

**TEST REPORT**

**Reg. No :** 2411100372      **UHID :** UHID28139      **Reg. Date :** 23-Nov-2024  
**Name :** MR PRAJAPATI KIRAN      **Collected On :** 23-Nov-2024 08:42  
**Age/Sex :** 22 Years / Male      **Report Date :** 23-Nov-2024  
**Ref. By :** MEDIWHEEL

Parameter	Result	Unit	Reference Interval
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**COMPLETE BLOOD COUNT (CBC)**

Hemoglobin (SLS method)	16.8	g/dL	13.0 - 17.0
Hematocrit (Electrical Impedance)	49.3	%	40 - 54
RBC Count (Electrical Impedance)	<b>5.52</b>	million/cmm	4.5 - 5.5
WBC Count (Flowcytometry)	6190	/cmm	4000 - 10000
Platelet Count (Electrical Impedance)	264000	/cmm	150000 - 410000
MCV (Calculated)	89.3	fL	83 - 101
MCH (Calculated)	30.4	Pg	27 - 32
MCHC (Calculated)	34.1	%	31.5 - 34.5
RDW (Calculated)	14.0	%	11.5 - 14.5

**DIFFERENTIAL WBC COUNT**

Neutrophils (%)	50	%	38 - 70
Lymphocytes (%)	40	%	20 - 45
Monocytes (%)	06	%	2 - 8
Eosinophils (%)	04	%	1 - 4
Basophils (%)	00	%	0 - 1
Neutrophils (Absolute)	3095	/cmm	1800 - 7700
Lymphocytes (Absolute)	2476	/cmm	1000 - 3900
Monocytes (Absolute)	371	/cmm	200 - 800
Eosinophils (Absolute)	248	/cmm	20 - 500
Basophils (Absolute)	0	/cmm	0 - 100
Neutrophil-Lymphocyte Ratio(NLR)	1.24	/cmm	0.7 - 4.0

**PERIPHERAL SMEAR EXAMINATION**

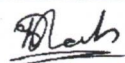
RBC Morphology	RBCs are Normochromic Normocytic.
WBC Morphology	Total WBC and differential count is within normal.
Platelets	Platelets are adequate with normal morphology.
Parasites	Malarial parasite is not detected.

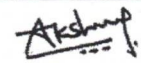
**ERYTHROCYTE SEDIMENTATION RATE**

ESR (After 1 hour)	12	mm/hr	0 - 14
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(MD.Pathology)

  
**Mr. Akshay Parmar**  
M.Sc(Biochemistry)

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**BLOOD GROUP & RH**

SPECIMEN: EDTA AND SERUM; METHOD: HAEMAGGLUTINATION

ABO	'AB'
Rh (D)	Positive

**POST PRANDIAL BLOOD SUGAR**

SPECIMEN: FLOURIDE PLASMA/ SERUM

**PPBS**

Post Prandial Blood Sugar (PPBS)	125.3	mg/dL	110 - 140
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*Glucose Oxidase-Peroxidase*

**FASTING BLOOD SUGAR**

SPECIMEN: FLOURIDE PLASMA/ SERUM

**FBS**

Fasting Blood Sugar (FBS)	88.1	mg/dL	70 - 110
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*Glucose Oxidase-Peroxidase*

**Criteria for the diagnosis of diabetes** 1. HbA1c  $\geq$  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  $\geq$  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  $\geq$  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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**HEMOGLOBIN A1 C ESTIMATION**

Specimen: Blood EDTA

<b>Hb A1C</b> <i>HPLC, NGSP Certified</i>	5.5	%	>8 : Action Suggested , 7-8 : Good Control , <7 : Goal , 6-7 : Near Normal Glycemia, <6 : Non-diabetic Level
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<b>Mean Blood Glucose</b> <i>Calculated</i>	111.15	mg/dL
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**Criteria for the diagnosis of diabetes:**

