

UHID	: 172533	Visit ID	: 0000328678
Patient Name	: MR. HITESH KUMAR SHAKYA	Spec No.	:
Age / Sex	: 39Y / MALE		:
Consultant	: DR. HOSPITAL CASE	Order Date	: 25/11/2023 8:41AM
Ref. By	: DR. HOSPITAL CASE	Samp.Date	:
Category	: MEDIWHEEL	Report Date	: 25/11/23 03:36PM

## X-RAY X-RAY CHEST PA. VIEW

- Cardiothoracic ratio is within normal limits.
- No significant lung lesion seen.
- Bilateral C.P. angles are clear.
- Bony cage and soft tissue normal.

### IMPRESSION

- **No Remarkable Abnormality Detected .**  
- Please correlate clinically

**Dr. SAMIR KATHALE**  
MBBS, DNB(RADIO), MNAMS, MANBD  
Fetal Ultrasound & Fetal Medicine (Fgi-BFMC)  
Reg No: CGMC-4404/2012

Please bring all your previous reports. You should preserve and bring this report for future reference.

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PATIENT NAME	: MR. HITESH KUMAR SHAKYA	ORDER DATE	: 25/11/2023 8:41:00AM
AGE/SEX	: 39Y/MALE	SAMP. DATE	: 25/11/2023 10:50:00AM
CONSULTANT DOCTOR	: HOSPITAL CASE	SPEC. NO	: 10482897
		RESULT DATE	: 25/11/2023 1:35:00PM
		TPA	: MEDIWHEEL

## DEPARTMENT OF PATHOLOGY

### LIPID PROFILE

PARAMETER	VALUE	RESULT	REFERENCE RANGE
CHOLESTEROL TOTAL	240 mg / dl	High	150 - 220
TRIGLYCERIDES - SERUM	140 mg / dl	Normal	60 - 165
HDL	46.49 mg / dl	Normal	35 - 80
LDL	165.51 mg/dL	High	90 - 160
VLDL	28.00	Normal	20 - 50
CHOL : HDL Ratio	5.16:1		3.5 - 5.5
LDL: HDL Ratio	3.56:1		-

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CONSULTANT DOCTOR	: HOSPITAL CASE	SPEC. NO	: 10482907
		RESULT DATE	: 25/11/2023 2:09:00PM
		TPA	: MEDIWHEEL

## DEPARTMENT OF PATHOLOGY

### CBC (COMPLETE BLOOD COUNT)

PARAMETER	VALUE	RESULT	REFERENCE RANGE
HAEMOGLOBIN (Hb)	18.0 gm%	High	13.5 - 17.5
TOTAL RBC COUNT	5.61 Million/cumm	Normal	4.5 - 5.9
HAEMATOCRIT (PCV)	45.5 %	Normal	41.5 - 50.4
RBC INDICES			
MCV	81.1 fl	Normal	78 - 96
MCH	32.0 pg	Normal	27 - 32
MCHC	39.5 %	High	33 - 37
RDW	13.8 %	Normal	11 - 16
TOTAL WBC COUNT (TLC)	6700 /cumm	Normal	4000 - 11000
DIFFERENTIAL COUNT			
NEUTROPHILS	58 %	Normal	0 - 75
LYMPHOCYTES	34 %	Normal	22 - 48
EOSINOPHILS	06 %	Normal	0 - 6
MONOCYTES	02 %	Normal	2 - 10
BASOPHILS	00 %	Normal	0 - 2
BANDS	00 %	Normal	0 - 5
BLAST	00 %	Normal	
PLATELET COUNT	161000 /cumm	Normal	150000 - 450000

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CONSULTANT DOCTOR	: HOSPITAL CASE	SPEC. NO	: 10482905
		RESULT DATE	: 25/11/2023 2:58:00PM
		TPA	: MEDIWHEEL

## DEPARTMENT OF PATHOLOGY

PARAMETER	VALUE	RESULT	REFERENCE RANGE
<b>BLOOD GROUPING AND RH TYPING</b>			
BLOOD GROUP	"B"	-	-
RH FACTOR	Positive	-	-
<b>BUN (BLOOD UREA NITROGEN)</b>			
BUN (BLOOD UREA NITROGEN)	15.4 mg / dl	Normal	8 - 23
<b>CREATININE</b>			
SERUM CREATININE	1.13 mg/dL	Normal	0.3 - 1.5
<b>GGT (GAMMA GLUTAMYL TRANSFERASE)</b>			
GGT (GAMMA GLUTAMYL TRANSFERASE)	23 U / L	Normal	8 - 52
<b>URIC ACID</b>			
URIC ACID	5.03 mg/dL	Normal	3.6 - 7.7

