Dr. Yerrabothu Ramesh

MBBS, MD(General Medicine) General physician and Diabetologist Registration No. 03143



Swetha soulf.

Non Dry

NonHTN

2015 - laprosupie appondèce

2021 - lap. cholocychedom

Usa Abdomen - 8

Mannagaghy (0)

Cled Kray @

E16-10

20 who . +)

T. Bilinubin-105

JSH-E

Tech. Udillo 300 mg 1 Lab BD







DOB

Age

36 Years

Gender CRM

Female

223002533420



Collected 09-11-2024 09:30

Received 09-11-2024 09:49

Reported

: Provisional Status

Lab ID

Sample Quality Location

: HYDERABAD

Ref By

PRASAD HOSPITAL

Client Prasad Hospitals India Private Limited -Pragathi Nagar-BS11948

Unit **Parameter** Biological Ref. Interval Result

COMPLET	E BLOOD COUNT	(CBC), Whole Blood EDTA	
<u>Erythrocytes</u>		A. J.	
Hemoglobin Colorimetric method	12.2	g/dL	12.0 - 15.0
Red Blood Cells Electrical Impedance method	4.47	10^6 Cells/μL	3.8 - 4.8
PCV (Hematocrit) Calculated	37.90	%	36 - 46
MCV(Mean Corpuscular Volume) Calculated	84.8	fL	83 - 101
MCH (Mean Corpuscular Hb) Calculated	27.2	Pg	27 - 32
MCHC (Mean Corpuscular Hb Concentration) Calculated	32.1	g/dL	31.5 - 34.5
Red Cell Distribution Width CV Calculated	12.80	%	11.6 - 14.6
Red Cell Distribution Width SD Calculated	41.10	fL	39 -46
<u>Leucocytes</u>			
WBC -Total Leucocytes Count Flowcytometry	7.50	10^3 Cells/μL	4- 10
Differential leucocyte count			
Neutrophils Flowcytometry	63.9	%	40 - 80
Lymphocytes Flowcytometry	30.6	%	20 - 40
Monocytes Flowcytometry	3.90	%	2-10
Eosinophils Flowcytometry	1.6	%	1-6
Basophils Flowcytometry	0.00	%	0-2
Absolute leucocyte count			
Neutrophils (Abs)	4.79	10^3 Cells/μL	1.5 - 8.0

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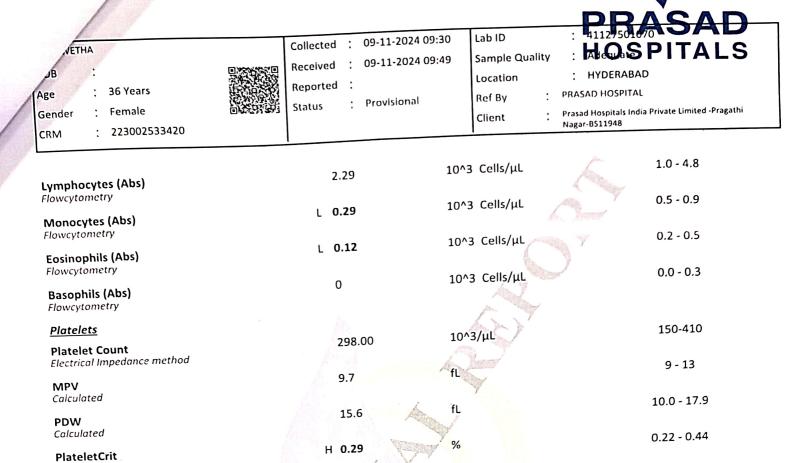
Page 1 of 11





Flowcytometry





PLCR (Platelet-Large Cell Ratio)

Calculated

Calculated

CBC is used as a screening tool in the diagnosis or monitoring of many diseases. RBCs, WBCs, and platelets are produced in the bone marrow and released into the peripheral blood. The primary function of the RBC is to deliver oxygen to tissues. WBCs are key components of the immune system. Platelets play a vital role in blood clotting. Abnormal cell counter results are confirmed by peripheral blood smear examination by trained pathologist.

