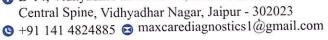


W

Dr. U. O. GUPTA MBBS, MD (Physician) MBBS, MC No. 281



B-14, Vidhyadhar Enclave - II, Near Axis Bank





### **General Physical Examination**

Date of Examination: 11 63 2023
Name:
Referred By: Bank of baveoda
Photo ID: Bank ID ID#: 115174
Ht: 170 (cm) Wt: 86 (Kg)
Chest (Expiration): 107 (cm) Abdomen Circumference: 112 (cm)
Blood Pressure: 125/85 mm Hg PR: 78 / min RR: 18 / min Temp: 125/85 mm Hg
вмі 29
eremsion
Eye Examination: RIE - 6/6 N/6 MCB
11E-6/6 N/6 NEB
Other:
Other:
On examination he/she appears physically and mentally fit: Yes / No
on examination neysne appears physically and mentally lit: Fes / No
Signature Of Examine: Name of Examinee: Neurondar Sing Rothore
Signature Medical Examiner: Name Medical Examiner On U.C. Muppe
S. MD (Physician)



# HEALTH SOLUTIONS LLP (ASSOCIATES OF MAXCARE DIAGNOSTICS)

O B-14, Vidhyadhar Enclave - II, Near Axis Bank Central Spine, Vidhyadhar Nagar, Jaipur - 302023

⊕ +91 141 4824885 maxcarediagnostics1@gmail.com

NAME :- Mr. NARENDAR SINGH RATHORE

Age :-42 Yrs 8 Mon 10 Days

Sex :-Male



Patient ID:-12223331

Date :- 11/03/2023

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-Mr.MEDIWHEEL

Final Authentication: 12/03/2023 14:44:18

#### **HAEMATOLOGY**

Test Name	Value ,	Unit	Biological Ref Interval
FULL BODY HEALTH CHECKUP ABOVE	IO MALE		
HAEMOGARAM			
HAEMOGLOBIN (Hb)	15.4	g/dL	13.0 - 17.0
TOTAL LEUCOCYTE COUNT	6.90	/cumm	4.00 - 10.00
DIFFERENTIAL LEUCOCYTE COUNT			
NEUTROPHIL '	65.0	%	40.0 - 80.0
LYMPHOCYTE	28.0	%	20.0 - 40.0
EOSINOPHIL	3.0	%	1.0 - 6.0
MONOCYTE	4.0	%	2.0 - 10.0
BASOPHIL	0.0	%	0.0 - 2.0
TOTAL RED BLOOD CELL COUNT (RBC)	5.29	x10^6/uL	4.50 - 5.50
HEMATOCRIT (HCT)	48.30	%	40.00 - 50.00
MEAN CORP VOLUME (MCV)	91.0	$\Pi$	83.0 - 101.0
MEAN CORP HB (MCH)	29.1	pg	27.0 - 32.0
MEAN CORP HB CONC (MCHC)	31.8	g/dL	31.5 - 34.5
PLATELET COUNT	196 ·	x10^3/uL	150 - 410
RDW-CV	13.7	%	11.6 - 14.0

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**Technologist** 

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DR.TANU RUNGTA MD (Pathology) RMC No. 17226



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#### HAEMATOLOGY

Erythrocyte Sedimentation Rate (ESR)

13

mm in 1st hr

00 - 15

The erythrocyte sedimentation rate (ESR or sed rate) is a relatively simple, inexpensive, non-specific test that has been used for many years to help detect inflammation associated with conditions such as infections, cancers, and autoimmune diseases.ESR is said to be a non-specific test because an elevated result often indicates the presence of inflammation but does not tell the health practitioner exactly where the inflammation is in the body or what is causing it. An ESR can be affected by other conditions besides inflammation. For this reason, the ESR is typically used in conjunction with other tests, such as C-reactive protein. ESR is used to help diagnose certain specific inflammatory diseases, including temporal arteritis, systemic vasculitis and polymyalgia rheumatica. (For more on these, read the article on Vasculitis.) A significantly elevated ESR is one of the main test results used to support the diagnosis. This test may also be used to monitor disease activity and response to therapy in both of the above diseases as well as



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**Technologist** 

Page No: 2 of 18

Janu

DR.TANU RUNGTA



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NAME :- Mr. NARENDAR SINGH RATHORE

Age:- 42 Yrs 8 Mon 10 Days

Sex :- Male



Patient ID: -12223331

Date :- 11/03/2023

1/03/2023 10:43:0

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-

Mr.MEDIWHEEL

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#### **BIOCHEMISTRY**

Test Name	29%	Value	Unit	Biological Ref Interval
FASTING BLOOD SUGAR (Plasma) Methord: GOD POD		97.9	mg/dl	70.0 - 115.0
Impaired glucose tolerance (IGT)			111 - 125 mg/dL	
Diabetes Mellitus (DM)			> 126 mg/dL	

Instrument Name: HORIBA CA60 Interpretation: Elevated glucose levels (hyperglycemia) may occur with diabetes, pancreatic neoplasm,

hyperthyroidism and adrenal cortical hyper-function as well as other disorders. Decreased glucose levels (hypoglycemia) may result from excessive insulin

therapy or various liver diseases.

BLOOD SUGAR PP (Plasma)

Methord:- GOD PAP

123.0

mg/dl

70.0 - 140.0

Instrument Name: HORIBA Interpretation: Elevated glucose levels (hyperglycemia) may occur with diabetes, pancreatic neoplasm, hyperthyroidism and adrenal cortical hyper-function as well as other disorders. Decreased glucose levels(hypoglycemia) may result from excessive insulin therapy or various liver diseases.

