

**Investigation Name** 

## PULKIT DIAGNOSTIC CENT

Unit

## Dr. Nimisha Gupta

M.D. (Pathology) AIIMS, New Delhi FNAC & Histopathology Expert, M.N.A.M.S. DNB Ex- Registrar: PGIMER Chandigarh, GMCH Chandigarh

Bio. Ref. Range

241000799

Mr. PRASHANT GANGWAR Visit Id **Patient Name** 

Serial Number 10241115-3 Registered On 15-11-2024 01:00 PM Age/Gender 31 Year / Male Received On 15-11-2024 01:10 PM Billing To Self Reported On 17-11-2024 02:11 PM

**Observed Value** 

Ref By Doctor Report Status **Final Report** 

/_0	Haematolog	Jy .		ISO Certified
COMPLETE HAEMOGRAM				9001:2015
Haemoglobin / HB	14.0	gm/dl	13 - 15.8	SUER SAISTIE
Total Leucocyte Count / TLC	5.6	10^3 /ul	4.0 - 11	GUARANTEED
Differential Leucocyte Count				***
Neutrophils	57	%	40 - 70	quality control
Lymphocytes	35	<b>%</b>	20 - 45	to ensure 100% report accuracy
Eosinophils	07	%	1 - 6	
Monoc <mark>y</mark> tes	01	%	0 - 10	Qualified and trained
RBC (Red Blood Cell C <mark>o</mark> unt)	5.83	10^ <mark>6</mark> /ul	4.2 - 5.4	technicians
PCV (Hematocrit)	45.1	%	40 - 54	Temperature-
MCV (Me <mark>a</mark> n Corpuscula <mark>r</mark> Volume)	77.4	fl	80 - 99.9	controlled containers to store samples
MCH (Mean Corp Hb)	24.0	pg	27 - 33	
MCHC (M <mark>e</mark> an Corp Hb C <mark>o</mark> nc)	31.0	g/d <mark>l</mark>	32 - 36	Strict quality checks
Platelet Count  Method: Automated Cell Counter	2.28	Lac	1.50 - 4.50	on sample before processing
RDW - CV	15.6	%	11.5 - 15	Regular monitoring



Verified reports

by qualified

pathologist

Regular monitoring

Assured machine inspection on a daily

of lab analyzers

by expert





Senior Consultant Pathology

**Technician** 

RDW - SD

**PCT** 

P-LCC

MPV (Mean Platelet Volume)

PDW (Platelet Distribution Width)

P-LCR (Platelet - Large Cell Ratio)





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41.9

11.6

16.0

0.266

92.0

40.4



fL

fL

fL

%

%

10^3/uL

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35 - 50

6.8 - 12.6

8.3 - 25

0.2 - 0.5

44-140

13 - 43



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22

ESR (Erythrocyte Sedimentation Rate)

Method: Modified Westergren

**Technician** 

0581-4015967

9411220966

mm/1 hour 2 - 15

Certified





















Dr. Nimisha Gupta

Senior Consultant Pathology

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Note: Impression is a professional opinion & not a diagnosis. All modern machines/procedures have their limitations, if there is a variance clinically this examination may be repeated or revaluated by other investigations. If test results are alarming or find any typographical error then contact the laboratory immediately for possible remedial action.



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**Blood Group ABO** 

**ABO Blood Group** 

Rh Factor

AB'

Positive



Certified





















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**Urine Sugar Fasting** 

**Technician** 

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**Clinical Pathology** 

**Absent** 

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Rei by Doctor .		Report Status	. Filial Report	
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/_0	Biochemistry			ISO Certified
Blood Sugar Fasting / FBS	70.1	mg/dl	60 - 110	9001:2015
Method: GOD/POD				South of the
LIVER FUNCTION TEST / LFT				<b>8100%</b>
Total Bilirubin  Method: Diazotised Sulphanilic Acid	0.53	mg/dl	00 - 1.20	GUARANTEED
Direct Bilirubin	0.00	ma/dl	0 - 0.25	
Method: Diazotised Sulphanilic Acid	0.23	mg/dl	0 - 0.25	STEPS
Indirect Bilirubin	0.27	mg/dl	00-1.20	quality control to ensure 100%
Method: Calculated	U.Z.			report accuracy
Total Prote <mark>ins</mark>	7.1	g/ <mark>dl</mark>	6.6 - 8.7	
Method: Biuret				Qualified and trained
Albumin Method: BCG	4.4	g/d <mark>l</mark>	3.5 - 5.2	technicians
Globulin	2.70	g/dl	1.8 - 3.6	
Method: Calcu <mark>l</mark> ated	2.70	g/ul	1.0 - 3.0	Temperature- controlled containers
Albumin / Globulin Ratio	1.63		0.9 - 2	to store samples
Method: Calcu <mark>l</mark> ated				
Aspartate Transaminase (SGOT)	15.6	U/L	0 - 35	Strict quality checks
Method: IFCC Alanine Transaminase (SGPT)		110	0.45	on sample before processing
Method: IFCC	11.2	U/L	0 - 45	processing
Alkaline Phosphatase	86.2	IU/L	35 - 104	
Method: IFCC	00.2	/ /	00 101	Regular monitoring of lab analyzers
COMMENT:				by expert
A liver panel (Liver function test) or one or more of its		liagnose liver disease		
if a person has symptoms that indicate possible liver dy				Assured machine
If a person has a known condition or liver disease, testing to monitor liver status and to evaluate the effectiveness				inspection on a daily basis
to monitor river status and to evaluate the effectiveness	or any treatments.			
				Verified reports
KIDNEY FUNCTION TEST / KFT				( ) by qualified
Blood Urea	23.6	mg/dl	10 - 50	pathologist
Method: GLDH	20.0	3		
Creatinine	0.78	mg/dl	0.7 - 1.2	20 <sup>†</sup> Years of Trust &
Method: Jaffes Kinetic				Experience