23.90

%

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15.0 - 35.0



ETHA

36 Years

Gender Female

CRM 223002533420 Collected

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Location

Client

Ref By PRASAD HOSPITAL

> Prasad Hospitals India Private Limited -Pragathi Nagar-BS11948

Parameter

Age

Result

Unit

Biological Ref. Interval

ESR, EDTA Blood

Westergren(Manual)

80

mm/hr

<=12

Clinical significance :-

ESR is the measurement of sedimentation of red cells in diluted blood after standing for 1 hour. It is dependent on various physiologic and pathologic factors including hemoglobin concentration, ratio of plasma proteins, serum lipid concentration etc. Although ESR is a non-specific phenomenon, its measurement is useful in disorders associated with increased production of acute phase proteins. In RA & TB it provides an index of progess of the disease and it has considerable value in diagnosis of temporal arteritis & polymyalgia rheumatica. ESR can be low (0-1 mm) especially in polycythemia, hypofibrinogenaemia and in abdnormalities of red cells like sickle cells or

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Page 3 of 11







36 Years Female Gender



09-11-2024 09:30 Collected

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Reported

Provisional Status

Sample Quality

HOSPITALS

: HYDERABAD Location

PRASAD HOSPITAL Ref By

Prasad Hospitals India Private Limited -Pragathi Client Nagar-BS11948

Biological Ref. Interval Unit Result **Parameter**

Blood Grouping & Rh typing, EDTA Blood

223002533420

Slide/Tube Agglutination (Forward &

Reverse)

CRM

" O " Positive

Clinical significance:
The blood group is determined by the presence or absence of blood group antigens on the RBC's and accordingly the individual's blood group is A, B, AB or O. Other than A & B antigens, Rh(D) antigen is the important antigen in transfusion practice. Out of 43 blood group sysytems described, ABO & Rh systems are of major clinical importance. The ABO antigens, although most important in relation to transfusion, are also expressed on most endothelial and epithelial membranes and are important histocompatability

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Page 4 of 11





36 Years

Female Gender 223002533420 CRM

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09-11-2024 09:49 Received

" O " Positive

Reported

Provisional Status

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HOSPITALS

Sample Quality Location

HYDERABAD

Ref By

Client

PRASAD HOSPITAL

Prasad Hospitals India Private Limited -Pragathi

Nagar-BS11948

Parameter

Result

Unit

Biological Ref. Interval

Blood Grouping & Rh typing, EDTA Blood

Slide/Tube Agglutination (Forward &

Reverse)

Clinical significance:
The blood group is determined by the presence or absence of blood group antigens on the RBC's and accordingly the individual's blood group is A, B, AB or O. Other than A & The blood group is determined by the presence of absence of blood group analysis and the blood group systems described, ABO & Rh systems are of major clinical importance. The B antigens, Rh(D) antigen is the important antigen in transfusion practice. Out of 43 blood group systems described, ABO & Rh systems are of major clinical importance. The B antigens, KIN(U) antigen is the important antigen in transfersion practice. Out of a blood group systems described, not a major chinasis important. ABO antigens, although most important in relation to transfusion, are also expressed on most endothelial and epithelial membranes and are important histocompatability. antigens.

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Page 4 of 11







VETHA

Gender

36 Years Age Female

223002533420 CRM

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Reported

Status Provisional Lab ID

Sample Quality

Location : HYDERABAD

Ref By PRASAD HOSPITAL

Client Prasad Hospitals India Private Limited - Pragathi Nagar-BS11948

Unit **Biological Ref. Interval** Parameter Result

Total Protein, Serum BIURET

L 5.91

gm/dL

6.4-8.8

Clinical Significance:-

Urinary protein levels may rise in healthy individual after vigorous exercise. In a random urine sample, a protein: creatinine ratio can be used to roughly approximate 24 hours excretion rate. False proteinuria may be due to contamination of urine with semen, menstrual blood etc.

