

DR. MAHENDRA CHOURASIYA
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CONSULTANT CARDIOLOGIST

UNIQUE DIAGNOSTIC CENTRE
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ECHOCARDIOGRAPHY REPORT

NAME : **MRS. NIDHI BAKRE** **Age** : **29 Yrs/ F**
REFERRED BY : **BOB** **Date** : **29th Mar, 2023**

ECHOCARDIOGRAPHIC OPINION

INTERPRETATION :-

- ** Normal sized cardiac chambers.
- ** Normal biventricular functions. LVEF : 60 %.
- ** Normal cardiac valves.

DR.MAHENDRA CHOURASIYA. M.D,D.M.



TWO DIMENSIONAL ECHOCARDIOGRAPHY

M Mode examination revealed normal movement of both mitral leaflets during diastole.

No SAM or mitral valve prolapse is seen.

Aortic cusps are not thickened and enclosure line is central.

Tricuspid valve is normal, pulmonary valve is normal, aortic root is normal in size, dimensions of left atrium and left ventricle are normal.

2 - D imaging in PLAX, SAX and apical views revealed a normal sized left ventricle.

Movement of septum, anterior, posterior, inferior and lateral walls is normal. Global LVEF is 60 %.

Mitral valve opening is normal. No evidence of mitral valve prolapse is seen.

Aortic valve has three cusps and its opening is not restricted.

Right atrium and right ventricle are normal in size.

Tricuspid valve leaflets move normally.

Pulmonary valve is normal.

Interatrial and interventricular septa are intact.

No intracardiac mass or thrombus is seen.

No pericardial pathology is observed.

MEASUREMENTS :

[C] DIMENSIONS	OBSERVED VALUES	Normal Values (For Adults)
1. Aortic Root diameter	: 2.5 cms.	2.0-3.7 cm < 2.2 cm / M ²
2. Aortic Valve Opening	: 2.4 cms.	1.5-2.6 cm
3. Right Ventricular Dimension	: --	
4. Left Atrial Dimension	: 2.6 cms.	1.9-4.0 cm < 2.2 cm / M ²
5. Left Ventricular ED Dimension	: 3.3 cms.	3.7-5.6 cm < 3.2 cm / M ²
6. Left Ventricular ES Dimension	: 2.3 cms.	2.2-4.0 cm
7. Inter Ventricular ED Septal thickness	: 1.3 cms.	0.6-1.2 cm
8. Left Ventricular ED PW thickness	: 1.3 cms.	0.5-1.0 cm
9. IVS / LVPW	: 01	< 1.3

[E] INDICES OF LEFT VENTRICULAR FUNCTION

1. Mitral E - Septal Separation	: 0.5	< 0.9- cm
2. Left Ventricular Ejection Fraction	: 60 %	60 - 80 %

DOPPLER

Peak Flow Velocity (M/Sec.)		Peak Gradient (mmHg.)	Regurgitation
MV	Normal	--	Normal
TV	Normal	--	Normal
AV	Normal	--	Normal
PV	Normal	--	Normal

PASP : Normal



LABORATORY REPORT



Name : Mrs. NIDHI BAKRE	Sex/Age : Female / 29 Years	Case ID : 30301607199
Ref. By :	Dis. At :	Pt. ID :
Bill. Loc. : UNIQUE DIAGNOSTIC CENTRE INDORE		Pt. Loc. :
Reg Date and Time : 29-Mar-2023 13:42	Sample Type : Serum	Mobile No. :
Sample Date and Time : 29-Mar-2023 13:42	Sample Coll. By : non	Ref Id1 :
Report Date and Time : 29-Mar-2023 14:38	Acc. Remarks : -	Ref Id2 :

TEST	RESULTS	UNIT	BIOLOGICAL REF RANGE	REMARKS
Thyroid Function Test				
Triiodothyronine (T3) CMIA	120.39	ng/dL	58 - 159	
Thyroxine (T4) CMIA	7.7	µg/dL	5.5 - 11.0	
TSH CMIA	1.147	µIU/mL	0.4 - 4.2	

