

TEST REPORT

Reg. No. : 409100070	Reg. Date : 04-Sep-2024 08:42	Ref.No :	Approved On : 04-Sep-2024 11:11
Name : Mr. MAKWANA ARVINDKUMAR			Collected On : 04-Sep-2024 09:40
Age : 49 Years	Gender : Male	Pass. No. :	Dispatch At :
Ref. By : APOLLO			Tele No. :
Location :			

Test	Results	Unit	Bio. Ref. Interval
Complete Blood Count			
Hemoglobin(SLS method)	L 12.9	g/dL	13.0 - 17.0
RBC Count(Ele.Impedence)	H 5.77	X 10 ¹² /L	4.5 - 5.5
Hematocrit (calculated)	41.2	%	40 - 50
MCV (Calculated)	L 71.4	fL	83 - 101
MCH (Calculated)	L 22.4	pg	27 - 32
MCHC (Calculated)	L 31.3	g/dL	31.5 - 34.5
RDW-SD(calculated)	41.70	fL	36 - 46
Total WBC count	5200	/μL	4000 - 10000
DIFFERENTIAL WBC COUNT			
	[%]	EXPECTED VALUES	[Abs] EXPECTED VALUES
Neutrophils	55	38 - 70	2860 /cmm 1800 - 7700
Lymphocytes	35	21 - 49	1820 /cmm 1000 - 3900
Eosinophils	04	0 - 7	208 /cmm 20 - 500
Monocytes	06	3 - 11	312 /cmm 200 - 800
Basophils	00	0 - 1	0 /cmm 0 - 100
NLR (Neutrophil: Lymphocyte Ratio)	1.57	Ratio	1.1 - 3.5
Platelet Count (Ele.Impedence)	369000	/cmm	150000 - 410000
PCT	0.34	ng/mL	< 0.5
MPV	9.10	fL	6.5 - 12.0
Peripheral Smear			
RBCs	Microcytic Hypochromic RBCs are noted.		
WBCs	Normal morphology		
Platelets	Adequate on Smear		
Malarial Parasites	Not Detected		

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Test done from collected sample.




Approved by: Dr. Keyur Patel

TEST REPORT

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Name : Mr. MAKWANA ARVINDKUMAR			Collected On : 04-Sep-2024 09:40
Age : 49 Years	Gender : Male	Pass. No. :	Dispatch At :
Ref. By : APOLLO			Tele No. :
Location :			

Test Name	Results	Units	Bio. Ref. Interval
BLOODGROUP & RH			
<u>Specimen: EDTA and Serum; Method: Gel card system</u>			
Blood Group "ABO" <i>Agglutination</i>	"B"		
Blood Group "Rh" <i>Agglutination</i>	Positive		
EDTA Whole Blood			

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Approved by: **Dr. Keyur Patel**

M.B.B.S,D.C.P(Patho)
G- 22475

Generated On : 04-Sep-2024 14:03

For Appointment : 7567 000 750

www.conceptdiagnostics.com

conceptdiaghealthcare@gmail.com

1st Floor, Sahajand Palace, Near Gopi
Restaurant, Anandnagar Cross Road,
Prahlanagar, Ahmedabad-15.

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TEST REPORT

Reg. No. : 409100070	Reg. Date : 04-Sep-2024 08:42	Ref.No :	Approved On : 04-Sep-2024 12:29
Name : Mr. MAKWANA ARVINDKUMAR			Collected On : 04-Sep-2024 09:40
Age : 49 Years	Gender : Male	Pass. No. :	Dispatch At :
Ref. By : APOLLO			Tele No. :
Location :			

Test Name	Results	Units	Bio. Ref. Interval
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FASTING PLASMA GLUCOSE
Specimen: Fluoride plasma

Fasting Plasma Glucose <i>Hexokinase</i>	97.99	mg/dL	Normal: <=99.0 Prediabetes: 100-125 Diabetes :>=126
---	-------	-------	---

Flouride Plasma

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 >= 200mg/dL during an oral glucose tolerance test by using a glucose load containing equivalent of 75 gm anhydrous glucose dissolved 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.