Glucose (Fasting) Plasma

GOD-POD

98.80

mg/dL

Normal: <100

Pre-Diabetic: 100-124

Diabetic =>125

Clinical significance:-

Fasting blood glucose may be used to screen for and diagnose prediabetes and diabetes. In some cases, there may be no early signs or symptoms of diabetes, so an FBG may be used to screen people at risk of diabetes. Screening can be useful in helping to identify It and allowing for treatment before the condition worsens or complications arise. If the initial screening result is abnormal, the test should be repeated. Repeat testing or certain other tests (e.g., hemoglobin A1c) can also be used to confirm diagnosis of diabetes.

Glucose (Post Prandial), Plasma

GOD-POD

117.60

mg/dL

Normal: =<140

Pre-Diabetic: 140-199

Diabetic=>200

Clinical significance:-

A Postprandial Plasma Glucose Test is a blood test that measures blood glucose levels following a meal containing a set amount of carbohydrate. Postprandial Plasma Glucose Tests show how tolerant the body is to glucose. Measurements of plasma glucose levels are important for the screening of metabolic dysregulation, pre-diabetes, and diabetes. Additionally, plasma glucose PP levels can be used as a tool to monitor diabetes, screen for hypoglycemic episodes, guide treatment or lifestyle interventions and predict risk for comorbidities, such as cardiovascular or eye and kidney disease.

Total Cholesterol, Serum

CHOP-PAP

186.00

mg/dL

Desirable: <200

Borderline: 200 - 239

High: >=240

Clinical significance :-

Lipoprotein metabolism profile analysis adds practical information about the etiology of cholesterol and/or triglyceride elevation. In some patients, increased serum lipids reflect elevated levels of intermediate-density lipoprotein (IDL), very-low-density lipoprotein (VLDL), lipoprotein a (Lp[a]), or even the abnormal lipoprotein complex-LpX. Patients must be fasting for at least 12 to 14 hours if a lipid screen is ordered. If total cholesterol is the only lipid test ordered, fasting is not necessary.

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Page 5 of 11







FTHA

36 Years

Female 223002533420

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Sample Quality

HYDERABAD PRASAD HOSPITAL

Ref By Client

Prasad Hospitals India Private Limited -Pragathi Nagar-BS11948

Creatinine, Serum

ENZYMATIC

Age

CRM

Gender

L 0.54

mg/dL

0.6 - 1.1

Clinical significance :-

An increased level of creatinine may be a sign of poor kidney function. The measure of serum creatinine may also be used to estimate glomerular filtration rate (GFR). The formula for calculating GFR takes into account the serum creatinine count and other factors, such as age and sex. A GFR score below 60 suggests kidney disease. Creatinine clearance is usually determined from a measurement of creatinine in a 24-hour urine sample and from a serum sample taken during the same time period. However, shorter time periods for urine samples may be used. Accurate timing and collection of the urine sample is important.

Urea, Serum UREASE/GLDH L 13.40

mg/dL

15-48

Urea is the final breakdown product of the amino acids found in proteins. High urea levels suggest poor kidney function. This may be due to acute or chronic kidney disease. However, there are many things besides kidney disease that can affect urea levels such as decreased blood flow to the kidneys as in congestive heart failure, shock, stress, recent heart attack or severe burns; bleeding from the gastrointestinal tract; conditions that cause obstruction of urine flow; or dehydration

Blood Urea Nitrogen (BUN), Serum

Calculated

mg/dL

Clinical significance:

Increased blood urea nitrogen (BUN) may be due to prerenal causes (cardiac decompensation, water depletion due to decreased intake and excessive loss, increased protein catabolism, and high protein diet), renal causes (acute glomerulonephritis, chronic nephritis, polycystic kidney disease, nephrosclerosis, and tubular necrosis), and postrenal causes (eg, all types of obstruction of the urinary tract, such as stones, enlarged prostate gland, tumors). The determination of serum BUN currently is the most widely used screening test for the evaluation of kidney function.

