

**TEST REPORT**

Reg. No : 2410100554 **UHID :** UHID27689 **Reg. Date :** 26-Oct-2024
Name : VAGHELA PRATITI KAMLESHKUMAR **Collected On :** 26-Oct-2024 09:22
Age/Sex : 26 Years / Female **Report Date :** 26-Oct-2024
Ref. By : MEDIWHEEL

Parameter	Result	Unit	Reference Interval
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COMPLETE BLOOD COUNT (CBC)

Hemoglobin (SLS method)	11.3	g/dL	12.0 - 15.0
Hematocrit (Electrical Impedance)	35.5	%	40 - 54
RBC Count (Electrical Impedance)	4.89	million/cmm	3.8 - 4.8
WBC Count (Flowcytometry)	4600	/cmm	4000 - 10000
Platelet Count (Electrical Impedance)	385000	/cmm	150000 - 410000
MCV (Calculated)	72.7	fL	83 - 101
MCH (Calculated)	23.2	Pg	27 - 32
MCHC (Calculated)	31.9	%	31.5 - 34.5
RDW (Calculated)	15.5	%	11.5 - 14.5

DIFFERENTIAL WBC COUNT

Neutrophils (%)	62	%	38 - 70
Lymphocytes (%)	29	%	20 - 45
Monocytes (%)	08	%	2 - 8
Eosinophils (%)	01	%	1 - 4
Basophils (%)	00	%	0 - 1
Neutrophils (Absolute)	2852	/cmm	1800 - 7700
Lymphocytes (Absolute)	1334	/cmm	1000 - 3900
Monocytes (Absolute)	368	/cmm	200 - 800
Eosinophils (Absolute)	46	/cmm	20 - 500
Basophils (Absolute)	0	/cmm	0 - 100
Neutrophil-Lymphocyte Ratio(NLR)	2.11	/cmm	0.7 - 4.0

PERIPHERAL SMEAR EXAMINATION


RBC Morphology Hypochromic and Microcytic with Anisocytosis
WBC Morphology Total WBC and differential count is within normal.
Platelets Platelets are adequate with normal morphology.
Parasites Malarial parasite is not detected.

ERYTHROCYTE SEDIMENTATION RATE

ESR (After 1 hour)	18	mm/hr	0 - 21
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(MD.Pathology)Mr. Akshay Parmar
M.Sc(Biochemistry)



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FBS			
Fasting Blood Sugar (FBS) Glucose Oxidase-Peroxidase	91.8	mg/dL	70 - 110
PPBS			
Post Prandial Blood Sugar (PPBS) Glucose Oxidase-Peroxidase	124.3	mg/dL	110 - 140

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HEMOGLOBIN A1 C ESTIMATION

Specimen: Blood EDTA

Hb A1C <i>HPLC, NGSP Certified</i>	5.2	%	>8 : Action Suggested , 7-8 : Good Control , <7 : Goal , 6-7 : Near Normal Glycemia, <6 : Non-diabetic Level
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Mean Blood Glucose <i>Calculated</i>	102.54	mg/dL	
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Criteria for the diagnosis of diabetes:

1. HbA1c ≥ 6.5 *Or
 2. Fasting plasma glucose >126 gm/dL. Fasting is defined as no caloric intake at least for 8 hrs.Or
 3. Two hour plasma glucose ≥ 200 mg/dL during an oral glucose tolerance test by using a glucose load containing equivalent of 75 gm anhydrous glucosedissolved in water.Or
 4. In a patient with classic symptoms of hyperglycemia or hyperglycemic crisis, a random plasma glucose ≥ 200 mg/dL.
- *In the absence of unequivocal hyperglycemia, criteria 1-3 should be confirmed by repeat testing. American diabetes association. Standards of medical care in diabetes 2011. Diabetes care 2011;34;S11.

Importance of HbA1C (Glycated Hb.) in Diabetes Mellitus:

- HbA1C, also known as glycated hemoglobin, is the most important test for the assessment of long term blood glucose control(also called glycemic control).
- HbA1C reflects mean glucose concentration over past 6-8 weeks and provides a much better indication of longterm glycemic control than blood glucose determination.
- HbA1c is formed by non-enzymatic reaction between glucose and Hb. This reaction is irreversible and therefore remains unaffected by short term fluctuations in blood glucose levels.
- Long term complications of diabetes such as retinopathy (Eye-complications), nephropathy (kidney-complications) and neuropathy (nerve complications), are potentially serious and can lead to blindness, kidney failure, etc.- Glycemic control monitored by HbA1c measurement using HPLC method (GOLD STANDARD) is considered most important. (Ref. National Glycohaemoglobin Standardization Program - NGSP).