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Name : Mr. MAKWANA ARVINDKUMAR			Collected On : 04-Sep-2024 11:56
Age : 49 Years	Gender: Male	Pass. No. :	Dispatch At :
Ref. By : APOLLO			Tele No. :
Location :			

Test Name	Results	Units	Bio. Ref. Interval
POST PRANDIAL PLASMA GLUCOSE			
<u>Specimen: Fluoride plasma</u>			
Post Prandial Plasma Glucose <i>Hexokinase</i>	142.89	mg/dL	Normal: <=139 Prediabetes : 140-199 Diabetes: >=200
Flouride Plasma			

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Age : 49 Years	Gender: Male	Pass. No. :	Dispatch At :
Ref. By : APOLLO			Tele No. :
Location :			

Test Name	Results	Units	Bio. Ref. Interval
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GGT	20.00	U/L	10 - 71
-----	-------	-----	---------

L-Y-Glutamyl-3 Carboxy-4-Nitroanilide, Enzymetic Colorimetric

Serum

Uses:

- Diagnosing and monitoring hepatobiliary disease.
- To ascertain whether the elevated ALP levels are due to skeletal disease or due to presence of hepatobiliary disease.
- A screening test for occult alcoholism.

Increased in:

- Intra hepatic biliary obstruction.
- Post hepatic biliary obstruction
- Alcoholic cirrhosis
- Drugs such as phenytoin and phenobarbital.
- Infectious hepatitis (modest elevation)
- Primary/ Secondary neoplasms of liver.

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TEST REPORT

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Name : Mr. MAKWANA ARVINDKUMAR			Collected On : 04-Sep-2024 09:40
Age : 49 Years	Gender : Male	Pass. No. :	Dispatch At :
Ref. By : APOLLO			Tele No. :
Location :			

Test Name	Results	Units	Bio. Ref. Interval
LIPID PROFILE			
CHOLESTEROL	157.00	mg/dL	Desirable <=200 Borderline high risk 200 - 240 High Risk >240
Triglyceride <i>Enzymatic Colorimetric Method</i>	94.00	mg/dL	<150 : Normal, 150-199 : Border Line High, 200-499 : High, >=500 : Very High
Very Low Density Lipoprotein(VLDL) <i>Calculated</i>	19	mg/dL	0 - 30
Low-Density Lipoprotein (LDL) <i>Calculated Method</i>	90.64	mg/dL	< 100 : Optimal, 100-129 : Near Optimal/above optimal, 130-159 : Borderline High, 160-189 : High, >=190 : Very High
High-Density Lipoprotein(HDL)	47.36	mg/dL	<40 >60
CHOL/HDL RATIO <i>Calculated</i>	3.32		0.0 - 3.5
LDL/HDL RATIO <i>Calculated</i>	1.91		1.0 - 3.4
TOTAL LIPID <i>Calculated</i>	462.00	mg/dL	400 - 1000
Serum			

As a routine test to determine if your cholesterol level is normal or falls into a borderline-, intermediate- or high-risk category.
 To monitor your cholesterol level if you had abnormal results on a previous test or if you have other risk factors for heart disease.
 To monitor your body's response to treatment, such as cholesterol medications or lifestyle changes.
 To help diagnose other medical conditions, such as liver disease.
 Note : biological reference intervals are according to the national cholesterol education program (NCEP) guidelines.

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Name : Mr. MAKWANA ARVINDKUMAR			Collected On : 04-Sep-2024 09:40
Age : 49 Years	Gender : Male	Pass. No. :	Dispatch At :
Ref. By : APOLLO			Tele No. :
Location :			

Test Name	Results	Units	Bio. Ref. Interval
<u>LIVER FUNCTION TEST</u>			
TOTAL PROTEIN	7.3	g/dL	6.6 - 8.8
ALBUMIN	4.17	g/dL	3.5 - 5.2
GLOBULIN <i>Calculated</i>	3.13	g/dL	2.4 - 3.5
ALB/GLB <i>Calculated</i>	1.33		1.2 - 2.2
SGOT <i>Pyridoxal 5 Phosphate Activation, IFCC</i>	32.5	U/L	0 - 40
SGPT	29.50	U/L	<41
Alkaline Phosphatase <i>ENZYMATIC COLORIMETRIC IFCC, PNP, AMP BUFFER</i>	56.90	U/L	40 - 130
TOTAL BILIRUBIN	0.62	mg/dL	0.1 - 1.2
DIRECT BILIRUBIN	0.24	mg/dL	<0.2
INDIRECT BILIRUBIN <i>Calculated</i>	0.38	mg/dL	0.0 - 1.00
Serum			