Uric Acid, Serum URICASE-POD

2.70

mg/dL

2.3-6.6

Clinical significance:-

Uric acid is the final product of purine metabolism in humans. The major causes of hyperuricemia are increased purine synthesis, inherited metabolic disorder, excess dietary purine intake, increased nucleic acid turnover, malignancy, cytotoxic drugs, and decreased excretion due to chronic renal failure or increased renal reabsorption Hypouricemia may be secondary to severe hepatocellular disease with reduced purine synthesis, defective renal tubular reabsorption, overtreatment of hyperuricemia with allopurinol, as well as some cancer therapies (eg, 6-mercaptopurine).

Bilirubin - Total, Serum

DIAZO

H 1.53

mg/dL

0.1 - 1.3

Bilirubin is one of the most commonly used tests to assess liver function. The most commonly occurring form of unconjugated hyperbilirubinemia is that seen when there is excess hemolysis (pre-hepatic jaundice). Conjugated (direct) bilirubin is elevated more than unconjugated (indirect) bilirubin when there is blockage of the bile ducts. Both conjugated and unconjugated bilirubins are increased in hepatitis and space-occupying lesions of the liver; and obstructive lesions such as carcinoma of the head of the pancreas, common bile duct, or ampulla of Vater.

Bilirubin - Direct, Serum DIAZO

H 0.57

mg/dL

< 0.3

Bilirubin is one of the most commonly used tests to assess liver function. The most commonly occurring form of unconjugated hyperbilirubinemia is that seen when there is excess hemolysis (pre-hepatic jaundice). Conjugated (direct) bilirubin is elevated more than unconjugated (indirect) bilirubin when there is blockage of the bile ducts. Both conjugated and unconjugated bilirubins are increased in hepatitis and space-occupying lesions of the liver; and obstructive lesions such as carcinoma of the head of the pancreas, common bile duct, or ampulla of Vater.

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Page 6 of 11

ls.in spitals







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Gender 223002533420 CRM

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Prasad Hospitals India Private Limited -Pragathi

Nagar-BS11948

; HYDERABAD

Bilirubin - Indirect, Serum

Calculated

0.96

mg/dL

0.2-1

Clinical Dignillocal Community of the Co Hemoglobin is released from hots and proken down to neme and globin molecules. Heme is then catabolized to form biliverdin, which is transformed into bilirubin. This form of bilirubin is called unconjugated (indirect) bilirubin. The total serum bilirubin level is the sum of the conjugated (direct) and unconjugated (indirect) bilirubin. These are separated out when fractionation or differentiation of the total bilirubin to its direct and indirect parts is requested from the laboratory. Normally the unconjugated bilirubin to its direct and indirect parts is requested from the laboratory. makes up 70% to 85% of the total bilirubin.

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Page 7 of 11







36 Years

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Location

Client

: HYDERABAD

PRASAD HOSPITAL Ref By

Prasad Hospitals India Private Limited -Pragathi Nagar-B511948

parameter

Gender

CRM

Result

Unit

Biological Ref. Interval

HbA1c By HPLC,EDTA Blood HPLC

HBA1C by HPLC 5.1

%

NORMAL: 4.5-5.6 AT RISK: 5.7-6.5

DIABETIC: 6.6-7.0 UNCONTROLLED: 7.1-8.9

Critically high: >= 9.0

Estimated Average Glucose(eAG)

Calculated

99.34

mg/dL

70-126

Clinical significance:

Hemoglobin A1c (HbA1c) is a result of the nonenzymatic attachment of a hexose molecule to the N-terminal amino acid of the hemoglobin molecule. HbA1c estimation is useful in evaluating the long-term control of blood glucose concentrations in patients with diabetes, for diagnosing diabetes and to identify patients at increased risk for diabetes (prediabetes). The ADA recommends measurement of periodic HbA1c measurements to keep the same within the target range. The presence of hemoglobin variants can interfere with the measurement of hemoglobin A1c (HbA1c).