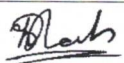
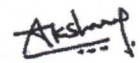
- HbA1c  $\geq 6.5$  \*Or
  - Fasting plasma glucose  $>126$  gm/dL. Fasting is defined as no caloric intake at least for 8 hrs.Or
  - Two hour plasma glucose  $\geq 200$ mg/dL during an oral glucose tolerance test by using a glucose load containing equivalent of 75 gm anhydrous glucosedissolved in water.Or
  - In a patient with classic symptoms of hyperglycemia or hyperglycemic crisis, a random plasma glucose  $\geq 200$  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 heamoglobin, is the most important test for the assessment of long term blood glucose control( also called glycemic control).
- HbA1C reflects mean glucose concentration over pas 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.- Glyemic control monitored by HbA1c measurement using HPLC method (GOLD STANDARD ) is considered most important. (Ref. National Glycohaemoglobin Standardization Program - NGSP).

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**THYROID FUNCTION TEST**

T3 (Triiodothyronine) <i>CMIA</i>	0.89	ng/mL	0.6 - 1.81
T4 (Thyroxine) <i>CMIA</i>	5.89	µg/dL	4.5 - 12.5
TSH <i>ELFA-Enzyme Linked Fluorescent Assay</i>	0.785	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

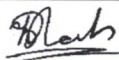
Reference : Carl A. Burtis, Edward R. Ashwood, David E. Bruns. Tietz Textbook of Clinical Chemistry and Molecular Diagnostics. 5th Edition.


Philadelphia: WB Saunders, 2012:2170

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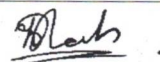

**LIPID PROFILE**

Cholesterol <i>CHOD-PAP method</i>	132	mg/dL	Desirable : < 200.0 Borderline High : 200-239 High : > 240.0
Triglyceride <i>Enzymatic with GPO method</i>	77.0	mg/dL	Normal : < 150.0 Borderline : 150-199 High : 200-499 Very High : > 500.0
VLDL <i>Calculated</i>	15.40	mg/dL	15 - 35
LDL CHOLESTEROL	83.50	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>	33.1	mg/dL	Low : < 40 High : > 60
Cholesterol /HDL Ratio <i>Calculated</i>	3.99		0 - 5.0
LDL / HDL RATIO <i>Calculated</i>	2.52		0 - 3.5
Total Lipids <i>Calculated</i>	<b>378.00</b>		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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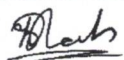
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<b>RENAL FUNCTION TEST</b>			
Creatinine <i>Enzymatic ,IDMS Traceable</i>	0.80	mg/dL	0.7 - 1.3
Urea <i>Urease-GLDH, enzymatic UV</i>	25.3	mg/dL	19.0 - 45.0
BUN <i>Calculated</i>	11.82	mg/dL	7 - 18
Uric Acid <i>Enzymatic using TBHBA</i>	4.5	mg/dL	3.5 - 7.2
Sodium <i>Direct ISE</i>	138.3	mmol/L	137 - 145
Potassium <i>Direct ISE</i>	4.58	mmol/L	3.6 - 5.1
Chloride <i>Direct ISE</i>	95.3	mmol/L	94 - 110
Ionized Calcium <i>Direct ISE</i>	4.78	mg/dL	4.4 - 5.4

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<b>LIVER FUNCTION TEST</b>			
SGPT <i>Optimized UV-IFCC</i>	13.1	U/L	1 - 45
SGOT <i>Optimized UV-IFCC</i>	20.9	U/L	1 - 35
Total Bilirubin <i>DCA method</i>	1.48	mg/dL	0 - 2.0
Direct Bilirubin <i>DCA method</i>	0.35	mg/dL	0.0 - 0.4
INDIRECT BILIRUBIN <i>Calculated</i>	1.13	mg/dL	0.0 - 1.6
Alkaline Phosphatase <i>PNP-AMP Buffer, Multiple-point rate</i>	59	U/L	53 - 128
Total Protein	7.16	g/dL	6.4 - 8.2
Albumin <i>By Bromocresol Green</i>	3.89	g/dL	3.5 - 5.2
Globulin <i>Calculated</i>	3.27	g/dL	2.3 - 3.5
A/G Ratio <i>Calculated</i>	1.19		0.8 - 2.0
GGT	47.1	U/L	1 - 55