VIKARANTJI

Technologist Page No: 4 of 18 DR.TANU RUNGTA

MD (Pathology) RMC No. 17226

Janu



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NAME :- Mr. NARENDAR SINGH RATHORE

42 Yrs 8 Mon 10 Days Age :-

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#### **HAEMATOLOGY**

Test Name	Value	Unit	Biological Ref Interval
GLYCOSYLATED HEMOGLOBIN (HbA1C) Methord: CAPILLARY with EDTA	6.3	mg%	Non-Diabetic < 6.0 Good Control 6.0-7.0 Weak Control 7.0-8.0 Poor control > 8.0
MEAN PLASMA GLUCOSE	134 H	mg/dL	68 - 125

#### INTERPRETATION

Methord: - Calculated Parameter

AS PER AMERICAN DIABETES ASSOCIATION (ADA) Reference Group HbA1c in % Non diabetic adults >=18 years < 5.7 At risk (Prediabetes) 5.7 - 6.4 Diagnosing Diabetes >= 6.5

#### CLINICAL NOTES

In vitro quantitative determination of HbA1c in whole blood is utilized in long term monitoring of glycemia. The HbA1c level correlates with the mean glucose concentration prevailing in the course of the patient's recent history (approx - 6-8 weeks) and therefore provides much more reliable information for glycemia monitoring than do determinations of blood glucose or urinary glucose. It is recommended that the determination of HbA1c be performed at intervals of 4-6 weeks during Diabetes Mellitus therapy. Results of HbA1c should be assessed in conjunction with the patient's medical history, clinical examinations and other findings. Some of the factors that influence HbA1c and its measurement (Adapted from Gallagher et al.)

- Increased HbA1c: iron, vitamin B12 deficiency, decreased erythropoiesis.
   Decreased HbA1c: administration of erythropoietin, iron, vitamin B12, reticulocytosis, chronic liver disease
- 2. Altered Haemoglobin-Genetic or chemical alterations in hemoglobin: hemoglobinopathies, HbF, methemoglobin, may increase or decrease HbA1c.

- Increased HbA1c; alcoholism, chronic renal failure, decreased intraerythrocytic pH.
- Decreased HbA1c: certain hemoglobinopathies, increased intra-erythrocyte ph

#### 4. Erythrocyte destruction

- Increased HbA1c: increased erythrocyte life span: Splenectomy
- Decreased A1c: decreased RBC life span; hemoglobinopathies, splenomegaly, rheumatoid arthritis or drugs such as antiretrovirals, ribavirin & dapsone

- Increased HbA1c: hyperbillirubinemia, carbamylated hemoglobin, alcoholism, large doses of aspirin, chronic opiate use, chronic renal failure
   Decreased HbA1c: hypertriglyceridemia, reticulocytosis, chronic liver disease, aspirin, vitamin C and E.splenomegaly, rheumatoid arthritis or drugs

1 Shortened RBC life span -HbA1c test will not be accurate when a person has a condition that affects the average lifespan of red blood cells (RBCs), such as hemolytic anemia or blood loss. When the lifespan of RBCs in circulation is shortened, the A1c result is falsely low and is an unreliable measurement of a person's average glucose over time 2 Abnormal forms of hemoglobin – The presence of some hemoglobin variants, such as hemoglobin S in sickle cell anemia, may affect certain methods for measuring A1c. In these cases, fructosamine can be used to monitor glucose control

1 To follow patient for glycemic control test like fructosamine or glycated albumin may be performed instead.

2 Hemoglobin HPLC screen to analyze abnormal hemoglobin variant.

estimated Average Glucose (eAG) based on value calculated according to National Glycohemoglobin Standardization Program (NGSP) criteria

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**Technologist** 

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Janu DR.TANU RUNGTA



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#### **HAEMATOLOGY**

BLOOD GROUP ABO Methord:- Haemagglutination reaction "B" POSITIVE



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**Technologist** 

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Janu

DR.TANU RUNGTA MD (Pathology) RMC No. 17226



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Sex :- Male



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:- 11/03/2023 10:43:0

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-

Patient ID: -12223331

Mr.MEDIWHEEL

Final Authentication: 12/03/2023 14:44:18

#### **BIOCHEMISTRY**

Test Name	Value	Unit	Biological Ref Interval
LIPID PROFILE TOTAL CHOLESTEROL Methord:- CHOD-PAP methodology	206.00	mg/dl	Desirable <200 Borderline 200-239 High> 240
InstrumentName: MISPA PLUS Interpretation disorders.	n: Cholesterol measurements	are used in the diagnosis a	and treatments of lipid lipoprotein metabolism
TRIGLYCERIDES Methord:- GPO-TOPS methodology	129.00	mg/dl	Normal <150 Borderline high 150-199 High 200-499 Very high >500

InstrumentName:MISPA PLUS Interpretation: Triglyceride measurements are used in the diagnosis and treatment of diseases involving lipid metabolism and various endocrine disorders e.g. diabetes mellitus, nephrosis and liver obstruction.

DIRECT HDL CHOLESTEROL
Methord: - Selective inhibition Method

72.00

mo/dl

mg/dl

Male 35-80

Female 42-88

Instrument Name:MISPA PLUS Interpretation: An inverse relationship between HDL-cholesterol (HDL-C) levels in serum and the incidence/prevalence of coronary heart disease (CHD) has been demonstrated in a number of epidemiological studies. Accurate measurement of HDL-C is of vital importance when assessing patient risk from CHD. Direct measurement gives improved accuracy and reproducibility when compared to precipitation methods.

LDL CHOLESTEROL Methord:- Calculated Method	112.50	mg/dl	Optimal <100 Near Optimal/above optimal 100-129 Borderline High 130-159 High 160-189 Very High > 190
VLDL CHOLESTEROL Methord:- Calculated	25.80	mg/dl	0.00 - 80.00
T.CHOLESTEROL/HDL CHOLESTEROL RATIO Methord: Calculated	2.86		0.00 - 4.90
LDL / HDL CHOLESTEROL RATIO Methord:- Calculated	1.56		0.00 - 3.50

 Measurements in the same patient can show physiological& analytical variations. Three serialsamples 1 week apart are recommended for Total Cholesterol, Triglycerides, HDL& LDL Cholesterol.

