



भारत सरकार  
Government of India



Issue Date: 19/12/2013



निशा कुमारी  
NISHA KUMARI  
जन्म तिथि/DOB: 10/05/1997  
महिला/ FEMALE



मेरा आधर कार्ड निशा कुमारी पहचान

12

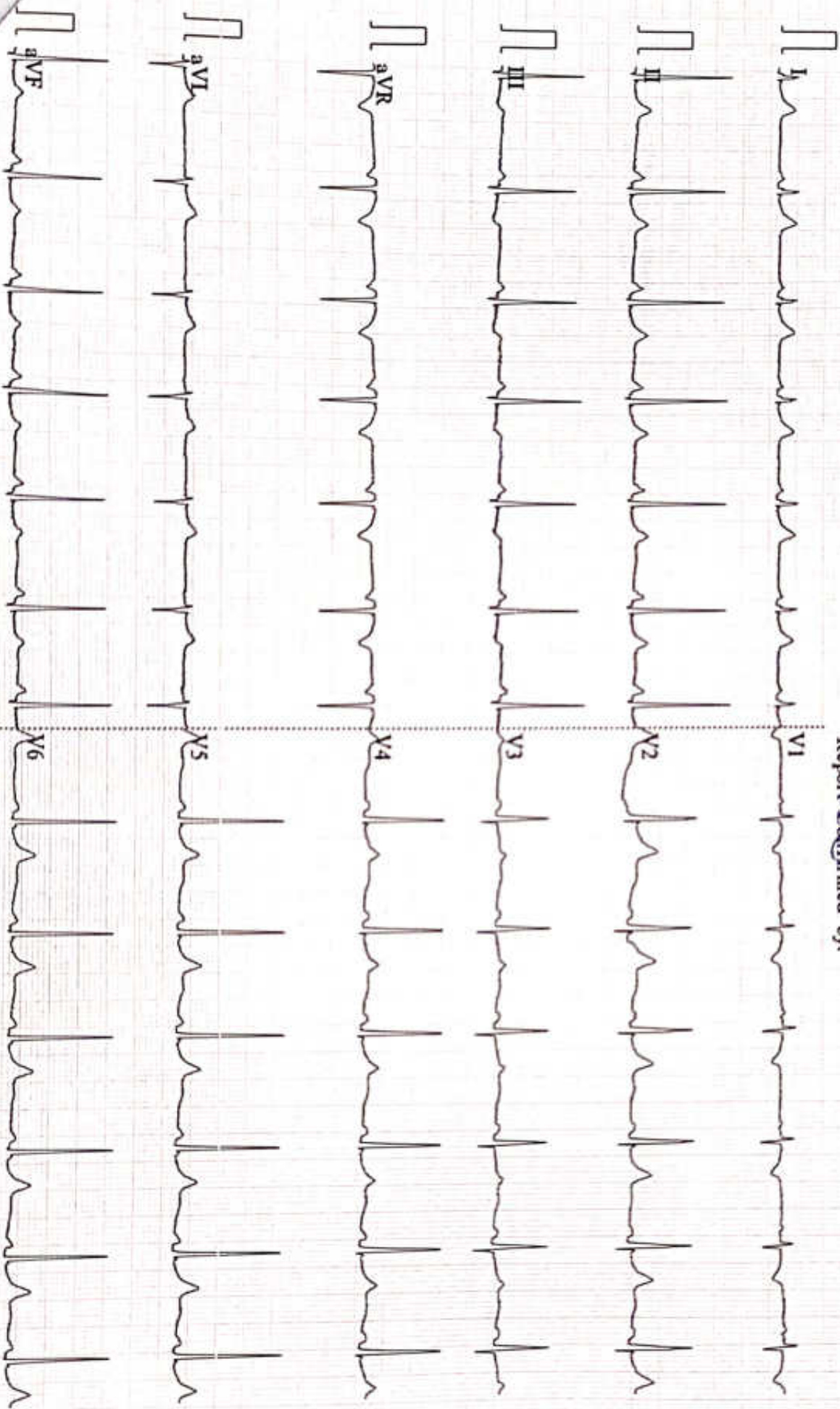
ID: 732  
NISHA KUMARI  
Female 27Years

18-08-2024 09:30:47 AM

Diagnosis Information:  
Sinus Arrhythmia

HR : 74 bpm  
P : 91 ms  
PR : 125 ms  
QRS : 74 ms  
QT/QTc : 358/398 ms  
P/QRS/T : 64/77/16 °  
RV5/SVI : 1.877/0.332 mV

DR. RAMAN  
Ref-Physician MD  
33940  
Report confirmed by:



67-100Hz AC50 25mm/s 10mm/mV 2\*5.0s V74 V2.2 SEMIP V1.81 DAIGNOSTIC

Patient Name	NISHA KUMARI	Date	18-08-2024
Age/Sex	27/F	Ref. Dr.	CORPORATE

## CHEST X-ray(PA)

### FINDINGS:

Normal bronchovascular markings in bilateral lung fields

Bilateral hila are normal.

Trachea appears normal.

Visualized bones are grossly normal.

Cardiac shadow is within normal limits

Bilateral costophrenic angles are clear.