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LIVER FUNCTION TEST

SGPT <i>Optimized UV-IFCC</i>	6.3	U/L	1 - 45
SGOT <i>Optimized UV-IFCC</i>	12.8	U/L	1 - 35
Total Bilirubin <i>DCA method</i>	0.38	mg/dL	0 - 2.0
Direct Bilirubin <i>DCA method</i>	0.12	mg/dL	0.0 - 0.4
INDIRECT BILIRUBIN <i>Calculated</i>	0.26	mg/dL	0.0 - 1.6
Alkaline Phosphatase <i>PNP-AMP Buffer, Multiple-point rate</i>	68	U/L	53 - 128
Total Protein	6.75	g/dL	6.4 - 8.2
Albumin <i>By Bromocresol Green</i>	3.79	g/dL	3.5 - 5.2
Globulin <i>Calculated</i>	2.96	g/dL	2.3 - 3.5
A/G Ratio <i>Calculated</i>	1.28		0.8 - 2.0
GGT	27.3	U/L	1 - 55
HBsAg <i>Immunochromatography</i>	Non - Reactive		

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RENAL FUNCTION TEST			
Creatinine <i>Enzymatic ,IDMS Traceable</i>	0.73	mg/dL	0.6 - 1.1
Urea <i>Urease-GLDH, enzymatic UV</i>	15.3	mg/dL	13.0 - 40.0
BUN <i>Calculated</i>	7.15	mg/dL	7 - 23
Uric Acid <i>Enzymatic using TBHBA</i>	3.7	mg/dL	2.6 - 6.2
Sodium <i>Direct ISE</i>	139.6	mmol/L	137 - 145
Potassium <i>Direct ISE</i>	4.96	mmol/L	3.6 - 5.0
Chloride <i>Direct ISE</i>	95.3	mmol/L	94 - 110
Ionized Calcium <i>Direct ISE</i>	4.79	mg/dL	4.4 - 5.4

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LIPID PROFILE

Cholesterol <i>CHOD-PAP method</i>	122	mg/dL	Desirable : < 200.0 Borderline High : 200-239 High : > 240.0
Triglyceride <i>Enzymatic with GPO method</i>	49.1	mg/dL	Normal : < 150.0 Borderline : 150-199 High : 200-499 Very High : > 500.0
VLDL <i>Calculated</i>	9.82	mg/dL	15 - 35
LDL CHOLESTEROL	70.58	mg/dL	Optimal : < 100.0 Near / above optimal : 100-129 Borderline High : 130-159 High : 160-189 Very High : >190.0
HDL Cholesterol <i>Magnetic Cholesterol Oxidase</i>	41.6	mg/dL	Low : < 40 High : > 60
Cholesterol /HDL Ratio <i>Calculated</i>	2.93		0 - 5.0
LDL / HDL RATIO <i>Calculated</i>	1.70		0 - 3.5
Total Lipids <i>Calculated</i>	302.20		400 - 1000

- Pre-analytical requirements for given tests are -Fasting status anywhere between 10-12 hours before collection. Avoid alcohol beverages before lipid panel - minimum 24 hrs.
- Lipid profile results can be erroneous if pre-analytical requirements are not met properly.
- Any medical decision based on test results is to be taken with 2 or more consecutive results suggesting pattern.
- Please note that any lipid lowering drug may interfere in results estimation.
- Sudden commencement or sudden withdrawal of Lipid lowering drug will interfere with test result.

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THYROID FUNCTION TEST

T3 (Triiodothyronine) <i>CMIA</i>	1.07	ng/mL	0.6 - 1.81
T4 (Thyroxine) <i>CMIA</i>	7.46	µg/dL	4.5 - 12.5
TSH <i>ELFA-Enzyme Linked Fluorescent Assay</i>	2.320	µIU/ml	0.35 - 4.94

Thyroid stimulating hormone (TSH) is synthesized and secreted by the anterior pituitary in response to a negative feedback mechanism involving concentrations of FT3 (free T3) and FT4 (free T4). Additionally, the hypothalamic tripeptide, thyrotropin-releasing hormone (TRH), directly stimulates TSH production. TSH stimulates thyroid cell production and hypertrophy, also stimulate the thyroid gland to synthesize and secrete T3 and T4. Quantification of TSH is significant to differentiate 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.