614.06

2. As per NCEP guidelines, all adults above the age of 20 years should be screened for lipid status. Selective screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is recommended.

3. Low HDL levels are associated with Coronary Heart Disease due to insufficient HDL being available to participate in reverse cholesterol transport, the process by which cholesterol is eliminated fromperipheral tissues.

Comments: 1- ATP III suggested the addition of Non HDL Cholesterol (Total Cholesterol – HDL Cholesterol) as an indicator of all VIKARANTJI

**Technologist** 

TOTAL LIPID

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DR.TANU RUNGTA

400.00 - 1000.00



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NAME :- Mr. NARENDAR SINGH RATHORE

Age:- 42 Yrs 8 Mon 10 Days

LIVED PROFILE WITH CCT

Sex :- Male



Patient ID: -12223331

Date :- 11/03/2023

10:43:02

Ref. By Doctor:-BANK OF BARODA

Lab/Hosp :-

Company :-

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#### **BIOCHEMISTRY**

LIVER PROFILE WITH GGT			
SERUM BILIRUBIN (TOTAL) Methord:- DMSO/Diazo	0.60	mg/dI.	Infants: 0.2-8.0 mg/dL Adult - Up to - 1.2 mg/dL
SERUM BILIRUBIN (DIRECT) Methord:- DMSO/Diazo	0.19	mg/dI.	Up to 0.40 mg/dL
SERUM BILIRUBIN (INDIRECT) Methord:- Calculated	0.41	mg/dl	0.30-0.70
SGOT Methord:- IFCC	<b>210.0</b> H	U/L	Men- Up to - 37.0 Female - Up to - 31.0
PLEASE CORRELATE CLINICALLY			
SGPT Methord:- IFCC PLEASE CORRELATE CLINICALLY	188.0 H	U/L.	Men- Up to - 40.0 Female- Up to - 31.0
SERUM ALKALINE PHOSPHATASE Methord:- DGKC - SCE	64.70	ил.	53.00 - 141.00
SERUM GAMMA GT Methord: - Szasz methodology Instrument Name Randox Rx Imola Interpretation: Elevations in GGT levels are seen earlier and more pronounced than those	26.70 e with other liver enzymes	U/L in cases of obstructive jaundice and	10.00 - 45.00
metastatic neoplasms. It may reach 5 to 30 times normal levels in intra-or post- hepatic biliary obstruction. Only moderate elevations in the enzyme level (2 to 5 times n	formal)are observed with in	nfectious hepatitis	
SERUM TOTAL PROTEIN Methord:- Direct Biuret Reagent	7.10	g/dl	5.10 - 8.00
SERUM ALBUMIN Methord:- Bromocresol Green	4.80	g/dl	3.50 - 5.50
SERUM GLOBULIN Methord:- CALCULATION	2.30	gm/dl	2.20 - 3.50

Interpretation: Measurements obtained by this method are used in the diagnosis and treatment of a variety of diseases involving the liver, kidney and bone marrow as well as other metabolic or nutritional disorders.

2.09

Note:- These are group of tests that can be used to detect the presence of liver disease, distinguish among different types of liver disorders, gauge the extent of known liver damage, and monitor the response to treatment. Most liver diseases cause only mild symptoms initially, but these diseases must be detected early. Some tests are associated with functionality (e.g., albumin), some with cellular integrity (e.g., transaminase), and some with conditions

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A/G RATIO

**Technologist** 

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DR.TANU RUNGTA

1.30 - 2.50



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NAME :- Mr. NARENDAR SINGH RATHORE

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#### **BIOCHEMISTRY**

RFT / KFT WITH ELECTROLYTES

SERUM UREA Methord:- Urease/GLDH 18.80

mg/dl

10.00 - 50.00

InstrumentName: HORIBA CA 60 Interpretation: Urea measurements are used in the diagnosis and treatment of certain renal and metabolic

SERUM CREATININE Methord:- Jaffe's Method

0.76

mg/dl

Males: 0.6-1.50 mg/dl

Females: 0.6 -1.40 mg/dl

Interpretation:

Creatinine is measured primarily to assess kidney function and has certain advantages over the measurement of urea. The plasma level of creatinine is relatively independent of protein ingestion, water intake, rate of urine production and exercise. Depressed levels of plasma creatinine are rare and not clinically significant.

clinically significant. SERUM URIC ACID

6.62

mg/dl

2.40 - 7.00

InstrumentName: HORIBA YUMIZEN CA60 Daytona plus Interpretation: Elevated Urate: High purine diet, Alcohol• Renal insufficiency, Drugs, Polycythaemia vera, Malignancies, Hypothyroidism, Rare enzyme defects, Downs syndrome, Metabolic syndrome, Pregnancy, Gout.

SODIUM Methord: ISE 135.7

mmol/L

135.0 - 150.

Interpretation: Decreased sodium - Hyponatraemia Causes include: fluid or electrolyte loss, Drugs, Oedematous states, Legionnaire's disease and other chest infections, pseudonatremia, Hyperlipidaemias and paraproteinaemias, endocrine diseases. SIADH.

**POTASSIUM** 

Methord:- ISE

3.75

mmol/L

3.50 - 5.50

Interpretation: A. Elevated potassium (hyperkalaemia). Artefactual, Physiologida Vation, Drugs, Pathological states, Renal failure Adrenocortical insufficiency, metabolic acidoses, very high platelet or white cell counts B. Decreased potassium (hypokalaemia) Drugs. Liquoric, Diarrhoea and vomiting, Metabolic alkalosis, Corticosteroid excess, Oedematous state, Anorexia nervosa/bulimia

**CHLORIDE** 

Methord: ISE

97.1

mmol/L

94.0 - 110.0

Interpretation: Used for Electrolyte monitoring.