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Name : Mr. MAKWANA ARVINDKUMAR			Collected On : 04-Sep-2024 09:40
Age : 49 Years	Gender : Male	Pass. No. :	Dispatch At :
Ref. By : APOLLO			Tele No. :
Location :			

Test Name	Results	Units	Bio. Ref. Interval
HEMOGLOBIN A1C (HBA1C)	5.70	%	Normal: <= 5.6 Prediabetes:5.7-6.4 Diabetes: >= 6.5 6-7 : Near Normal Glycemia, <7 : Goal ,7-8 : Good Control ,>8 : Action Suggested.
Mean Blood Glucose <i>(Calculated)</i>	117	mg/dL	
EDTA Whole Blood			

Criteria for the diagnosis of diabetes

1. HbA1c >= 6.5 * Or Fasting plasma glucose >126 gm/dL. Fasting is defined as no caloric intake at least for 8 hrs. Or
2. Two hour plasma glucose >= 200mg/dL during an oral glucose tolerance test by using a glucose load containing equivalent of 75 gm anhydrous glucose dissolved in water. Or
3. 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.

Limitation of HbA1c

- 1) In patients with Hb variants even analytically correct results do not reflect the same level of glycemc control that would be expected in patients with normal population.
 - 2) Any cause of shortened erythrocyte survival or decreased mean erythrocyte survival or decreased mean erythrocyte age eg. hemolytic diseases, pregnancy, significant recent/chronic blood loss etc. will reduce exposure of RBC to glucose with consequent decrease in HbA1c values.
 - 3) Glycated HbF is not detected by this assay and hence specimens containing high HbF (>10%)may result in lower HbA1c values than expected. Importance of HbA1C (Glycated Hb.) in Diabetes Mellitus
- HbA1C, also known as glycated heamoglobin, is the most important test for the assessment of long term blood glucose control(also called glycemc control).
 - HbA1C reflects mean glucose concentration over pas 6-8 weeks and provides a much better indication of longterm glycemc 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.
 - Glyemic control monitored by HbA1c measurement using HPLC method (GOLD STANDARD) is considered most important. (Ref. National Glycohaemoglobin Standardization Program - NGSP)
- Note : Biological reference intervals are according to American Diabetes Association (ADA) Guidelines.

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TEST REPORT

Reg. No. : 409100070	Reg. Date : 04-Sep-2024 08:42	Ref.No :	Approved On : 04-Sep-2024 13:50
Name : Mr. MAKWANA ARVINDKUMAR			Collected On : 04-Sep-2024 09:40
Age : 49 Years	Gender : Male	Pass. No. :	Dispatch At :
Ref. By : APOLLO			Tele No. :
Location :			

Test Name	Results	Units	Bio. Ref. Interval
<u>THYROID FUNCTION TEST</u>			
T3 (triiodothyronine), Total <small>CMIA</small>	1.00	ng/mL	0.70 - 2.04
T4 (Thyroxine), Total <small>CMIA</small>	8.21	µg/dL	4.6 - 10.5
TSH (Thyroid stimulating hormone) <small>CMIA</small>	1.658	µIU/mL	0.35 - 4.94

Sample Type: Serum

Comments:

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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Approved On: 04-Sep-2024 13:50

M.D. Biochemistry
Reg. No.: G-32999


 SPECIALITY LABORATORY L14
 PRAHLADNAGAR BRANCH

TEST REPORT

Reg. No. : 409100070	Reg. Date : 04-Sep-2024 08:42	Ref.No :	Approved On : 04-Sep-2024 11:10
Name : Mr. MAKWANA ARVINDKUMAR			Collected On : 04-Sep-2024 09:40
Age : 49 Years	Gender: Male	Pass. No. :	Dispatch At :
Ref. By : APOLLO			Tele No. :
Location :			

Test Name	Results	Units	Bio. Ref. Interval
<u>URINE ROUTINE EXAMINATION</u>			
<u>Physical Examination</u>			
Colour	Yellow		
Clarity	Clear		
<u>CHEMICAL EXAMINATION (by strip test)</u>			
pH	6.5		4.6 - 8.0
Sp. Gravity	1.015		1.002 - 1.030
Protein	Absent		Absent
Glucose	Absent		Absent
Ketone	Absent		Absent
Bilirubin	Absent		Nil
Nitrite	Absent		Nil
Leucocytes	Nil		Nil
Blood	Nil		Absent
<u>MICROSCOPIC EXAMINATION</u>			
Leucocytes (Pus Cells)	1-2		0 - 5/hpf
Erythrocytes (RBC)	Nil		0 - 5/hpf
Casts	Nil	/hpf	Absent
Crystals	Nil		Absent
Epithelial Cells	Occasional		Nil
Monilia	Absent		Nil
T. Vaginalis	Absent		Nil
Bacteria	Absent		Absent
Urine			