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Uric Acid 3.5 - 7.2mg/dl 6.0 Method: Enzymatic PAP





















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Home Sample Collection Available

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Haematology

Certified

#### **HBA1C ESTIMATION**

Method: HPLC

#### HbA1C (GLYCOSYLATED HAEMOGLOBIN)

PATIENT'S VALUE % HbA1C %

**EXPECTED VALUES:** 

ED VALUE	·S •-	
%HbA1c	Approx. mean blood glucose( mg/dl)	<b>Interpretation</b>
4	65	
5	100	Non-diabetic range
6	135	
7	170	ADA target
8	205	
9	240	
10	275	Action suggested
11	310	
12	345	

quality control to ensure 100% report accuracy



Temperaturecontrolled containers to store samples

**REMARKS:-** 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.

Strict quality checks on sample before processing

Regular monitoring of lab analyzers by expert

Results of HbA1C should be assessed in conjunction with the patient's medical history, clinical examinations and other findings.





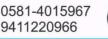




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**Technician** 0581-4015967



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mg/dl

mg/dl

mg/dl

mg/dl

mg/dl

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189.6

149.8

35.2

73.12

37.92

4.26

2.08

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## **Biochemistry**

#### LIPID PROFILE **Trialycerides**

Method: Enz.GPO/PAP

Cholesterol Total Method: CHOD/POD

**HDL Cholesterol** Method: Enzymatic LDL Cholesterol

Method: Direct Homogeneous Assay VLDL Cholesterol

Method: Calculated Cholesterol Total / HDL - C, Ratio

Method: Calculated LDL-C / HDL - C, Ratio

Method: Calculated

Interpretation:

A lipid profile that measures the amount of cholesterol and fats called triglycerides in the blood. These measurements give the doctor a quick snapshot of what's going on in blood. Cholesterol and triglycerides in the blood can clog arteries, making you more likely to develop heart disease

> **CHOLESTEROL** LDL-CHOLESTEROL CHO/HDL RATIO

Acceptable/Low Risk: < 200 mg/dL < 4.5 <130 mg/dL Borderline High Risk: 200-239 mg/dL 130-159 mg/dl 4.5 - 6.0High Risk > 240 mg/dL> 160 mg/dL> 6.0

Desirable: <150

Borderline High: 150-200

High: 201 - 499 Very High: >

Desirable: 200 quality control BorderIne High:

200-239 High: > 240

30 - 70

and trained technicians

<100

02 - 30

Temperaturecontrolled containers to store samples

Qualified

Less than 5

Less than 3.5

Strict quality checks on sample before processing

report accuracy

Certified

Regular monitoring of lab analyzers by expert



Assured machine inspection on a daily



**Verified reports** by qualified pathologist



20<sup>+</sup> Years of Trust &



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## **Immunology**

## THYROID PROFILE (TOTAL)

Method: CLIA T4 (Total) Method: CLIA TSH (3rd Generation) Method: Immunoassay CLIA

T3 (Total)

0.50 - 2.0 ng/ml ng/ml 1.40

µg/dl 4.4 - 10.8 µg/dl 8.90

0.280 - 6.82 ulu/ml µIU/mI 2.66

#### Children

Premature Infant 0.8 - 5.2 uIU/mL Cord Blood 1.0 - 17.4 uIU/mL1-3 Days 1.0 - 17.4 uIU/mL1-2 Weeks 1.7 - 9.1 uIU/mL 4-12 Months 0.8 - 8.2 uIU/mL 1-5 Years 0.8 - 8.2 uIU/mL 5-10 Years 0.7 - 7.0 uIU/mL 10-15 Years 0.7 - 5.7 uIU/mL