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36 Years Female

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Location

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PRASAD HOSPITAL

Prasad Hospitals India Private Limited -Pragathi Nagar-BS11948

parameter

Result

Unit

Biological Ref. Interval

THYROID FUNCTION TEST

Tri Iodo Thyronine (T3 Total), Serum

CLIA

0.98

ng/mL

Non Pregnant: 0.7-2.04

Pregnancy:

1st trimester: 0.81-1.9 2nd trimester: 1.0-2.60 3rd trimester: 1.0-2.60

Clinical significance:-

Triiodothyronine (T3) values above 3.07 ng/mL in adults or over age related cutoffs in children are consistent with hyperthyroidism or increased thyroid hormone-binding proteins. Abnormal levels (high or low) of thyroid hormone-binding proteins (primarily albumin and thyroid-binding globulin) may cause abnormal T3 concentrations in euthyroid patients. Please note that Triiodothyronine (T3) is not a reliable marker for hypothyroidism. Therapy with amiodarone can lead to depressed T3 values.

Thyroxine (T4), Serum

µg/dL

5.5-11.0

Clinical significance:-

Thyroxine (T4) is synthesized in the thyroid gland. High T4 are seen in hyperthyroidism and in patients with acute thyroiditis. Low T4 are seen in hypothyroidism, myxedema, cretinism, chronic thyroiditis, and occasionally, subacute thyroiditis. Increased total thyroxine (T4) is seen in pregnancy and patients who are on estrogen medication. These patients have increased total T4 levels due to increased thyroxine-binding globulin (TBG) levels. Decreased total T4 is seen in patients on treatment with anabolic steroids or nephrosis (decreased TBG levels).

Thyroid Stimulating Hormone (TSH), Serum

µIU/mL

Nonpregnant: 0.4-5.5

Pregnancy:

First Trimester: 0.3-4.5 Second Trimester: 0.5-4.6 Third trimester: 0.8-5.2

Clinical significance:

In primary hypothyroidism, TSH (thyroid-stimulating hormone) levels will be elevated. In primary hyporthyroidism, TSH levels will be low. TSH estimation is especially useful in the differential diagnosis of primary (thyroid) from secondary (pituitary) and tertiary (hypothalamus) hypothyroidism. In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hypothyroidism, TSH levels are low or normal. Elevated or low TSH in the context of normal free thyroxine is often referred to as subclinical hypo- or hyperthyroidism, respectively.

Pregnancy	American Thyroid	American European	Thyroid society	
	Association /	Endocrine	Association	
1st trimester	< 2.5	< 2.5	< 2.5	
2nd trimester	< 3.0	< 3.0	< 3.0	
3rd trimester	< 3.5	< 3.0	< 3.0	

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Page 9 of 11















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PRASAD HOSPITAL

Client

Prasad Hospitals India Private Limited -Pragathi

Nagar-BS11948

Pale Yellow

1.015 - 1.025

Clear

5.0 -8.0

Negative

Negative

Negative

Normal

Negative

Negative

Negative

Negative

parameter

Result

Unit

Biological Ref. Interval

URINE ROUTINE EXAMINATION

PHYSICAL	EXAM	IN.	<u> </u>	ON
PHISICHE				

Colour Visual

Volume Visual

Specific Gravity Dip Stick (Bromthymol blue)

Appearance Visual

Dip Stick (Double Indicators)

BIOCHEMICAL EXAMINATION

Protein, Urine Dip Stick (Protein Error of Indicators)

Glucose Dip Stick (GOP-POD)

Ketones Dip Stick (Sodium nitroprusside)

Urobilinogen Dip Stick (Ehrlich)

Bilirubin Dip Stick (Azo-coupling reaction)

Dip Stick (Diazotization)

Blood Dip Stick (Peroxidase)

Leukocyte Esterase Strip Based

MICROSCOPIC EXAMINATION

Pus cells Microscopy

Epithelial Cells Microscopy

Pale Yellow

20

ml

1.025

Clear

6.0

Trace

Negative

Absent

Normal

Negative

Negative

Negative

Negative

2 - 3

3 - 4

/hpf

/hpf

0-2

0-5

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Page 10 of 11







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Client Prasad Hospitals India Private Limited -Pragathi

Nagar-BS11948

RBCs Microscopy

Status

/hpf

Nil

Casts

Microscopy

36 Years

Female

223002533420

Nil

Nil

Nil

Crystals Microscopy Nil

Nil

Yeast cells Microscopy

Absent

Absent

Bacteria Microscopy Absent

Absent

A urinalysis alone usually doesn't provide a definite diagnosis. Depending on the reason your provider recommended this test, you might need follow-up for unusual results. Evaluation of the urinalysis results with other tests can help your provider determine next steps.