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AGE/SEX	: 39Y/MALE	SAMP. DATE	: 25/11/2023 10:50:00AM
CONSULTANT DOCTOR	: HOSPITAL CASE	SPEC. NO	: 10482898
		RESULT DATE	: 25/11/2023 4:29:00PM
		TPA	: MEDIWHEEL

## DEPARTMENT OF PATHOLOGY

### SERUM PSA TOTAL

PARAMETER	VALUE	RESULT	REFERENCE RANGE
PSA (TOTAL)	0.386 ng/ml	Normal	0 - 4

#### Note:

PSA is a member of the kallikrein-related peptidase family and is secreted by the epithelial cells of the prostate glands. PSA is produced for the ejaculate where it liquefies semen in the terminal coagulum and allows sperms to swim freely.

#### Increased value:

Elevated serum PSA concentration are found in men with prostate cancer, benign prostatic hyperplasia (BPH) or inflammatory condition of other adjacent genitourinary tissue it is an accurate marker for monitoring advancing clinical stage in untreated patients of ca prostate and for monitoring response to therapy by radical prostatectomy, radiation therapy and anti androgen therapy.

#### Clinical Use

- 1) An aid in the early detection of Prostate cancer when used in conjunction with Digital rectal examination in males more than 50 years of age and in those with two or more affected first degree relatives.
- 2) Followup and management of Prostate cancer patients
- 3) Detect metastatic or persistent disease in patients following surgical or medical treatment of Prostate cancer.

#### Note:

1) Diagnosis of a disease should not be based on the result of a single test, but should be determined in conjunction with clinical findings in association with medical judgement.

2) Patient sample containing human anti mouse antibodies (HAMA) may give falsely elevated or decreased values. Although HAMA-neutralizing agents are added, extremely high HAMA serum concentration may occasionally influence results.

3) Therapeutic intervention may strongly influence the f/t PSA ratio. Manipulations at the prostate may also lead to variations in the f/t PSA ratio.

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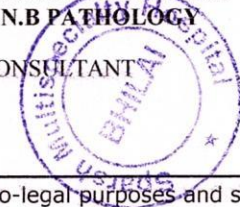
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CONSULTANT DOCTOR	: HOSPITAL CASE	SPEC. NO	: 10482900
		RESULT DATE	: 25/11/2023 3:58:00PM
		TPA	: MEDIWHEEL

## DEPARTMENT OF PATHOLOGY

PARAMETER	VALUE	RESULT	REFERENCE RANGE
<b>BLOOD SUGAR - FASTING AND PP</b>			
BLOOD SUGAR FASTING	134 mg/dL	High	80 - 120
BLOOD SUGAR PP	220 mg/dL	High	120 - 140
<b>URINE SUGAR FASTING</b>			
URINE FOR SUGAR	Nil	-	-
<b>URINE SUGAR PP</b>			
URINE FOR SUGAR	++	-	-

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CONSULTANT DOCTOR	: HOSPITAL CASE	SPEC. NO	: 10482896
		RESULT DATE	: 25/11/2023 4:28:00PM
		TPA	: MEDIWHEEL

## DEPARTMENT OF PATHOLOGY

### T3,T4 TSH

PARAMETER	VALUE	RESULT	REFERENCE RANGE
T3 (TRIIODOTHYRONINE)	1.336 ng/ml	Normal	0.69 - 2.15
T4 (THYROXINE)	91.66 ng/ml	Normal	52 - 127
TSH (THYROID STIMULATING HORMONE)	2.396 uIU/ml	Normal	0.3 - 4.5

REFERENCE GROUP REFERENCE RANGE in uIU/mL  
As per American Thyroid Association

Adult Females (> 20 years)	0.30- 4.5
Pregnancy	
1st Trimester	0.10- 2.50
2nd Trimester	0.20 - 3.00
3rd Trimester	0.30 - 3.00

#### Note:

TSH levels are subject to circadian variation, reaching peak levels between 2 - 4.a.m. and at a minimum between 6-10 pm . The variation is of the order of 50% . hence time of the day has influence on the measured serum TSH concentrations.

1. Recommended test for T3 and T4 is unbound fraction or free levels as it is metabolically active.
1. Physiological rise in Total T3 / T4 levels is seen in pregnancy and in patients on steroid therapy.

