorderLine : 150 - 199 mg/dl High : 200 - 500 mg/dl Normal : < 150 mg/dl	GPO-Trinder End Point
Total Cholesterol :	<b>205</b>	< 200 mg/dl	CHOD-PAP End Point
HDL Cholesterol :	81	Undesirable : < 40 Optimal : 40 - 59 Desirable : > 60	Enzymatic
VLDL Cholesterol :	23	2 - 30 mg/dl	
LDL Cholesterol :	<b>101</b>	0 - 100 mg/dl	
Cholestrol / HDL Ratio :	2.53	1.0 - 3.5	
<b>Serum Uric Acid</b> :	<b>1.3</b>	3.5 - 7.2 mg/dl	Uricase-Peroxidase
<b>BLOOD SUGAR FASTING AND POST PRANDIAL</b>			
<b>Fasting Blood Sugar</b> :	76	60 - 110 mg/dl	GOD-POD
<b>Blood Sugar Post Prandial</b> :	<b>157</b>	110 - 140 mg/dl	
Serum Creatinine :	1.2	0.4 - 1.4 mg/dl	Jaffe Kinetic

### LFT- LIVER FUNCTION TESTS

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<b>Lab No</b> : BIO/23/1/1289	<b>Result No</b> : RES382058
<b>Samp.Coll</b> : 28-Jan-23 09:56 am	<b>Auth. Tim</b> : 28-Jan-2023 3:49 pm
<b>Reported On</b> : 28-Jan-23 03:49 pm	

<u>Parameter</u>	<u>Result</u>	<u>Biological Reference Interval</u>	<u>Method</u>
Total Bilirubin :	0.3	0.2 - 1.2 mg/dl	Diazo
Direct Bilirubin :	0.2	0.0 - 0.3 mg/dl	Diazo
Indirect Bilirubin :	<b>0.1</b>	0.2 - 0.7 mg/dL	
SGPT :	26	05 - 40 IU/L	IFCC - Kinetic
SGOT :	28	05 - 40 IU/L	IFCC - Kinetic
AST / ALT -Ratio :	1.08		
Alkaline Phosphatase :	79	70 - 110 U/L	AMP Kinetic
Total Protein :	<b>8.6</b>	6.4 - 8.3 gm/dl	Biuret Method
Serum Albumin :	4.6	3.5 - 5.2 gm/dl	BCG Dye
Serum Globulin :	<b>4</b>	2.0 - 3.5 g/dL	
Albumin / Globulin Ratio :	<b>1.15</b>	1.2 - 2.2	
<b>PROSTATE SPECIFIC ANTIGEN(PSA)</b> :	0.59	< 4.0 ng/ml	CLIA

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<b>Bill Date</b> : 28-Jan-23 09:39 am	<b>Bill No</b> : BIL144265
<b>Lab No</b> : 144265	<b>Result No</b> : RES382080
<b>Samp.Coll</b> : 28-Jan-23 09:56 am	<b>Auth. Tim</b> : 28-Jan-2023 2:12 pm
<b>Reported On</b> : 28-Jan-23 02:12 pm	

<u>Parameter</u>	<u>Result</u>	<u>Biological Reference Interval</u>	<u>Method</u>
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Interpretation	:	Measurement of serum PSA levels is not recommended as a screening procedure for the diagnosis of cancer because elevated PSA levels also are observed in patients with benign prostatic hypertrophy. However, studies suggest that the measurement of PSA in conjunction with digital rectal examination (DRE) and ultrasound provide a better method of detecting prostate cancer than DRE alone.	
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PSA levels increase in men with cancer of the prostate, and after radical prostatectomy PSA levels routinely fall to the undetectable range. If prostatic tissue remains after surgery or metastasis has occurred, PSA appears to be useful in detecting residual and early recurrence of tumor. Therefore, serial PSA levels can help determine the success of prostatectomy, and the need for further treatment, such as radiation, endocrine or chemotherapy, and in the monitoring of the effectiveness of therapy.

<b>Blood Urea Nitrogen(BUN)</b>	:	9	6 - 21 mg/dl
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--- End Of Report ---

PHH8575



**Dr.M. VISWANATH**  
MD(PATHOLOGIST)  
CONSULTANT PATHOLOGIST

**Dr.B PRATHYUSHA**  
MD BIOCHEMIST  
CONSULTANT BIOCHEMIST

**Dr.SAMATHA**  
MD Microbiology  
CONSULTANT MICROBIOLOGIST

## DEPARTMENT OF HAEMATOLOGY

<b>Patient Name</b> : Mr. MOHIT KUMAR	<b>Age /Sex</b> : 47 Y(s)/Male
<b>Ref By</b> : Dr. GENERAL PHYSICIAN	<b>UMR No</b> : UMR82509
<b>Bill Date</b> : 28-Jan-23 09:39 am	<b>Bill No</b> : BIL144265
<b>Lab No</b> : HEM/23/1/849	<b>Result No</b> : RES381908
<b>Samp.Coll</b> : 28-Jan-23 09:56 am	<b>Auth. Tim</b> : 28-Jan-2023 1:46 pm
<b>Reported On</b> : 28-Jan-23 01:46 pm	