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TEST REPORT

Reg. No. : 409100070	Reg. Date : 04-Sep-2024 08:42	Ref.No :	Approved On : 04-Sep-2024 12:21
Name : Mr. MAKWANA ARVINDKUMAR			Collected On : 04-Sep-2024 09:40
Age : 49 Years	Gender : Male	Pass. No. :	Dispatch At :
Ref. By : APOLLO			Tele No. :
Location :			

Test Name	Results	Units	Bio. Ref. Interval
Creatinine	0.69	mg/dL	0.67 - 1.5


Serum

Creatinine is the most common test to assess kidney function. Creatinine levels are converted to reflect kidney function by factoring in age and gender to produce the eGFR (estimated Glomerular Filtration Rate). As the kidney function diminishes, the creatinine level increases; the eGFR will decrease. Creatinine is formed from the metabolism of creatine and phosphocreatine, both of which are principally found in muscle. Thus the amount of creatinine produced is, in large part, dependent upon the individual's muscle mass and tends not to fluctuate much from day-to-day. Creatinine is not protein bound and is freely filtered by glomeruli. All of the filtered creatinine is excreted in the urine.

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Age : 49 Years	Gender : Male	Pass. No. :	Dispatch At :
Ref. By : APOLLO			Tele No. :
Location :			

Test Name	Results	Units	Bio. Ref. Interval
Urea	30.9	mg/dL	17 - 43

Serum

Useful screening test for evaluation of kidney function. Urea is the final degradation product of protein and amino acid metabolism. In protein catabolism, the proteins are broken down to amino acids and deaminated. The ammonia formed in this process is synthesized to urea in the liver. This is the most important catabolic pathway for eliminating excess nitrogen in the human body. 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. The test is frequently requested along with the serum creatinine test since simultaneous determination of these 2 compounds appears to aid in the differential diagnosis of prerenal, renal and postrenal hyperuremia.

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Age : 49 Years	Gender : Male	Pass. No. :	Dispatch At :
Ref. By : APOLLO			Tele No. :
Location :			

Test Name	Results	Units	Bio. Ref. Interval
<u>ELECTROLYTES</u>			
Sodium (Na+) <small>Method:ISE</small>	143.1	mmol/L	136 - 145
Potassium (K+) <small>Method:ISE</small>	4.4	mmol/L	3.5 - 5.1
Chloride(Cl-) <small>Method:ISE</small>	101.2	mmol/L	98 - 107
Serum			

Comments

The electrolyte panel is ordered to identify electrolyte, fluid, or pH imbalance. Electrolyte concentrations are evaluated to assist in investigating conditions that cause electrolyte imbalances such as dehydration, kidney disease, lung diseases, or heart conditions. Repeat testing of the electrolyte or its components may be used to monitor the patient's response to treatment of any condition that may be causing the electrolyte, fluid or pH imbalance.

----- End Of Report -----

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MER- MEDICAL EXAMINATION REPORT

Date of Examination	04-09-2024		
NAME	MAKWANA ARVIND KUMAR		
AGE	49	Gender	MALE
HEIGHT(cm)	170	WEIGHT (kg)	83.2
B.P.	116/80/77		
XRAY	NORMAL		
ECG	NORMAL		
EYE CHECKUP	R- WITH GLASSES 6/6 L- WITH GLASSES 6/6 COLOR VISION - NORMAL		
Present Ailments	N/A		
Details of Past ailments (If Any)	N/A		
Comments / Advice : She /He is Physically Fit	PHYSICALLY FIT		