SERUM CALCIUM

10.20

mg/dl

8.10 - 11.50

InstrumentName:Rx Daytona plus Interpretation: Serum calcium levels are believed to be controlled by parathyroid hormone and vitamin D. Increases in serum PTH or vitamin D are usually associated with hypercalcemia. Hypocalcemia may be observed in hypoparathyroidism, nephrosis and pancreatitis.

SERUM TOTAL PROTEIN

7.10

g/dl

5.10 - 8.00

**Technologist** 

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DR.TANU RUNGTA

MD (Pathology) RMC No. 17226

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#### **BIOCHEMISTRY**

SERUM ALBUMIN Methord:- Bromocresol Green	4.80	g/dl	3.50 - 5.50
SERUM GLOBULIN Methord:- CALCULATION	2.30	gm/dl	2.20 - 3.50
A/G RATIO	2.09		1.30 - 2.50

Interpretation: Measurements obtained by this method are used in the diagnosis and treatment of a variety of diseases involving the liver, kidney and bone marrow as well as other metabolic or nutritional disorders.

#### INTERPRETATION

Kidney function tests are group of tests that can be used to evaluate how well the kidneys are functioning. Creatinine is a waste product that comes from protein in the diet and also comes from the normal wear and tear of muscles of the body. In blood, it is a marker of GFR in urine, it can remove the need for 24-hourcollections for many analytes or be used as a quality assurance tool to assess the accuracy of a 24-hour collection Higher levels may be a sign that the kidneys are not working properly. As kidney disease progresses, the level of creatinine and urea in the bloodincreases. Certain drugs are nephrotoxic hence KFT is done before and after initiation of treatment with these drugs.

Low serum creatinine values are rare; they almost always reflect low muscle mass.

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Technologist
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DR.TANU RUNGTA



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#### **CLINICAL PATHOLOGY**

Test Name	Value	Unit	Biological Ref Interval
Urine Routine			
PHYSICAL EXAMINATION			
COLOUR	PALE YEI	LLOW	PALE YELLOW
APPEARANCE	Clear		Clear
<b>CHEMICAL EXAMINATION</b>			
REACTION(PH)	6.0		5.0 - 7.5
SPECIFIC GRAVITY	1.025		1.010 - 1.030
PROTEIN	NIL		NIL.
SUGAR	NIL		NIL
BILIRUBIN	NEGATIV	E T	NEGATIVE
UROBILINOGEN	NORMAL	. <u></u>	NORMAL
KETONES	NEGATIV	/E	NEGATIVE
NITRITE	NEGATIV	E /E	NEGATIVE
MICROSCOPY EXAMINATION			
RBC/HPF	NIL	/HPF	NII.
WBC/HPF	2-3	/HPF	2-3
EPITHELIAL CELLS	2-3	/HPF	2-3
CRYSTALS/HPF	ABSENT		ABSENT
CAST/HPF	ABSENT		ABSENT
AMORPHOUS SEDIMENT	ABSENT		ABSENT
BACTERIAL FLORA	ABSENT		ABSENT
YEAST CELL	ABSENT		ABSENT
OTHER	ABSENT		

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**Technologist** 

Page No: 13 of 18

Jane

DR.TANU RUNGTA



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NAME :- Mr. NARENDAR SINGH RATHORE

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Sex :-Male

Patient ID: -12223331

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#### **IMMUNOASSAY**

**Test Name** Unit Value **Biological Ref Interval** 

PSA (PROSTATE SPECIFIC ANTIGEN) -TOTAL Methord: - Methodology: CLIA

1.123 ·

ng/mL

0.00-4.00

CLINICAL NOTES:- Prostate-specific antigen (PSA)is a 34-kD glycoprotein produced almost exclusively by the prostate gland.

PSA is normally present in the blood at very low levels. Increased levels of PSA may suggest the presence of prostate cancer.

1.Immediate PSA testing following digital rectal examination, ejaculation, prostatic massage, indwelling catheterization, ultrasonography and needle biopsy of prostate is not

recommended as they falsely elevate levels

2. PSA values regardless of levels should not be interpreted as absolute evidence of the presence or absence of disease. All values should be correlated with clinical findings and other investigations

3. Physiological decrease in PSA level by 18% has been observed in sedentary patients either due to supine position or suspended sexual activity

#### Clinical Use

- · 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.
- Follow up and management of Prostate cancer patients
- Detect metastatic or persistent disease in patients following surgical or medical treatment of Prostate cancer

#### NOTE

PSA levels can be also increased by prostatitis, irritation, benign prostatic hyperplasia (BPH), and recent ejaculation, producing a false positive result. Digital rectal examination (DRE) has been shown in several studies to produce an increase in PSA. However, the effect is clinically insignificant, since DRE causes the most substantial increases in patients with PSA levels already elevated over 4.0 ng/mL.

Obesity has been reported to reduce serum PSA levels. Delayed early detection may partially explain worse outcomes in obese men with early prostate cancer. Aftertreatment, higher BMI also correlates to higher risk of recurrence.

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**Technologist** Page No: 16 of 18 DR.TANU RUNGTA

MD (Pathology) RMC No. 17226

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#### **IMMUNOASSAY**

#### TOTAL THYROID PROFILE

THYROID-TRIIODOTHYRONINE T3 Methord: - ECLIA

1.20

ng/mL

0.70 - 2.04

NOTE-TSH levels are subject to circardian variation, reaching peak levels between 2-4 AM and min between 6-10 PM. The variation is the order of 50% hence time of the day has influence on the measures serum TSH concentration. Dose and time of drug intake also influence the test result. Transient increase in TSH levels or abnormal TSH levels can be seen in some non thyroidal conditions, simoultaneous measurement of TSH with free T4 is useful in evaluating differential diagnosis