Getting standard test results from a urinalysis doesn't guarantee that you're not ill. It might be too early to detect disease or your urine could be too diluted.

Pending Services

LBC-PAP Smear, Cervical/vaginal Swab.

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DEPARTMENT OF CARDIOLOGY

NAME: MRS SWETHA

SEX: F

AGE: 36YRS

DONE BY: Dr. SRAVAN KUMAR V DM

DATE: 09/11/2024

REPORT OF 2D ECHOCARDIOGRAM WITH COLOUR DOPPLER

Mitral Valve **Aortic Valve** : NORMAL

Pulmonary Valve

: NORMAL : NORMAL

Tricuspid Valve

: NORMAL

Right Atrium

: NORMAL

Right Ventricle Left Atrium

: NORMAL. : 3.0cm

Left Ventricle

: NO LVH, NO RWMA

LV DIMENSIONS

: IDd 4.4cm/ESd:2.8cm. **EF:** 62%

IVSd: 1.1cm PWd: 1.0m

FS: 32%

IAS/IVS

: INTACT

Aorta

: 2.8cm

Pulmonary Artery

: NORMAL

: NORMAL

Pulmonary Veins

: NORMAL

Pericardium

: NORMAL

Others

: NO LV CLOT

DOPPLER : E/A: 0.7/0.4m/sec

Mitral Valve

: 1.2m/s

Aortic Valve

Pulmonary Valve

: 0.8 m/s

Tricuspid Valve

: 2.0m/s, RVSP 21+RAP

Color Doppler

MR: NIL