<u>Parameter</u>	<u>Result</u>	<u>Biological Reference Interval</u>
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### COMPLETE BLOOD PICTURE

Haemoglobin	: 13.5 gm%	13.0 - 17.0 gm%
RBC Count	: 4.7 Millions/cumm	4.5-6.5 Millions/cumm
PCV	: 41 Vol%	40 - 50 Vol%
Platelet count	: 2.2 Lakhs/Cumm	1.5 - 4.5 Lakhs/Cumm
WBC Count	: 7,000 cells/cumm	4000 - 11000 cells/cumm

### DIFFERENTIAL COUNT

NEUTROPHILS	: 62 %	40-75 %
LYMPHOCYTES	: 30 %	20 - 45 %
EOSINOPHILS	: 02 %	2-6 %
MONOCYTES	: 06 %	2-8 %
BASOPHILS	: 00 %	0 - 2 %

### SMEAR EXAMINATION

RBC	: Normocytic / Normochromic
WBC	: With In Normal Limits
Platelets	: Adequate

### BLOOD GROUPING & RH TYPING

BLOOD GROUP	: " B "	Agglutination
RH TYPING	: POSITIVE	

--- End Of Report ---

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<b>Bill Date</b> : 28-Jan-23 09:39 am	<b>Bill No</b> : BIL144265
<b>Lab No</b> : 144265	<b>Result No</b> : RES382019
<b>Samp.Coll</b> : 28-Jan-23 09:56 am	<b>Auth. Tim</b> : 28-Jan-2023 1:46 pm
<b>Reported On</b> : 28-Jan-23 01:46 pm	

**Parameter**

**Result**

**Method**

PHH8978



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**Dr.M. VISWANATH**  
MD(PATHOLOGIST)  
CONSULTANT PATHOLOGIST

**Dr.B PRATHYUSHA**  
MD BIOCHEMIST  
CONSULTANT BIOCHEMIST

**Dr.SAMATHA**  
MD Microbiology  
CONSULTANT MICROBIOLOGIST

## DEPARTMENT OF CLINICAL PATHOLOGY

<b>Patient Name</b> : Mr. MOHIT KUMAR	<b>Age /Sex</b> : 47 Y(s)/Male
<b>Ref By</b> : Dr. GENERAL PHYSICIAN	<b>UMR No</b> : UMR82509
<b>Bill Date</b> : 28-Jan-23 09:39 am	<b>Bill No</b> : BIL144265
<b>Lab No</b> : 144265	<b>Result No</b> : RES381963
<b>Samp.Coll</b> : 28-Jan-23 09:56 am	<b>Auth. Tim</b> : 28-Jan-2023 1:46 pm
<b>Reported On</b> : 28-Jan-23 01:46 pm	

<u>Parameter</u>	<u>Result</u>	<u>Biological Reference Interval</u>	
<b>ESR - ERYTHROCYTE SEDIMENT RATE</b>			
ESR - ERYTHROCYTE SEDIMENTATION RATE	45	< 15 mm	
<b>COMPLETE URINE EXAMINATION</b>			
<b><u>PHYSICAL EXAMINATION:</u></b>			
Colour	Pale Yellow		
Appearance	Clear		
pH	5.5	5.5 - 7.0	pH indicator
Specific gravity	1.025	1.010 - 1.025	Bromthymol blue indicator
<b><u>CHEMICAL EXAMINATION:</u></b>			
Urine for Sugar	Nil	0 - 2.8 mmol/L	GOD-POD
Protein	Nil	0 - 0.15 g/L	protein error of indicator
Blood	Nil	0 - 10 Cells/ $\mu$ L	
Bilirubin	Nil	0 - 0 $\mu$ mol/L	Diazonium method
Ketone bodies	Negative	0 - 0 mmol/L	Nitroprusside reaction
<b><u>MICROSCOPIC EXAMINATION:</u></b>			
Pus Cells	0-1	0 - 5 /HPF	
Epithelial Cells	0-1	0 - 8 /HPF	
RBC COUNT	Nil	0 - 2 /HPF	
Casts	Nil		
Crystals	Nil		
Others	Nil		

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<b>Lab No</b> : 144265	<b>Result No</b> : RES382055
<b>Samp.Coll</b> : 28-Jan-23 09:56 am	<b>Auth. Tim</b> : 28-Jan-2023 2:03 pm
<b>Reported On</b> : 28-Jan-23 02:03 pm	

**Parameter**

**Result**

**Biological Reference** **Method**  
**Interval**

--- End Of Report ---

PHH8575  
Verified by



*M. Viswanath*

**Dr. M. VISWANATH, MD(PATHOLOGIST)**  
**CONSULTANT PATHOLOGIST**

**Dr.M. VISWANATH**  
MD(PATHOLOGIST)  
CONSULTANT PATHOLOGIST

**Dr.B PRATHYUSHA**  
MD BIOCHEMIST  
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