INTERPRETATION-Ultra Sensitive 4th generation assay 1. Primary hyperthyroidism is accompanied by \*serum T3 & T4 values along with \* TSH level 2. Low TSH, high FT4 and TSH receptor antibody(TRAb) +ve seen in patients with Graves disease 3.Low TSH,high FT4 and TSH receptor antibody(TRAb) -ve seen in patients with Toxic adenoma/Toxic Multinodular goiter 4.HighTSH,Low FT4 and Thyroid microsomal antibody increased seen in patients with Hashimotos thyroiditis 5.HighTSH,Low FT4 and Thyroid microsomal antibody normal seen in patients with Iodine deficiency/Congenital T4 synthesis deficiency 6.Low

TSH,Low FT4 and TRH stimulation test-Delayed response seen in patients with Tertiary hypothyroidism
7. Primary hypothyroidism is accompanied by | serum T3 and T4 values & 'serum TSH levels B.Normal T4 levels accompanied by 'T3 levels and low TSH are seen in patients with T3 Thyrotoxicosis9 Normal or T3 & T4 along with 'TSH indicate mild / Subclinical Hypothyroidism .11.Normal T3 & T4 along with 'TSH indicate mild / Subclinical Hypothyroidism .12.Normal T3 & T4 along with 'TSH indicate mild / Subclinical Hypothyroidism .13.Normal T3 & T4 along with 'TSH indicate mild / Subclinical Hypothyroidism .13.Normal T3 & T4 along with 'TSH indicate mild / Subclinical Hypothyroidism .14.Normal T3 & T4 along with 'TSH indicate mild / Subclinical Hypothyroidism .15.Normal T4 with the subclinical Hyp

DURING PREGNANCY - REFERENCE RANGE for TSH IN ullu/mL (As per American Thyroid Association) 1st Trimester: 0.10-2.50 ullu/mL 2nd Trimester: 0.20-3.00 ullu/mL 3rd Trimester: 0.30-3.00 ulU/mL The production, circulation, and disintegration of thyroid hormones are altered throughout the stages of pregnancy

REMARK-Assay results should be interpreted in context to the clinical condition and associated results of other investigations. Previous treatment with corticosteroid therapy may result in lower TSH levels while 

NOTE-TSH levels are subject to circardian variation, reaching peak levels between 2-4 AM and min between 6-10 PM. The variation is the order of 50% hence time of the day has influence on the measures serum TSH concentration Dose and time of drug intake also influence the test result. Transient increase in TSH levels or abnormal TSH levels can be seen in some non thyroidal conditions simoultaneous measurement of TSH with free T4 is useful in evaluating differential diagnosis

INTERPRETATION-Ultra Sensitive 4th generation assay 1 Primary hyperthyroidism is accompanied by †serum T3 & T4 values along with \*TSH level 2 Low TSH,high FT4 and TSH receptor antibody(TRAb) +ve seen in patients with Graves disease 3 Low TSH,high FT4 and TSH receptor antibody(TRAb) -ve seen in patients with Toxic adenoma/Toxic Multinodular goiter 4 HighTSH,Low FT4 and Thyroid microsomal antibody increased seen in patients with Hashimotos thyroidists 5 HighTSH,Low FT4 and Thyroid microsomal antibody normal seen in patients with Iodine deficiency/Congenital T4 synthesis deficiency 6 Low TSH Low FT4 and TRH stimulation test -Delayed response seen in patients with Tertiary hypothyroidism 7 Primary hypothyroidism is accompanied by † serum T3 and T4 values & serum TSH levels accompanied by \*T3 levels and low TSH are seen in patients with T3 Thyrotoxicosis9 Normal or T3 & T4 along with \*TSH indicate mild / Subclinical Hypoth \*TSH indicate Mild / Subclinical Hypoth

DURING PREGNANCY - REFERENCE RANGE for TSH IN ulU/mL (As per American Thyroid Association) 1st Trimester: 0.10-2.50 ulU/mL 2nd Trimester: 0.20-3.00 ulU/mL 3rd Trimester: 0.30-3.00 ulU/mL. The production, circulation, and disintegration of thyroid hormones are altered throughout the stages of pregnancy

REMARK-Assay results should be interpreted in context to the clinical condition and associated results of other investigations. Previous treatment with corticosteroid therapy may result in flower TSH levels while thyroid hormone levels are normal. Results are invalidated if the client has undergone a radionuclide scan within 7-14 days before the test. Abnormal thyroid test findings often found in critically ill patients should be repeated after the critical nature of the condition is resolved. TSH is an important marker for the diagnosis of thyroid dysfunction. Recent studies have shown that the TSH distribution progressively shifts to a higher concentration with age, and it is debatable whether this is due to a real change with age or an increasing proportion of unrecognized thyroid disease in the elderly.

TSH Methord: - ECLIA 1.558

µIU/mL

0.350 - 5.500

NOTE-TSH levels are subject to circardian variation reaching peak levels between 2-4 AM and min between 6-10 PM. The variation is the order of 50% hence time of the day has influence on the measures serum TSH concentration. Dose and time of drug intake also influence the test result Transient increase in TSH levels or abnormal TSH levels can be seen in some non thyroidal conditions simpultaneous measurement of TSH with free T4 is useful in evaluating differential diagnosis

INTERPRETATION-Ultra Sensitive 4th generation assay Dimmary hyperthypidism is accompanied by †serum T3 & T4 values along with | TSH level.

**Technologist** Page No: 17 of 18 MD (Pathology)

RMC No. 17226

Janu



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NAME:	MR. NARENDRA SINGH RATHORE	AGE/SEX	42 YRS/M
REF.BY	BANK OF BARODA	DATE	11/03/2023

#### **CHEST X RAY (PA VIEW)**

Bilateral lung fields appear clear.

Bilateral costo-phrenic angles appear clear.

Cardiothoracic ratio is normal.

Thoracic soft tissue and skeletal system appear unremarkable.

Soft tissue shadows appear normal.

IMPRESSION: No significant abnormality is detected.