#### Clinical Use

- Primary Hypothyroidism
- Hyperthyroidism
- Hypothalamic - Pituitary hypothyroidism
- Inappropriate TSH secretion
- Nonthyroidal illness
- Autoimmune thyroid disease
- Pregnancy associated thyroid disorders
- Thyroid dysfunction in infancy and early childhood

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CONSULTANT DOCTOR	: HOSPITAL CASE	SPEC. NO	: 10482906
		RESULT DATE	: 25/11/2023 1:38:00PM
		TPA	: MEDIWHEEL

## DEPARTMENT OF PATHOLOGY

### HBA1c (GLYCOSYLATED HAEMOGLOBIN)

PARAMETER	VALUE	RESULT	REFERENCE RANGE
HBA1 C (GLYCOSYLATED HEAMOGLOBIN)	7.2 %	High	4 - 6

#### Interpretation

As per American diabetes Association (ADA)

Reference Group	- HbA1c In%
Non diabetic $\geq$ 18 years	- 4.0 - 6.0
At risk (Prediabetes)	- $\geq$ 6.0 to $\leq$ 6.5
Diagnosing diabetes	- $\geq$ 6.5

#### Therapeutic goals for glycemic control

- Age  $>$  19 years
- Goal of therapy:  $<$  7.0
- Action suggested:  $>$  8.0
- Age  $<$  19 years
- goal of therapy:  $<$  7.5

#### Note:

1. Since HbA1c reflects long term fluctuations in the blood glucose concentration, a diabetic patient is recently under good control may still have a high concentration of HbA1c. converse is true for a diabetic previously under good control now poorly controlled.
2. Target goals of  $<$  7.0 % may be beneficial in patient with short duration of diabetes, long life expectancy and no significant cardiovascular disease. In patient with significant complication of diabetes, limited life expectancy of extensive co-morbid condition, targeting a goal of  $<$  7.0% may not be appropriate.

#### Comments

HbA1c provides an index of average blood glucose levels over the past 8-12 weeks and is a much better indicator of long glycemic control as compared to blood and urinary glucose determination.

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CONSULTANT DOCTOR	: HOSPITAL CASE	SPEC. NO	: 10482901
		RESULT DATE	: 25/11/2023 3:42:00PM
		TPA	: MEDIWHEEL

## DEPARTMENT OF PATHOLOGY

### URINE ROUTINE AND MICROSCOPY

PARAMETER	VALUE	RESULT	REFERENCE RANGE
PHYSICAL EXAMINATION			
QUANTITY	10 ml	-	-
COLOUR	Yellow	-	-
APPEARANCE	Clear	-	-
REACTION	Acidic	-	-
CHEMICAL EXAMINATION			
ALBUMIN	Nil	-	-
SUGAR	Nil	-	-
MICROSCOPIC EXAMINATION			
EPITHELIAL CELLS	occasinol /hpf	-	0 - 5
PUS CELLS	occasinol /hpf	-	1 - 2
RBC	Nil /hpf	-	-
CAST	Nil /lpf	-	-
CRYSTAL	Nil	-	-
AMORPHOUS MATERIAL DEPOSIT	Nil	-	-
OTHERS	Nil	-	-

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		RESULT DATE	: 25/11/2023 1:36:00PM
		TPA	: MEDIWHEEL

## DEPARTMENT OF PATHOLOGY

### LFT (LIVER FUNCTION TEST)

PARAMETER	VALUE	RESULT	REFERENCE RANGE
BILIRUBIN TOTAL	0.81 mg/dL	Normal	0.1 - 1.2
BILIRUBIN DIRECT	0.26 mg / dl	Normal	0.1 - 0.6
BILIRUBIN INDIRECT	0.55 mg / dl	High	0.1 - 0.4
ALKALINE PHOSPHATASE	98 U / L	Normal	0 - 270
SGOT	30 U / L	Normal	10 - 55
SGPT	76 U / L	High	0 - 40
TOTAL PROTEIN	7.18 g / dl	Normal	6 - 8
ALBUMIN	4.81 g/dl	Normal	4 - 5
GLOBULIN	2.37 g / dl	Normal	2 - 3.5
A.G.RATIO	2.03:1		1 - 2.5

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AGE/SEX : 39Y/MALE SAMP. DATE : 25/11/2023 10:50:00AM  
CONSULTANT DOCTOR : HOSPITAL CASE SPEC. NO : 10482908  
RESULT DATE : 25/11/2023 4:30:00PM  
TPA : MEDIWHEEL

## DEPARTMENT OF PATHOLOGY

### ESR (ERYTHROCYTE SEDIMENTATION RATE)

PARAMETER	VALUE	RESULT	REFERENCE RANGE
ESR	07 mm at end of 1 hr	Normal	0 - 15

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