INTERPRETATIONS

- Circulating TSH measurement has been used for screening for euthyroidism, screening and diagnosis for hyperthyroidism & hypothyroidism. Suppressed TSH (<0.01 µIU/mL) suggests a diagnosis of hyperthyroidism and elevated concentration (>7 µIU/mL) suggest hypothyroidism. TSH levels may be affected by acute illness and several medications including dopamine and glucocorticoids. Decreased (low or undetectable) in Graves disease. Increased in TSH secreting pituitary adenoma (secondary hyperthyroidism), PPTH and in hypothalamic disease thyrotropin (tertiary hyperthyroidism). Elevated in hypothyroidism (along with decreased T4) except for pituitary & hypothalamic disease.
- Mild to modest elevations in patient with normal T3 & T4 levels indicates impaired thyroid hormone reserves & incipient hypothyroidism (subclinical hypothyroidism).
- Mild to modest decrease with normal T3 & T4 indicates subclinical hyperthyroidism.
- Degree of TSH suppression does not reflect the severity of hyperthyroidism, therefore, measurement of free thyroid hormone levels is required in patient with a suppressed TSH level.

CAUTIONS

Sick, hospitalized patients may have falsely low or transiently elevated thyroid stimulating hormone. Some patients who have been exposed to animal antigens, either in the environment or as part of treatment or imaging procedure, may have circulating antianimal antibodies present. These antibodies may interfere with the assay reagents to produce unreliable results.

TSH ref range in Pregnancy

	Reference range (microIU/ml)
First trimester	0.24 - 2.00
Second trimester	0.43-2.2
Third trimester	0.8-2.5

Note:(LL-VeryLow,L-Low,H-High,HH-VeryHigh ,A-Abnormal)

Dr. Soma Yadav
M.D. (Pathology)

Dr. A Mishra
M.D. Microbiology

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MRS. NIDHI BAKRE**29 Years /F****BANK OF BARODA****29-03-2023****URINE EXAMINATION**

Test Name	Results	Normal Range
PHYSICAL EXAMINATION		
Quantity	30 ml	
Colour	Pale Yellow	
Appearance	Clear	
Deposits	Absent	
Specific Gravity	1.015	
Reaction	Acidic	
CHEMICAL EXAMINATION		
Albumin	Nil	
Sugar	Nil	
Ketones	Absent	
Bile Pigments	Negative	
Bile Salt	Negative	
Hematuria	Negative	
MICROSCOPIC EXAMINATION		
Pus Cells	1- 2 /hpf	
Red Blood Cells	Nil/hpf	
Epithelial Cell	1 - 2 /hpf	
Crystals	Nil	
Casts	Absent	

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MRS. NIDHI BAKRE**29 Years /F****BANK OF BARODA****29-03-2023****LIPID PROFILE**

Test Name	Results	Normal Range
TOTAL LIPIDS	494	400 - 700 mg/dl
CHOLESTROL	163.0	<200 mg/dl- Desirable 200 - 239 mg/dl - Borderline High >240 Mg/dl High
HDL CHOLESTROL	44.0	35- 60 mg/dl
TRIGLYCERIDE	118.0	<150 mg/dl Normal 150 - 199 mg/dl Borderline High 200 - 499 mg/dl High
LDL CHOLESTROL	95.4	<100 mg/dl Optimal 100- 129 mg/dl Borderline high 160 - 189 mg/dl High
VLDL CHOLESTROL	23.6	<40 mg/dl
RISK RATIO	3.7	3 - 6

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BANK OF BARODA29 Years /F
29-03-2023

Test Name	Results	Normal Range
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HAEMATOLOGY PROFILE

BLOOD GROUP	: -	
"ABO " GROUP	"A"	
Rh (D) Factor	Positive	
	.	
	.	
(Cross matching & recheck of Blood Group is mandatory before any transfusion)	.	
HBA1C	5.4	Normal 4-6 % Good Control 6-7 % Fair Control 7-8 % Unsatisfactory Control 8-10 % Poor Control Above 10 %

BIOCHEMISTRY

URIC ACID	3.48	2.5 - 6.8 mg/dl
FASTING BLOOD SUGAR	73.0	70 - 110 mg/dl
P.P. BLOOD SUGAR	86.0	upto 140 mg/dl
CREATININE	0.74	0.6 - 1.4 mg/dl