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Name: KIRAN PRAJAPATI

Sex: Male

Age: 22Y

Clinic No.:

Bed No.:

SN: 9004182

Section:

Date: 23/11/2024 09:02:14

Case No.:

Frequency: 1000 Hz

Sample Time: 13 s

HR: 71 bpm

P Interval: 86 ms

QRS Interval: 82 ms

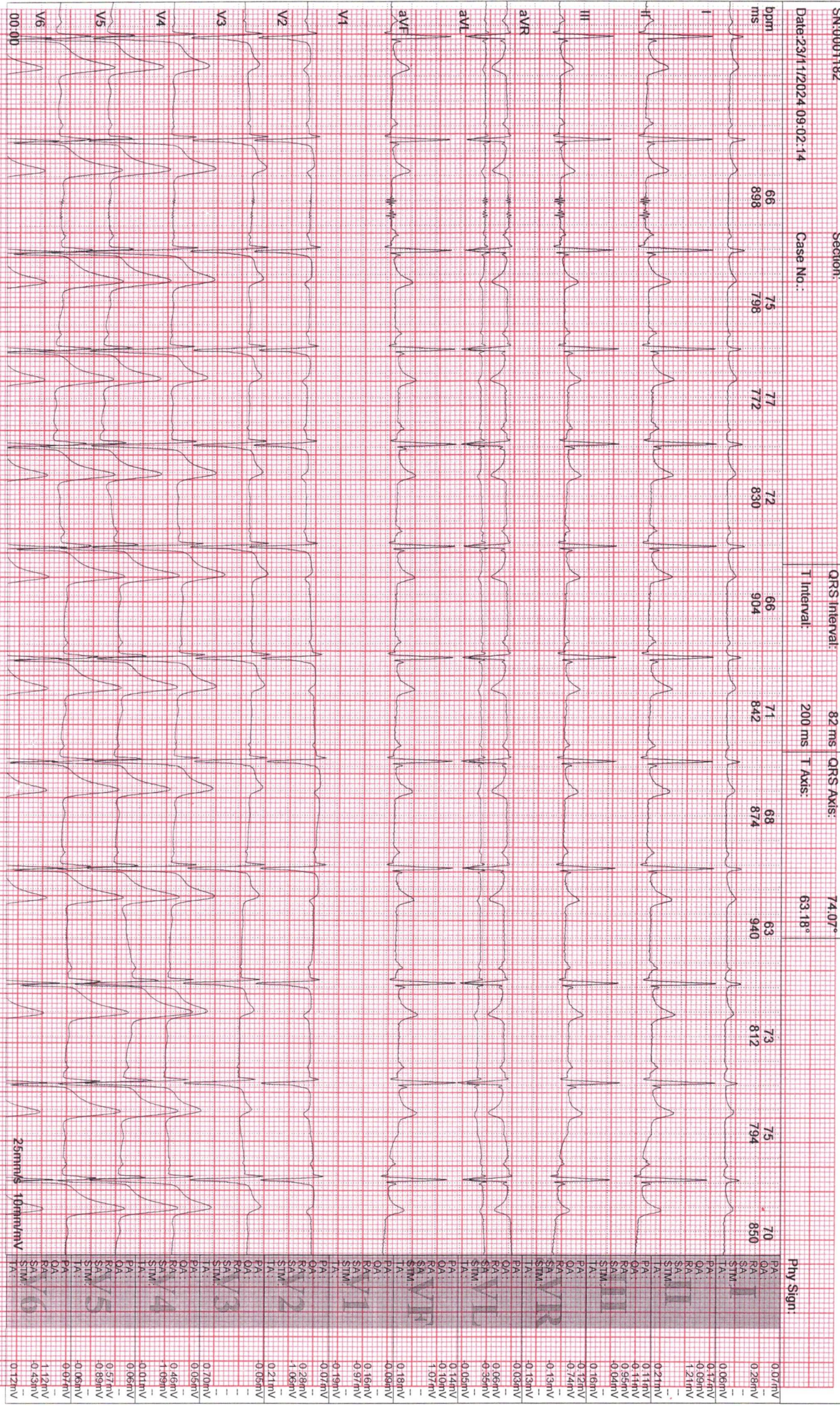
T Interval: 200 ms

Prompt: Total Beats 13, Normal Beats 13, SVE 0, VE 0.