rict quality checks on sample before INTERPRETATION: processing

- TSH measurement has been used for screening for euthyroidism, screening and diagnosis for hyperthyroidism & hypothyroidism. suppressed TSH· (<0.01uiu/ml) suggest a diagnosis of hyperthyroidism and elevated concentration (< 7uiu/ml) suggest hypothyroidism. TSH levels may be affected by acute illness & several medication including dopamine and glucocorticoides. decreased (low or undetectable) in graves disease. increased in TSH secreting pituitary adenoma (secondary hyperthyroidism) parth and in hypothalamic disease thyrotropin (tertiary hyperthyroidism). elevated in hypothyroidism (along with decreased) except for pituitary and hypothalamic disease.
- Mild to modest elevations in patients with normal T3 & T4 level indicate impaired thyroid hormone reserves and incipient hypothyroidism (subclinical hypothyroidism). Mild to modest decreased with normal T3 and T4 indicates subclinical
- Degree of TSH suppression does not reflect the severity of hyperthyroidism; therefore, measurement of free thyroid hormone levels is required patient with a suppressed TSH level.



Certified

quality control

ualified nd trained

chnicians

port accuracy

emperature-entrolled containers

store samples









**Technician** 





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**Ipf** 

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## Clinical Pathology

## URINE ROUTINE EXAMINATION

## Physical Examination

Volume ml. 15 ml.

Colour Pale-yellow

Deposits / Clarity / Turbidity / Transparency Clear

Specific Gravity (S.G) Q.N.S

## Chemical Examination

Reaction (pH) Acidic **Proteins** Absent

Sugar Absent Method: Double Sequential Enzyme Reaction

#### Microscopic Examination

Others

Pus Cells /HPF 0 - 1Red Blood Cells /HPF Absent

Casts Absent

Crystals Absent

**Epithelial Cells** /HPF Occasional

**Bacteria** Absent Pale-yellow

Absent

quality control report accuracy

Qualified

Certified

Acidic

and trained

Absent

Absent

Temperaturecontrolled containers to store samples

<2-5 / hpf

<2 RBC's/hpf

Strict quality checks on sample before processing

0-5 hyaline casts/lpf

Absent

egular monitoring of lab analyzers by expert

<15-20 / hpf

Absent

Absent

Assured machine inspection on a daily



**Verified reports** by qualified pathologist



20<sup>+</sup> Years of Trust & Experience



Dr. Nimisha Gupta

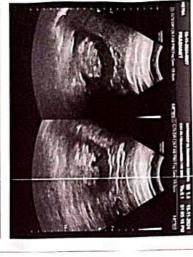
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B-55, Deen Dayal Puram, Adjacent to O2 Gym, Bareilly - 243122

NAME: PRASHANT GANGWAR	SEX: MALE	AGE:	31	YEAR
REFERRED BY:- SELF		DATE	15/11	5/11/2024.

# ABDOMINO-PELVIC SONOGRAPHY

Liver is mildly enlarged in size (15.2 cm) shows diffuse fatty infiltration. No focal lesions Portal vein is normal

Gall Bladder is well distended. Wall thickness normal. No calculus. No sludge

No evidence of IHBR dilatation. CBD is normal.

Pancreas is normal in size, outline and echo texture. No focal lesion

Spleen is normal in size, outline and echo texture. No focal lesion

Right kidney

Normal in size and echo texture. Cortico-medullary differentiation is preserved.

Right kidney shows 2-3 mm concretions. No evidence of hydronephrosis. The ureter is not dilated.

eft kidney

Normal in size and echo texture. Cortico-medullary differentiation is preserved

No evidence of hydronephrosis. The ureter is not dilated.

Left kidney shows 2-3 mm concretions.

A calculus noted measuring approx. 4.6 mm seen involving mid group of calyces.

Urinary Bladder is partially distended.

Wall appears normal. No mural lesion/calculi. Prostate is grossly normal in size.

No evidence of ascites. No evidence of pleural effusion. Both iliac fossa - No mass / collection. No evidence of bowel thickening

# IMPRESSION:

- MILD HEPATOMEGALY WITH GRADE I FATTY CHANGES OF LIVER.
- LEFT RENAL CALCULUS (~4.6 mm) as described above.
- **BILATERAL RENAL 2-3 MM CONCRETIONS.**

Suggested Urine R/M.

MBBS, DMRD RADIOLOGIST DR RAJAT SAXENA



NOT VALID FOR MEDICO LEGAL PURPOSE

Patient Name

: PRASHANT GANGWAR

15-11-2024

Ref. By.: SELF

Age /Sex 31Y/ M

Investigation

: X-Ray Chest PA View

## **OBSERVATION**

Bilateral lung fields are clear.

Trachea is central.

Both hila are normal.

Cardiac shape, size and silhouette are normal.

No mediastinal widening or mediastinal shift noted.

Both domes of diaphragm are normal in height and silhouette.

Bilateral C.P. angles are clear.

Bony rib cage is normal.

### **IMPRESSION**

NO SIGNIFICANT ABNORMALITY DETECTED IN THE SCAN.

To correlate clinico-pathologically