TR:1+

AR: NIL

PR: NIL

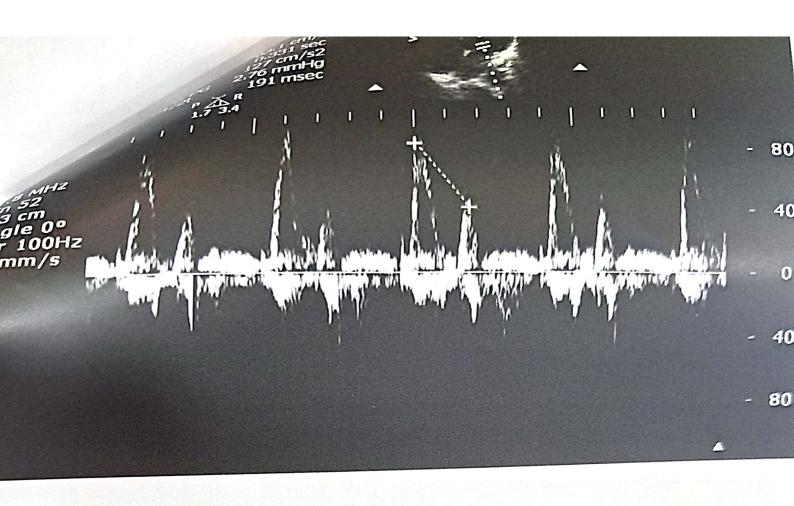
CONCLUSION

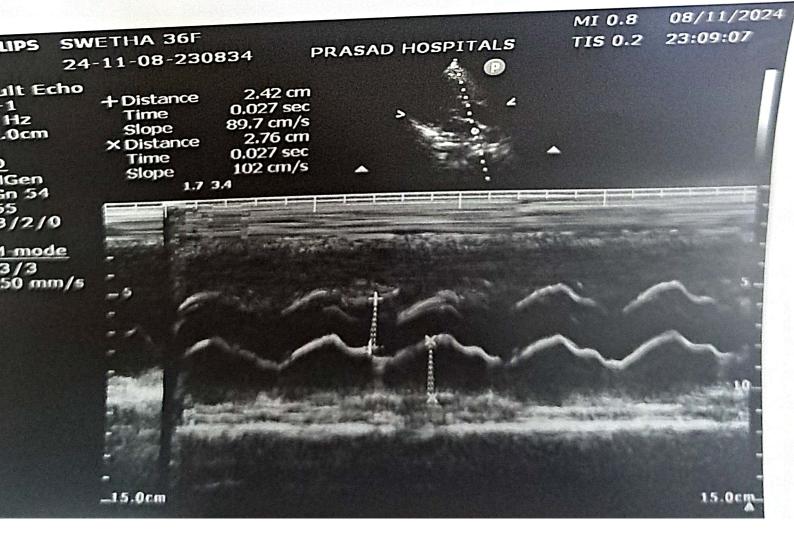
NORMAL SIZED CARDIAC CHAMBERS NO RWMA OF LV NORMAL LV SYSTOLIC FUNCTION NORMAL LV FILLING PATTERN NO MR/ NO AR TRIVIAL TR, NO PAH NO PE, VEGETATION/CLOT

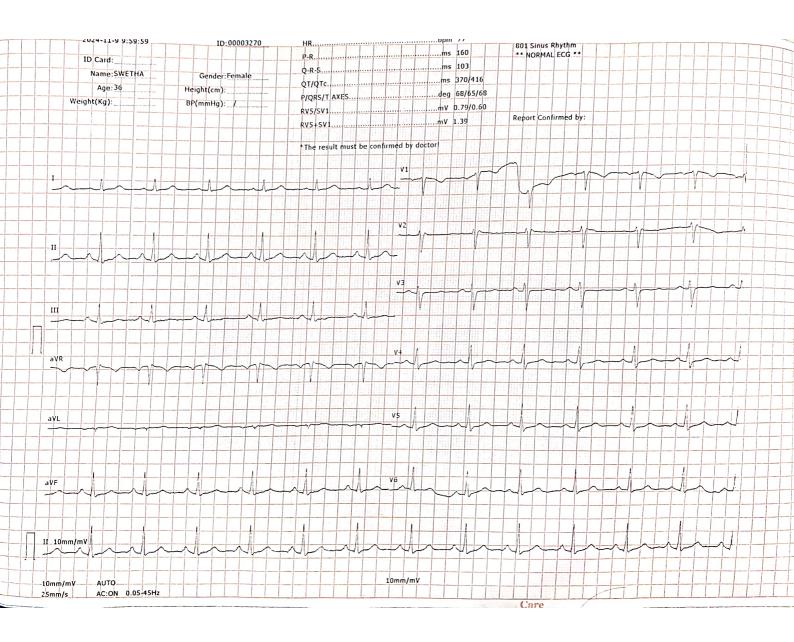
> DR. SRAVAN KUMAR V MBBS, MD, DM (CARDIOLOGIST)

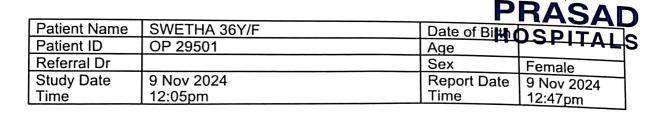












PLAIN RADIOGRAPH OF CHEST-PA VIEW

FINDINGS:

: Cardiac size is normal. **CARDIA**

Cardiac silhouette is normal.

Both domes of diaphragm are normal in position.

LUNGS : Both lungs appear clear.

Trachea and visualized major bronchi are normal in caliber and orientation.

Both hemi thoraces are of equal and normal volume.

HILA: Mediastinal silhouette appears normal.

Bilateral hilar shadows appear normal.

: Bilateral costophrenic and cardiophrenic angles appear clear. CP ANGLES

: Visualized bilateral ribs and clavicles are intact. **BONE CAGE**

IMPRESSION:

No abnormal radiographic changes in the chest.