Shallni

DR.SHALINI GOEL
M.B.B.S, D.N.B (Radiodiagnosis)
RMC No.: 21954

kef.: SELF Test Date: 03-Mar-2023(1:33:13 P) Notch: 50Hz 0.05Hz - 100Hz Comments: P-QRS-T axis: 56 · 84 · 58 · (Deg) Vent Rate: 73 bpm; PR Interval: 124 ms; QRS Duration: 110 ms; QT/QTc Int: 352/390 ms FINDINGS: Normal Sinus Rhythm avR avL **Y**2 10mm/mV mmHg 25mm/Sec HR: 73 bpm Dr. Naresh Kumar Mohanka RMC No.: 35703 JBBS, DIP. CARDIO (ESCORTS) D.E.M. (RCGP-UK) MM **¥**4 QT/QTc: 352/390ms P-QRS-T Axis: 56 - 84 - 58 (Deg)

12229451323158/Mr Narendra

22Yrs/Male

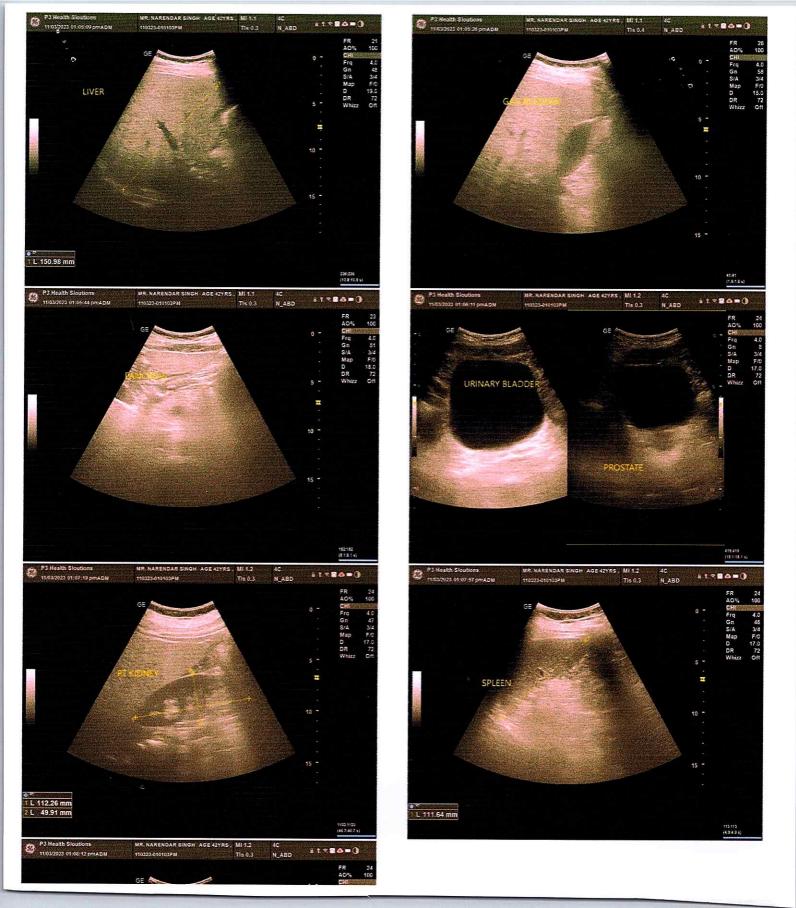
Kgs/ Cms

ВP:

PR Interval: 124 ms QRS Duration: 110 ms

3-14, Vidhyanagar Nagar, Enclave, Phase-2, Jaipur

3 HEALIH SULULIUNS LLF





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MR. NARENDAR SINGH RATHORE	42 Y/Male
Registration Date: 11/03/2023	Ref. by: BANK OF BARODA

#### **ULTRASOUND OF WHOLE ABDOMEN**

**Liver** is of normal size (15.0 cm). **Echotexture is increased obscuring periportal echogenicity.** No focal space occupying lesion is seen within liver parenchyma. Intra hepatic biliary channels are not dilated. Portal vein diameter is normal.

**Gall bladder** is well distended. Wall is not thickened. No calculus or mass lesion is seen in gall bladder. Common bile duct is not dilated.

Pancreas is of normal size and contour. Echo-pattern is normal. No focal lesion is seen within pancreas.

Spleen is of normal size and shape (11.1 cm). Echotexture is normal. No focal lesion is seen.

**Kidneys** are normally sited and are of normal size and shape. Cortico-medullary echoes are normal. Collecting system does not show any calculus or dilatation.

Right kidney is measuring approx. 11.2 x 4.9 cm.

**Left kidney** is measuring approx. 12.3 x 5.5 cm.

Urinary bladder does not show any calculus or mass lesion.

Prostate is normal in size with normal echotexture and outline.

No enlarged nodes are visualized. No retro-peritoneal lesion is identified. No significant free fluid is seen in pelvis.

#### **IMPRESSION:**

- Grade 2 fatty liver.
- Rest no significant abnormality is detected.



**DR.SHALINI GOEL** 

M.B.B.S, D.N.B (Radiodiagnosis)