Normal Heart Rate (HR between 60 and 100 bpm).

Normal cardiac electric axis (QRS axis between 30 degree and 90 degree).

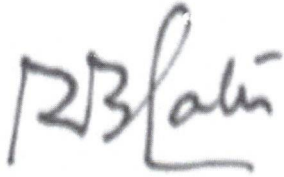
(Short PR, normal QRS, No preexcitation wave at the start of QRS complex).



<b>Patient Name</b>	<b>PRAJAPATI KIRAN</b>	<b>Patient ID</b>	<b>UHID28139</b>
<b>Age/Gender</b>	<b>22 Years / M</b>	<b>Study Date</b>	<b>23-Nov-2024</b>
<b>Referred By</b>		<b>Reported Date</b>	<b>23-Nov-2024</b>

**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. Ruchit Patel  
MD Radiology REG-11899

**Date Reported: 23-Nov-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


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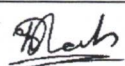
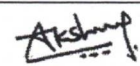
RBC Morphology	RBCs are Normochromic Normocytic.
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Parasites	Malarial parasite is not detected.

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Mean Blood Glucose <i>Calculated</i>	111.15	mg/dL	
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<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
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**THYROID FUNCTION TEST**

T3 (Triiodothyronine) CMIA	0.89	ng/mL	0.6 - 1.81
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T4 (Thyroxine) CMIA	5.89	µg/dL	4.5 - 12.5
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TSH ELFA-Enzyme Linked Fluorescent Assay	0.785	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

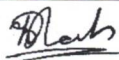
Reference : Carl A. Burtis, Edward R. Ashwood, David E. Bruns. Tietz Textbook of Clinical Chemistry and Molecular Diagnostics. 5th Edition.


Philadelphia: WB Saunders, 2012:2170

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

This is an electronically authenticated report.

**Approved by:**

  
**Dr. Yesha H. Shah**  
(MD.Pathology)

  
**Mr. Akshay Parmar**  
M.Sc(Biochemistry)

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DHS Properties and Hospitals LLP. | CIN : AAA-7816

**TEST REPORT**

**Reg. No :** 2411100372      **UHID :** UHID28139      **Reg. Date :** 23-Nov-2024  
**Name :** MR PRAJAPATI KIRAN      **Collected On :** 23-Nov-2024 08:42  
**Age/Sex:** 22 Years / Male      **Report Date :** 23-Nov-2024  
**Ref. By :** MEDIWHEEL

<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
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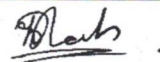
**LIPID PROFILE**

Cholesterol <i>CHOD-PAP method</i>	132	mg/dL	Desirable : < 200.0 Borderline High : 200-239 High : > 240.0
Triglyceride <i>Enzymatic with GPO method</i>	77.0	mg/dL	Normal : < 150.0 Borderline : 150-199 High : 200-499 Very High : > 500.0
VLDL <i>Calculated</i>	15.40	mg/dL	15 - 35
LDL CHOLESTEROL	83.50	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>	33.1	mg/dL	Low : < 40 High : > 60
Cholesterol /HDL Ratio <i>Calculated</i>	3.99		0 - 5.0
LDL / HDL RATIO <i>Calculated</i>	2.52		0 - 3.5
Total Lipids <i>Calculated</i>	<b>378.00</b>		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.