TSH levels During Pregnancy :

First Trimester : 0.1 to 2.5 µIU/mL

Second Trimester : 0.2 to 3.0 µIU/mL

Third trimester : 0.3 to 3.0 µIU/mL

Reference : Carl A. Burtis, Edward R. Ashwood, David E. Bruns. Tietz Textbook of Clinical Chemistry and Molecular Diagnostics. 5th Edition.

Philadelphia: WB Saunders, 2012:2170

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BLOOD GROUP & RH

SPECIMEN: EDTA AND SERUM; METHOD: HAEMAGGLUTINATION

ABO

'B'

Rh (D)

Positive

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ID : 3
Name : PRATHI VAGHELA
Gender : F
Age : 26 Years
Dept :
Bed No :

HR : 58 bpm
PR : 136 ms
QRS : 84 ms
QT/QTc : 406/403 ms
P/QRS/T : 33/77/45°
RV5/SV1 : 1.895/0.620 mv
RV5+SV1 : 2.515 mv

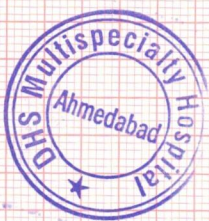
ECG report

<<Interpretations >>
Sinus bradycardia with sinus arrhythmia
Normal ECG except for rate

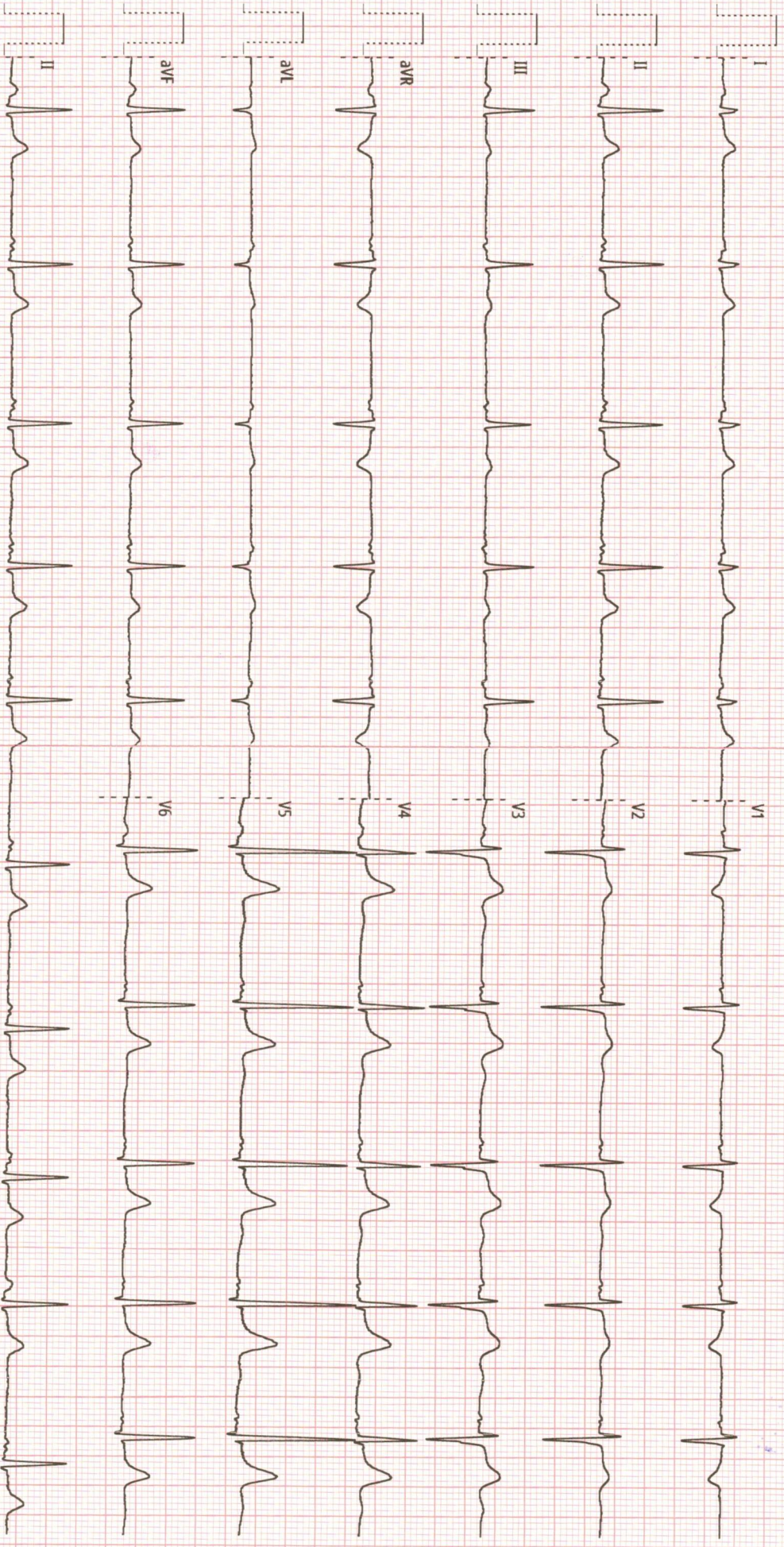
Confirm and sign:

DR. ARCHIT PARIKH
G-30352
M. D. (General Medicine)
DHS MULTISPECIALTY HOSPITAL

Normal ECG



P.R. Vaghele



Patient Name	PRATITI K VAGHELA	Patient ID	UHID27689
Age/Gender	26 Years / F	Study Date	26-Oct-2024
Referred By		Reported Date	26-Oct-2024

X – RAY CHEST PA VIEW:

Both lung fields under vision appear normal.
Cardiac size appears normal.
Both costophrenic angles are clear.
Hilar regions are normal.
Both domes appear normal in position.
Bony thorax under vision appears normal.



Dr Hiren Patel
MD Radiology REG-21502

Date Reported: 26-Oct-2024

This Report is done and digitally signed via Tele Radiology Done at Radiscan Diagnostic Ahmedabad. For any clinical discrepancy, please discuss with the Radiologist. This report is not valid for any medico-legal purposes

PRATITI K. VAGHELA
26Y/F
HEALTH CHECK UP
26/10/2024

U.S.G. OF ABDOMEN AND PELVIS

Liver: appears normal in size & shows normal echotexture. No focal lesion is seen. No dilated IHBR is seen. Portal vein and CBD appear normal in course and caliber.

Gall bladder: is moderately distended & appears normal. No calculus, sludge or mass is seen. Gall bladder wall thickness appears normal.

Pancreas: appears normal in size & echopattern. No focal lesion is seen.

Spleen: appears normal in size and shows normal echotexture. No focal lesion is seen.

Both Kidneys appear normal in size, position and echopattern. C-M differentiation is well preserved on either side. No calculus or hydronephrosis on either side. Cortical thickness appears normal on both sides. No focal lesion is seen on either side.

Urinary bladder is moderately distended & appears normal. No calculus, internal echoes or mass is seen. Urinary bladder wall thickness appears normal.

Uterus and ovaries appears normal in size and echopattern.

Para-aortic region appears normal.
No abdominal lymphadenopathy is seen.
Bowel loops appear normal in caliber & show normal peristalsis.
No abnormal dilatation of bowel loops or wall thickening is seen.
No fluid collection or lump formation is seen in RIF.
No ascites is seen.

IMPRESSION:

NORMAL USG

Clinical correlation suggested. Thanks for reference.


DR. BHADRESH CHUDASAMA
MD RADIOLOGY



PATIENT NAME
AGE / SEX
REF. DOCTOR
DATE

MISS. PRATITI K. VAGHELA
26 YRS/FEMALE
DR. DHS DOCTOR TEAM
26/10/2024

2D ECHO CARDIOGRAPHY REPORT

Observation:

1. Normal LV size with normal LV systolic function. LVEF: 65%.
2. No RWMA at rest.
3. Normal LV compliance.
4. Normal sized LA, RA and RV. Normal RV function.
5. All valves are normal in structure.
6. IAS and IVS are intact.
7. No PAH. RVSP = 30 mmHg.
8. No clot/ vegetation / pericardial effusion.
9. Doppler: Trivial MR, Trivial TR, No AR, No PR.
10. IVC is normal in size and well collapse on inspiration.

Conclusion:

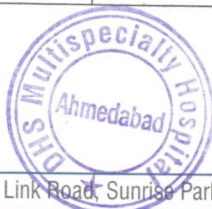
Normal LV systolic function.
No RWMA.
No PAH.

Measurements :

LVIDD	42.0 mm	AO	23.0mm
LVIDS	24.0 mm	LA	28.0mm
LVEF	65%		
IVSD/LVPWD	09.0mm/09.0mm		

DOPPLER STUDY:

Valves	velocity	Max gradient	Mean gradient	Area	Regurgitation
Aortic	1.2	5.2			No AR
Mitral	E:0.4 A: 0.1				Trivial MR
Pulmonary	0.4	3.2			No PR
Tricuspid	0.5	1.1			Trivial TR



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