Dr. Vipul Chavda
MD (Internal Medicine)
Reg.No. G-18004

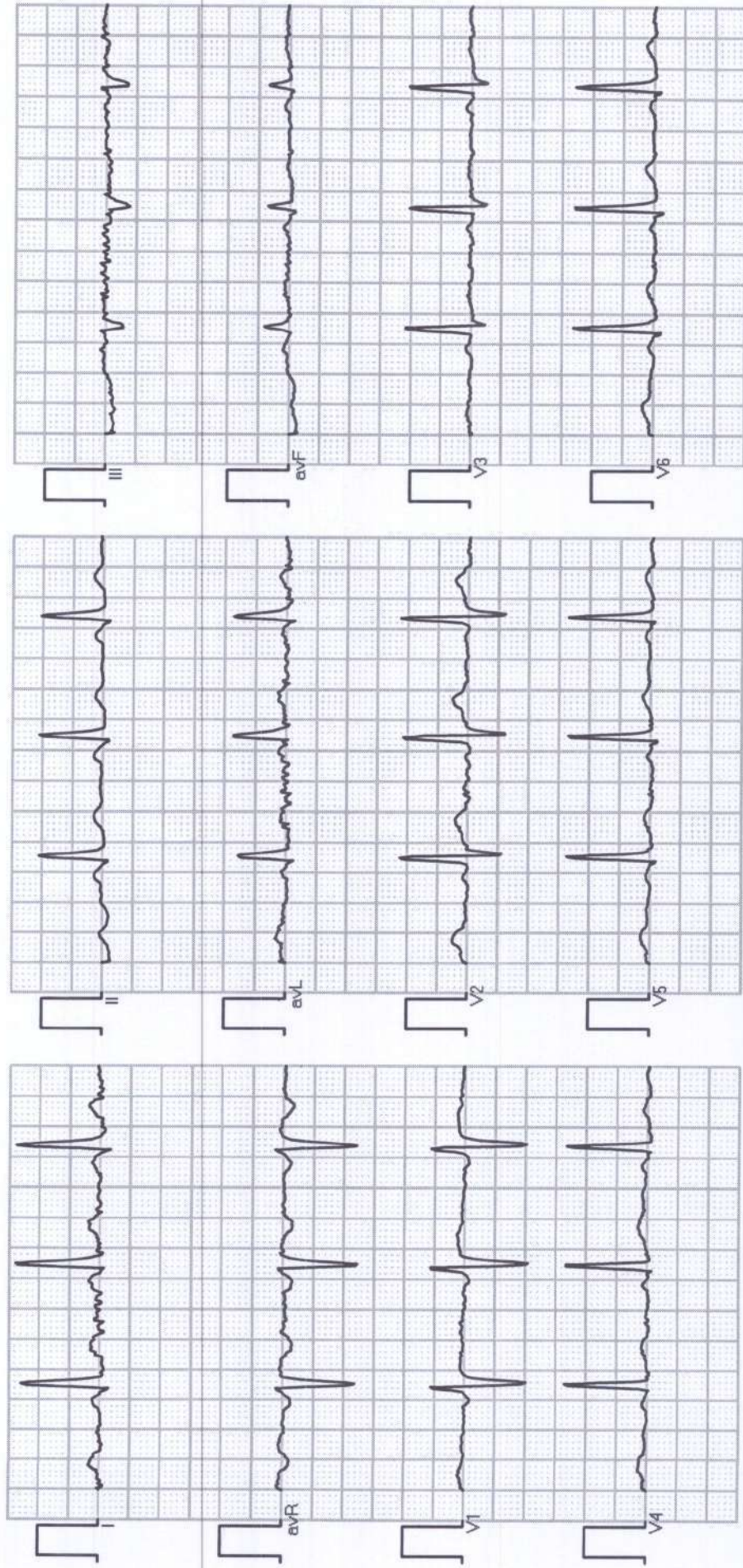
-- Signature with Stamp of Medical Examiner

CONCEPT DIAGNOSTIC

2812 / MAKWANA ARVIND KUMAR / 49 Yrs / M / 170Cms. / 83Kgs. / Non Smoker

Heart Rate : 77 bpm / Tested On : 04-Sep-24 11:01:02 / HF 0.05 Hz - LF 35 Hz / Notch 50 Hz / Sn 1.00 Cm/mV / Sw 25 mm/s

ECG



Vent Rate : 77 bpm
PR Interval : 126 ms
QRS Duration : 100 ms
QT/QTc Int : 396/426 ms
P-QRS-T axis: 37.00° 21.00° 28.00°



DR. PARTH THAKKAR
MD (Med), DFNB (Cardiology)
Interdisciplinary cardiologist
G - 32346

Reported By: DR PARTH THAKKAR



NAME :	ARVINDKUMAR MAKWANA	AGE/SEX:	49 YRS /M
REF. BY:	HEALTH CHECK UP	DATE :	4-Sep-24

X-RAY CHEST - PA VIEW

- Both lung fields are clear.
- No evidence of consolidation or Koch's lesion seen.
- Both CP angles are clear.
- Heart size is within normal limit.
- Both dome of diaphragm appear normal.
- Bony thorax under vision appears normal.