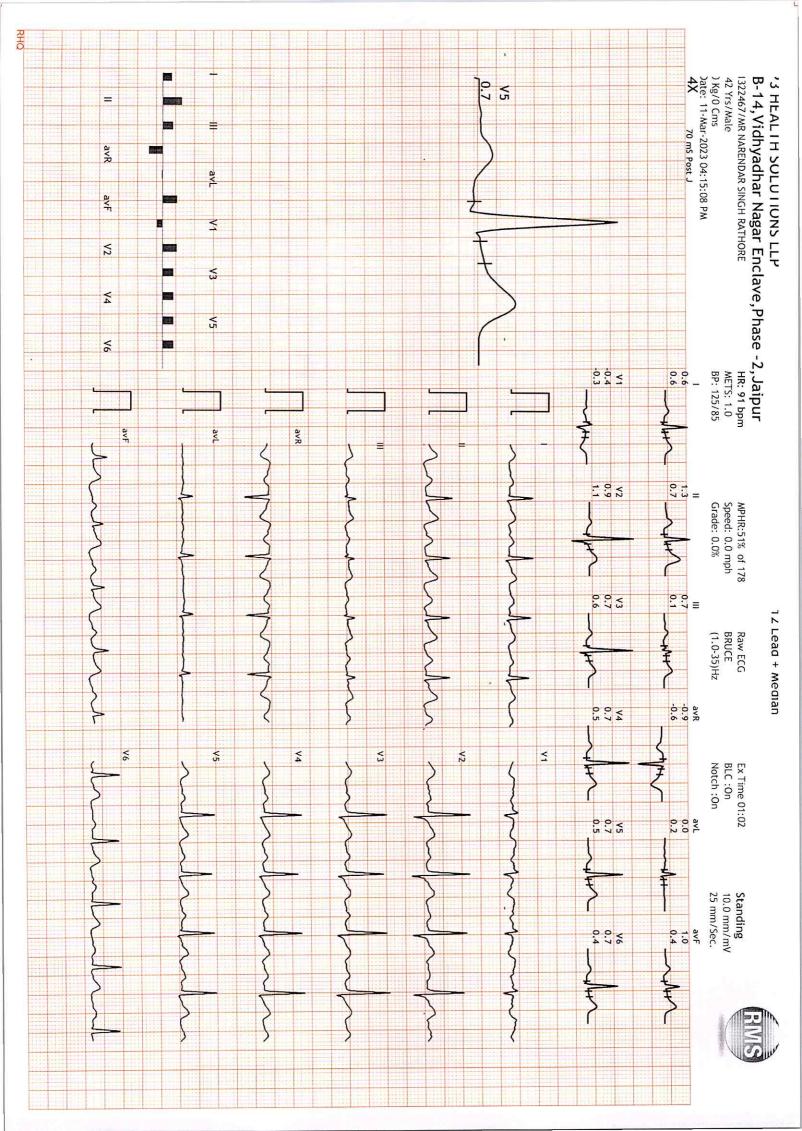
RMC no.: 21954

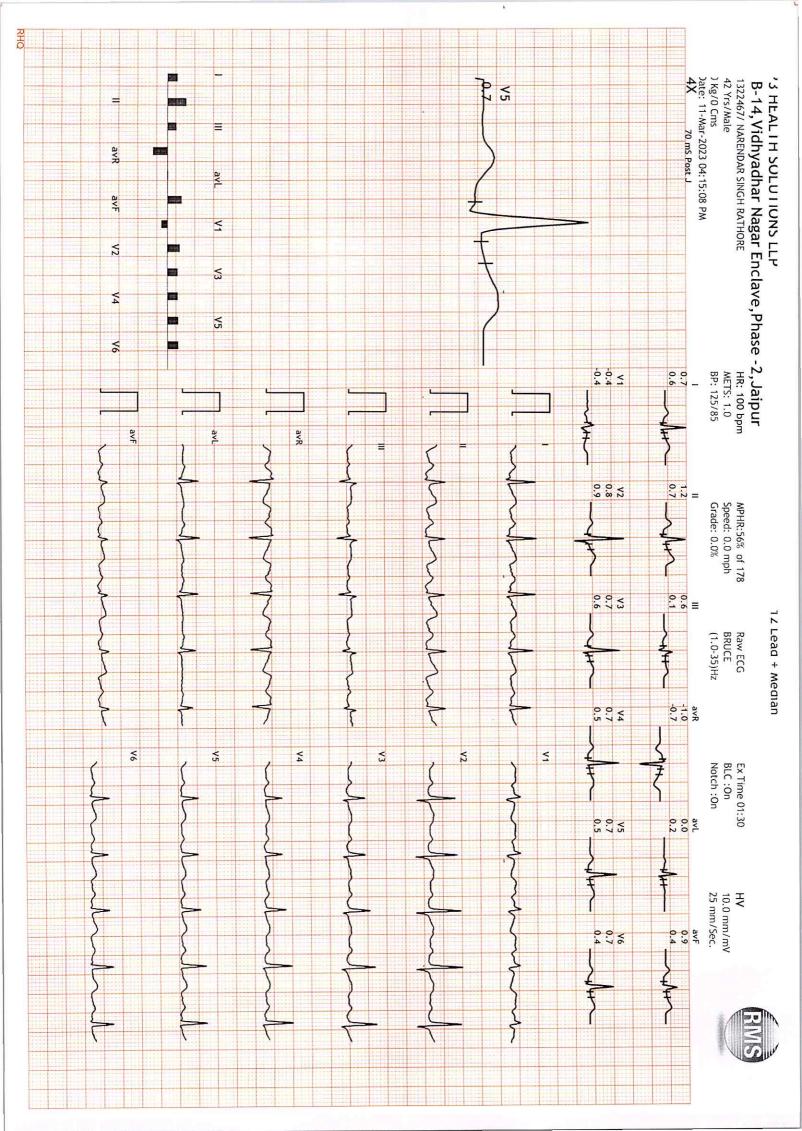
# '3 HEALIH SOLUTIONS LLP B-14, Vidhyadhar Nagar Enclave, Phase -2, Jaipur