Suggested clinical correlation; Kindly discuss if needed.

Dr. Meenu Chandran Consultant Radiologist











PATIENT NAME: SWETHA REF BY DR: PRASD HOSPITALTS

USG REPORT - BOTH BREASTS

Sonography of both breasts done

RIGHT BREAST:

Parenchyma

Skin Thickness normal

Sub cutaneous fat normal.

No ductal Dilatation.

No focal lesion seen.

Fibroglandular echogenicity normal.

Nipple areolar complex normal.

Retromammary

Retromammary area appeared normal

Axillary Tail

Axillary Tail: Normal.

Axillary Nodes

No significant enlargement of axillary node seen

LEFT BREAST:

Parenchyma

Skin Thickness normal

No ductal Dilatation.

No focal lesion seen.

Fibroglandular echogenicity normal.

Nipple areolar complex normal.

Retromammary

Retromammary area appeared normal









Axillary Tail

Axillary Tail: Normal.

Axillary Nodes

No significant enlargement of axillary node seen.



USG REPORT - BOTH BREASTS

IMPRESSION:

- Right breast parenchyma is normal.
- Right axilla normal.
- Left breast parenchyma is normal.
- Left axilla normal.
 - Suggested clinical correlation for further evaluation.

BI - RADS SCORE IS: RIGHT BREAST: I

LEFT BREAST : I

NOTE: BI - RADS SCORING KEY

O - Needs additional evaluation, I - Negative, II - Benign findings, III - Probably benign

IV - Suspicious abnormality - Biopsy to be considered, V - Highly suggestive of malignancy,

VI - Known biopsy proven malignancy.

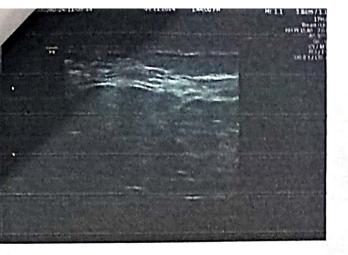
Dr. Charishma Daruru MBBS. MD (Radiodiagnosis) Consultant Radiologist Regd No: 91510 Prasad Hospitals India Pvt. Ltd.

CONSULTANT RADIOLOGIST.





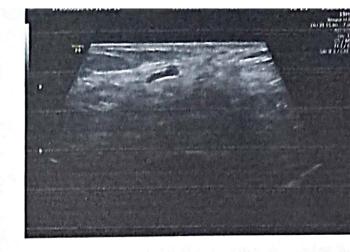








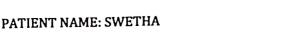














REF BY DR. PRASAD HOSPITALS

09/11/2024

36YRS/FEMALE

ULTRA SOUND SCAN ABDOMEN

LIVER:

Normal in size, Normal shape & echo texture.

No focal lesion seen.

No IHBD, Portal vein is normal and CBD normal

GALL BLADDER:

not visualized post cholecystectomy status.

PANCREAS:

Normal in size, shape and echo pattern. Main pancreatic duct normal.

SPLEEN:

Normal in size with normal echo texture. No focal lesion seen. Splenic Veins normal.

RIGHT KIDNEY

Normal in size, with normal shape and echogenicity. Corticomedullary differentiation is well maintained

Pelvicalyceal system is normal.

No focal lesion seen. No e/o renal calculi

LEFT KIDNEY:

Normal in size, with normal shape and echogenicity. Corticomedullary differentiation is well maintained

Pelvicalyceal system is normal.

No focal lesion seen. No e/o renal calculi

BLADDER:

Well, distended with normal wall thickness. No evidence of calculi.

UTERUS:

Uterus measures: 7.8 x 3.9 x 4.5 cm

Anteverted appears normal in size, shape and echogenicity.

Endo myometrial junction is normal. E.T 9 mm.

RIGHT OVARY:

Normal in size with normal echo texture. 2.9 x 1.3 cm

LEFT OVARY:

Normal in size with normal echo texture. 2.4 x 1.3 cm

IMPRESSION: No significant abnormality detected.

For clinical correlation

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