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

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(MD.Pathology)Mr. Akshay Parmar  
M.Sc(Biochemistry)

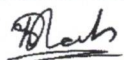
**TEST REPORT**

**Reg. No :** 2411100372      **UHID :** UHID28139      **Reg. Date :** 23-Nov-2024  
**Name :** MR PRAJAPATI KIRAN      **Collected On :** 23-Nov-2024 08:42  
**Age/Sex :** 22 Years / Male      **Report Date :** 23-Nov-2024  
**Ref. By :** MEDIWHEEL

Parameter	Result	Unit	Reference Interval
<b>RENAL FUNCTION TEST</b>			
Creatinine <i>Enzymatic ,IDMS Traceable</i>	0.80	mg/dL	0.7 - 1.3
Urea <i>Urease-GLDH, enzymatic UV</i>	25.3	mg/dL	19.0 - 45.0
BUN <i>Calculated</i>	11.82	mg/dL	7 - 18
Uric Acid <i>Enzymatic using TBHBA</i>	4.5	mg/dL	3.5 - 7.2
Sodium <i>Direct ISE</i>	138.3	mmol/L	137 - 145
Potassium <i>Direct ISE</i>	4.58	mmol/L	3.6 - 5.1
Chloride <i>Direct ISE</i>	95.3	mmol/L	94 - 110
Ionized Calcium <i>Direct ISE</i>	4.78	mg/dL	4.4 - 5.4

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

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(MD.Pathology)  
**Mr. Akshay Parmar**  
M.Sc(Biochemistry)



**TEST REPORT**

**Reg. No :** 2411100372      **UHID :** UHID28139      **Reg. Date :** 23-Nov-2024  
**Name :** MR PRAJAPATI KIRAN      **Collected On :** 23-Nov-2024 08:42  
**Age/Sex :** 22 Years / Male      **Report Date :** 23-Nov-2024  
**Ref. By :** MEDIWHEEL

Parameter	Result	Unit	Reference Interval
<b>LIVER FUNCTION TEST</b>			
SGPT <i>Optimized UV-IFCC</i>	13.1	U/L	1 - 45
SGOT <i>Optimized UV-IFCC</i>	20.9	U/L	1 - 35
Total Bilirubin <i>DCA method</i>	1.48	mg/dL	0 - 2.0
Direct Bilirubin <i>DCA method</i>	0.35	mg/dL	0.0 - 0.4
INDIRECT BILIRUBIN <i>Calculated</i>	1.13	mg/dL	0.0 - 1.6
Alkaline Phosphatase <i>PNP-AMP Buffer, Multiple-point rate</i>	59	U/L	53 - 128
Total Protein	7.16	g/dL	6.4 - 8.2
Albumin <i>By Bromocresol Green</i>	3.89	g/dL	3.5 - 5.2
Globulin <i>Calculated</i>	3.27	g/dL	2.3 - 3.5
A/G Ratio <i>Calculated</i>	1.19		0.8 - 2.0
GGT	47.1	U/L	1 - 55

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

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**Dr. Yesha H. Shah**  
(MD.Pathology)

  
**Mr. Akshay Parmar**  
M.Sc(Biochemistry)



Name: KIRAN PRAJAPATI

Sex: Male

Age: 22Y

Clinic No.:

Bed No.:

SN: 9004182

Section:

Date: 23/11/2024 09:02:14

Case No.:

Frequency: 1000 Hz

Sample Time: 13 s

HR: 71 bpm

P Interval: 86 ms

QRS Interval: 82 ms

T Interval: 200 ms

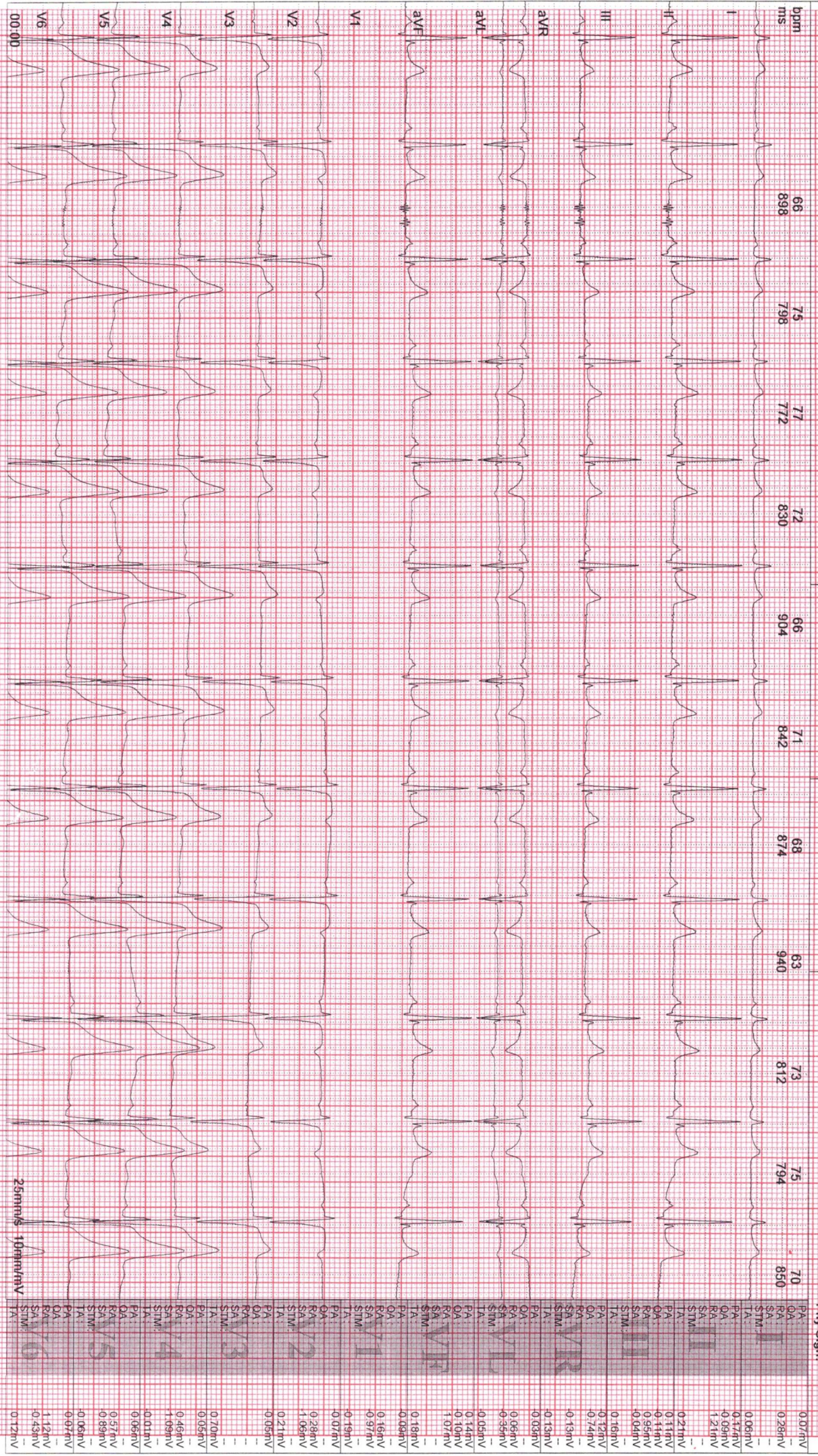
Prompt: Total Beats 13, Normal Beats 13, SVE 0, VE 0.

Normal Heart Rate (HR between 60 and 100 bpm);

Normal cardiac electric axis (QRS axis between 30 degree and 90 degree);

(Short PR, normal QRS, No preexcitation wave at the start of QRS complex);

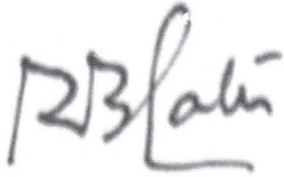
Phy Sign:



<b>Patient Name</b>	<b>PRAJAPATI KIRAN</b>	<b>Patient ID</b>	<b>UHID28139</b>
<b>Age/Gender</b>	<b>22 Years / M</b>	<b>Study Date</b>	<b>23-Nov-2024</b>
<b>Referred By</b>		<b>Reported Date</b>	<b>23-Nov-2024</b>

**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. Ruchit Patel  
MD Radiology REG-11899

**Date Reported: 23-Nov-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