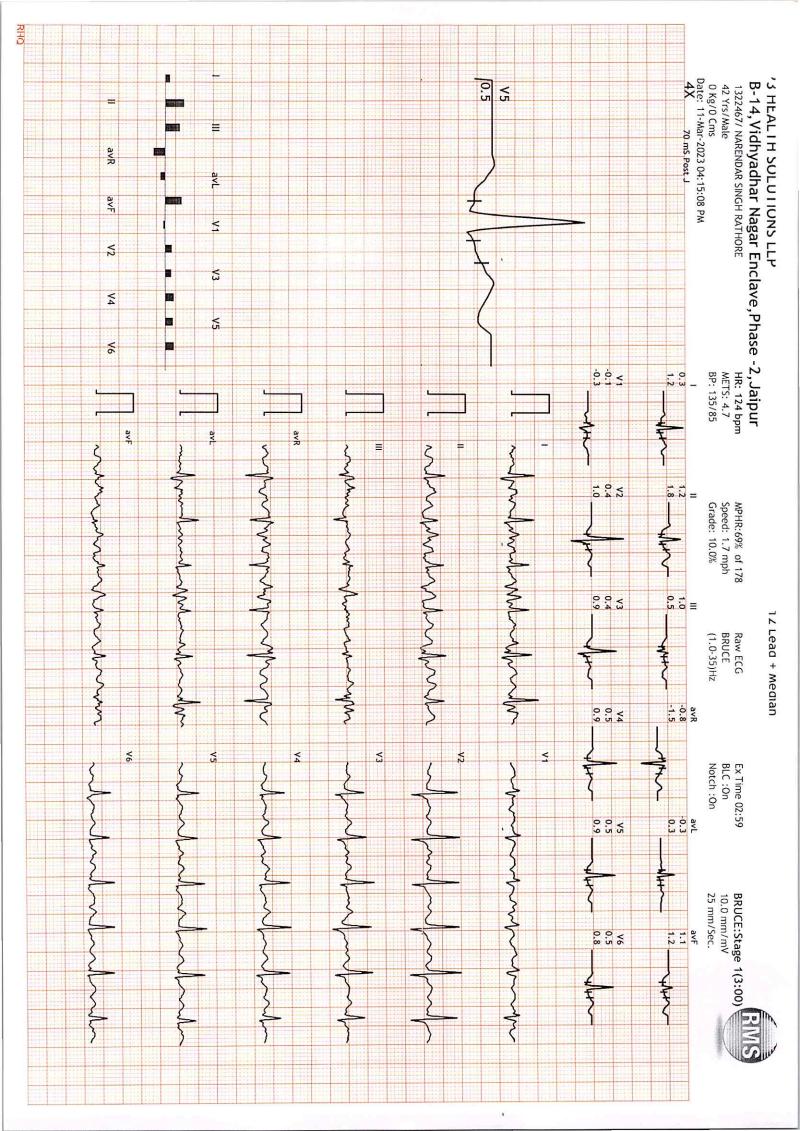
1322467/MR NARENDAR SINGH RATHORE
Date: 11-Mar-2023 04:15:08 PM
Ref.By : BANK OF BARODA
Medication :
Objective : 42 Yrs/Male 0 Kg/0 Cms

Protocol : BRUCE History :

Advice/Comments:					Max WorkLoad attained	Max BP : 155/90(mmHg)	Max HR Attained	Exercise Time	Findings:	Recovery 4:00	Recovery 3:00	Recovery 2:00	Recovery 1:00	PeakEx 1:00	Stage 2 3:01	Stage 1 3:01	ExStart	₹	Standing	Supine	Stage StageTime F	
					ained :8.1(Fair Effort Tolerance)	nmHg)	1	:07:00		0.0	0.0	. 0.0	0.0	7:01 3.4	6:02 2.5	3:02 1.7					PhaseTime Speed (Win:Sec) (mph)	
					t Tolerance)		of Max Pred			0.0	0.0	0.0	0.0	14.0	12.0	10.0					Grade	
				4			lictable HR 1			1.0 103	1.0 101	1.0 102	1.2 118	8.1 150	7.1 144	4.7 124	1.0 100	1.0 99	1.0 93	1.0 86	METS H.R	
Dr. Naro		N					78			135/85	145/90	155/90	145/90	) 145/90	145/90	135/85	125/85	125/85	125/85	125/85	7. B.P. (mmHg)	
Naresh (No.: 35703 RMC No.: 35703 P. CARDIO (ESCORTS)	Mar Mohanka			12 NESULVE for RMI						139 -	146 -	158 -		217 -	208 -	167 -		123	116 -	107 -	R.P.P. PVC Comments	
			PeakEx	5				¥5	0.7 PreEx			Ţ	Ž,									
													avF	avL								







B-14, Vidhyadhar Nagar Enclave, Phase -2, Jaipur 1322467/MR NARENDAR SINGH RATHORE 42 Yrs/Male 0 Kg/0 Cms

(1) 0:00 0.0 mph 0.7 (2) 0:00 0.0-% (1) 6:01 2.5 mph (1) 0:00 0.0 mph 0.6 **Supine**(1) 0:00 0.0 mph (2) 3:01 10:0 % 124 bpm135/85 (1) 0:00 0.0 mph (1) 3:01 1.7 mph (2) 3:01 12.0 % Stage 2 Stage 1 ٧H (2) 0:00 0.0 % (2) 0:00 0.0% Standing (2) 0:00 0.0 % 86 bpm 125/85 144 bpm 145/90 99 bpm 125/85 93 bpm 125/85 100 bpm 125/85 0.3 0.7 0.6 1.2 1.3 0.8 0.8 1.2 1.3 0.7 Ħ 0.5 0.7 0.7 0.7 0.5 0.6 H -0.8 -1.5 -0.9 -0.9 0.8 0.7 avR 0.1 0.3 0.4 0.0 0.0 0.3 0.0 avL 0.9 0.7 0.4 0.9 0.4 0.4 1.0 avF -0.1 -0.3 -0.4 -0.3 -0.2 -0.4 -0.4 0.4 ۲, 1.0 0.8 0.7 0.8 0.9 0.9 **V2** 0.7 -0.2 0.7 0.7 0.7 0.4 ٧3 0.7 0.6 0.7 0.7 0.0 0.5 4 0.5 0.7 0.1 0.7 0.7 0.5 0.5 ٧5 0.7 0.7 0.5 0.7 0.7 0.5 0.3 ٧6



B-14, Vidhyadhar Nagar Enclave, Phase -2, Jaipur 1322467/MR NARENDAR SINGH RATHORE 42 Yrs/Male 0 kg/0 Cms

Date: 11-Mar-2023 04:15:08 PM