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29-03-2023**HEAMOGRAM**

Test Name	Results	Normal Range
Haemoglobin (HB)	12.1	11 - 16 gm%
R.B.C. Count	4.55	3.8 - 4.8 milli./cu.mm
PCV	38.3	36 - 46 %
MCV	84.18	80 - 98 fl
MCH	26.59	27 - 32 pg
MCHC	31.59	31.5 - 34.5 %
TOTAL WBC COUNT	7,300	4,000 to 11,000 /cu.mm
DIFFERENTIAL WBC COUNT	.	
Neutrophils	64	40 - 75 %
Lymphocytes	29	20 - 40 %
Monocytes	04	02 - 08 %
Eosinophils	03	01 - 05 %
Basophils	00	00 - 01 %
PLATELET COUNT	3.07	1.5 - 4 Lacs/cu.mm.
E.S.R	12	M- 0-10 at the end of 1 hr. F- 0-20 at the end of 1 hr

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M.D.

Pt. Name: **MRS. NIDHI BAKRE**
Ref. By: **BANK OF BARODA**

Age/Sex: **29 Yrs /F**
Date: **29/Mar/2023**

CYTOPATHOLOGY

Material Received :- 1 Pap Smear Prepared.

Smear adequacy :- Satisfactory.

Fair no. clusters of superficial and intermediate squamous epithelial cells

Endocervical cells: Seen, with squamous metaplastic cells

Organism: Mixed flora (lactobacilli and coccobacilli seen)

Inflammatory cells :- Mild Acute inflammatory cells seen.

Reactive cellular changes seen

Negative for intraepithelial lesion or malignancy

Impression: Features are suggestive of Bacterial Vaginosis

Advise: Follow up

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MRS. NIDHI BAKRE
BANK OF BARODA29 Years /F
29-03-2023**BIOCHEMISTRY**

Test Name	Results	Normal Range
SERUM BILIRUBIN	:-	
TOTAL BILIRUBIN	0.85	0 - 1 mg/dl
DIRECT BILIRUBIN	0.12	<0.25 mg/dl
INDIRECT BILIRUBIN	0.73	< 1.0 mg/dl
S.G.O.T	24.0	0 - 45 IU/L
S.G.P.T	19.0	0 - 45 IU/L
ALKALINE PHOSPHATE	86.0	Adult - 42 - 128 IU/L Child - 150 - 630 IU/L
TOTAL PROTEIN	6.22	6.0 to 8.0 g/dl
ALBUMIN	4.35	3.2 to 5.0 g/dl
GLOBULIN	1.87	1.9 to 3.5
A:G RATIO	2.33	1.2 TO 2.3
GAMA GT	14.0	5 - 43 Iu/l

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X-RAY CHEST PA VIEW

Bony cage is normal.

Trachea is central.

C.P. angles are clear.

Cardiac contour and cardiothoracic ratio are normal.

Lung fields are clear.

DR.D.S.CHHABRA.

M.D.

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ABDOMINAL SONOGRAPHY

Liver is of normal size, shape, has smooth margins & regular contours & the parenchyma is normal in echostructure. No focal lesion.

Gall bladder is of normal size, shape, has thin walls & the contents are clear fluid. No evidence of any calculus. Biliary tree is undilated.

Pancreas is normal, no focal / diffuse pathology. Spleen is normal.

Both Kidneys are normal in size [measure about 10.5 cms. in length], shape and echostructure. No calculus in both. The collecting system and ureter on both side are undilated.

Urinary bladder is normal in size, shape and has thin walls.

Uterus is of normal size [measures about 8 x 5 x 4 cms. in diam.] and is retroverted. The uterine outlines are smooth & regular and the myometrial & endometrial echopattern is normal. No mass.

Both ovaries are normal in size, shape and echostructure.

No adnexal / pelvic mass or cyst. No pelvic collection.

There is no ascitis. No obvious abdominal lymphadenopathy. No sub / supra diaphragmatic pathology on either side.

IMPRESSION :

Normal study.

**DR.D.S.CHHABRA.**

M.D.