Dr. Kruti Dave
G-48337

Dr. KRUTI DAVE
CONSULTANT RADIODIAGNOSIS



NAME :	MAKWANA ARVINDKUMAR	AGE/SEX:	49 Y/M
REF. BY:	HEALTH CHECK UP	DATE :	4-Sep-24

USG ABDOMEN & PELVIS

LIVER: normal in size & shows increased echogenicity. No evidence of dilated IHBR. No evidence of focal or diffuse lesion. CBD & Portal vein normal.

GALL-BLADDER: normal, No evidence of Gall Bladder calculi.

PANCREAS: normal in size & echotexture, No e/o peri-pancreatic fluid collection.

SPLEEN: normal in size & shows normal echogenicity.

KIDNEYS: Both kidneys appear normal in size & echotexture.
Right kidney measures 99x53mm. Left kidney measures 107x60 mm.
Few small (3-4mm) non-obstructive bilateral renal calyceal calculi.
No evidence of hydronephrosis on either side.

URINARY BLADDER: appears normal and shows normal distension & normal wall thickness.
No evidence of calculus or mass lesion.

PROSTATE: normal in size & echotexture.

USG WITH HIGH FREQUENCY SOFT TISSUE PROBE:

Visualized bowel loops appears normal in caliber. No evidence of focal or diffuse wall thickening. No collection in RIF. No e/o Ascites. No e/o significant lymphadenopathy.

IMPRESSION:

- Grade-II fatty liver.
- Few small (3-4mm) non-obstructive bilateral renal calyceal calculi.

Dr. TEJAS PATEL
DNB RADIODIAGNOSIS

Dr. Tejas Patel
Diplomate N. B.
G-33659

📞 For Appointment : 756 7000 750/850

🌐 www.conceptdiagnostic.com

✉ dir.cd@gmail.com

📍 1st Floor, Sahajand Palace, Near Gopi Restaurant, Anandnagar Cross Road, Prahladnagar, Ahmedabad-15.



NAME	Makwana Arvindkumar		
AGE/ SEX	49 YR /M	DATE	04-Sep-2024
REF. BY	Health checkup	DONE BY	Dr Parth Thakkar

2D ECHO CARDIOGRAPHY & COLOR DOPPLER STUDY

FINDINGS:-

- Normal LV systolic function, LVEF= 60 %.
- No RWMA at rest.
- LV and LA are of normal size.
- RA & RV are normal.
- Normal LV compliance.
- Intact IAS & IVS
- All valves are structurally normal
- Mild MR, No AR
- Mild TR, No PAH. RVSP 25mmHg
- No clot or vegetation.
- No evidence of pericardial effusion.
- IVC normal



MEASUREMENTS:-

LVIDD	45(mm)	LA	34(mm)
LVIDS	27(mm)	AO	27(mm)
LVEF	60%	AV cusp	
IVSD / LVPWD	10/10 (mm)	EPSS	

DOPPLER STUDY:-

Valve	Velocity (M/sec)	Max gradient (MmHg)	Mean gradient (Mm Hg)	Valve area Cm ²
Aortic	1.1	5		
Mitral	E: 0.7 A: 0.5			
Pulmonary	0.8			
Tricuspid	2.1	20		

CONCLUSION:-

- Normal LV systolic function, LVEF=60%.
- No RWMA at rest.
- Normal LV compliance.
- RA & RV are normal.
- All valves are structurally normal.
- Mild MR, No AR, Mild TR, No PAH
- IVC normal

DR. PARTH THAKKAR
MD (Med.) DrNB (Cardiology)
Interventional cardiologist
G - 32946

Dr. Parth Thakkar
MD (Med.), DrNB (Cardiology)
Interventional Cardiologist
79901-79258

Dr. Abhimanyu D Kothari
DM (Med.), DM (Cardiology)
Interventional Cardiologist
Regd. No. G 29383

Dr. Abhimanyu D Kothari
MD (Med.), DM (Cardiology)
Interventional Cardiologist
9714675115

Dr Saumya Smart
MD, PGDCC
Clinical Cardiology
8469-333-222