### Impression :

- *No significant abnormality detected.*



*Dr. Sandip Maheshwari*

*MD Radio diagnosis*



## Report



(GEM212170906)(R)Kardic by Allengers

3041 / MRS.NISHA KUMARI / 27 Yrs / F / 152 Cms / 55 Kg Date: 18-Aug-2024 Technician : RESHMA ALI

Stage	Time	Duration	Belt Speed (mph)	Elevation	METs	Rate	% THR Achieved	BP	RPP	PVC	Comments
Supine	00:06	0:01	00.0	00.0	01.0	77	40 %	110/70	084	00	
Standing	00:12	0:01	00.0	00.0	01.0	81	42 %	110/70	089	00	
HV	00:17	0:01	00.0	00.0	01.0	077	40 %	110/70	084	00	
Warm Up	00:23	0:01	01.0	00.0	01.0	082	42 %	110/70	090	00	
ExStart	00:42	0:06	01.7	10.0	01.1	101	52 %	110/70	111	00	
BRUCE/ Stage 1	03:42	3:00	01.7	10.0	04.7	130	67 %	115/75	149	00	
BRUCE/ Stage 2	06:42	3:00	02.5	12.0	07.1	146	76 %	120/80	175	00	
PeakEx	06:42	3:00	02.5	12.0	07.1	146	76 %	120/80	175	00	
Recovery	07:41	1:00	01.1	00.0	01.2	126	65 %	115/75	144	00	
Recovery	08:41	2:00	01.1	00.0	01.0	119	62 %	110/70	130	00	
Recovery	08:45	2:03	01.1	00.0	01.0	118	61 %	110/70	129	00	

### Findings :

Exercise Time : 06:01  
Max HR Attained : 149 bpm 77% of Target 193  
Max BP Attained : (Sys) 120/80  
Max WorkLoad Attained : 7.1 Fair response to induced stress  
Max ST Dep Lead & Value : V3 & -1.8 mm in Stage 2 mm  
Test End Reasons : Test Complete

### Report :



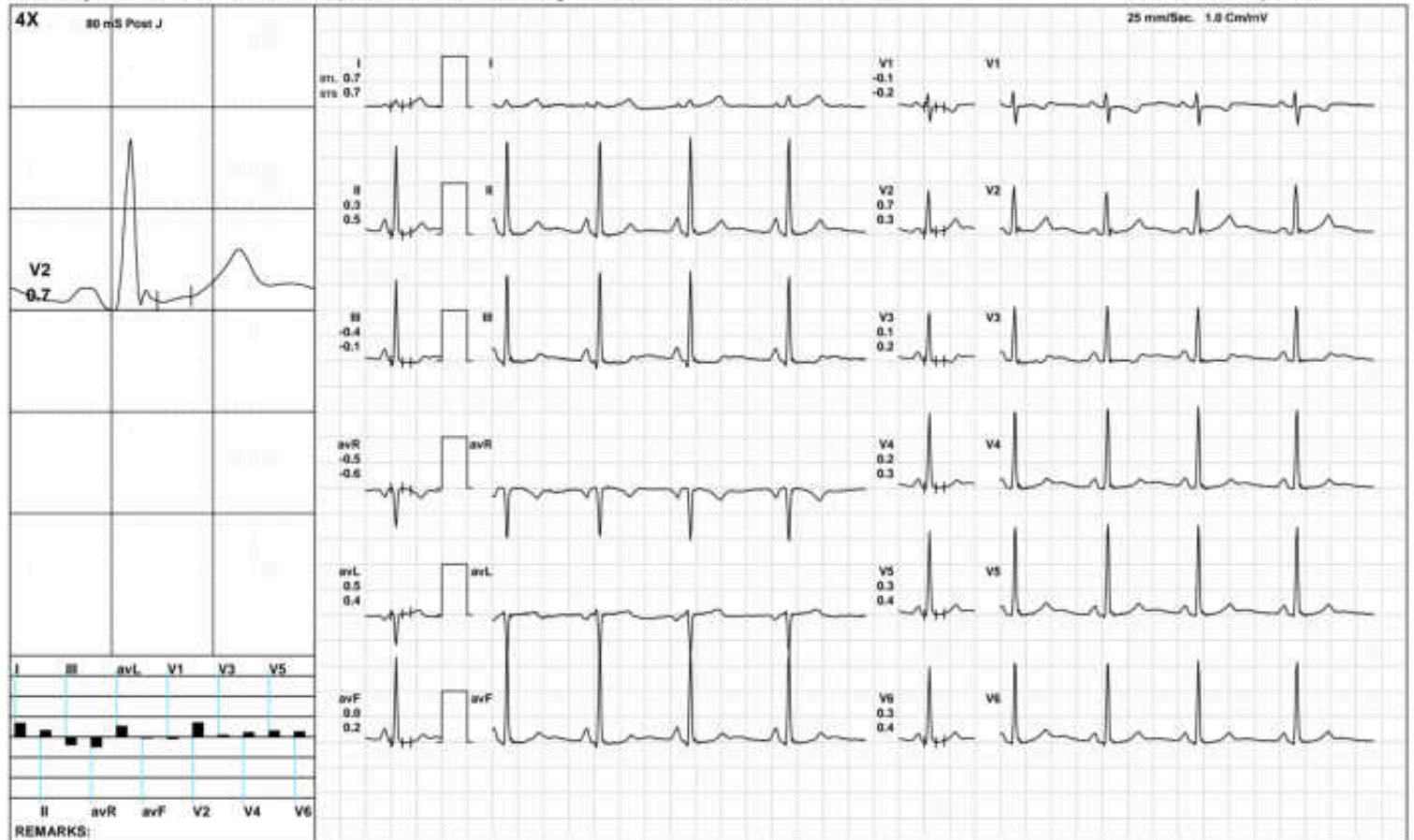
Supine



3041 / MRS. NISHA KUMARI / 27 Yrs / F / 152 Cms / 55 Kg / HR : 77

Date: 18-Aug-2024 11:01:41 AM METS: 1.0/ 77 bpm 39% of THR BP: 110/70 mmHg Raw ECG/ BLC On/ Notch On/ HP 0.05 Hz/LF 100 Hz

ExTime: 00:06 0.0 mph 0.0%



(GEM21217000)(R)Kardic by Allergers

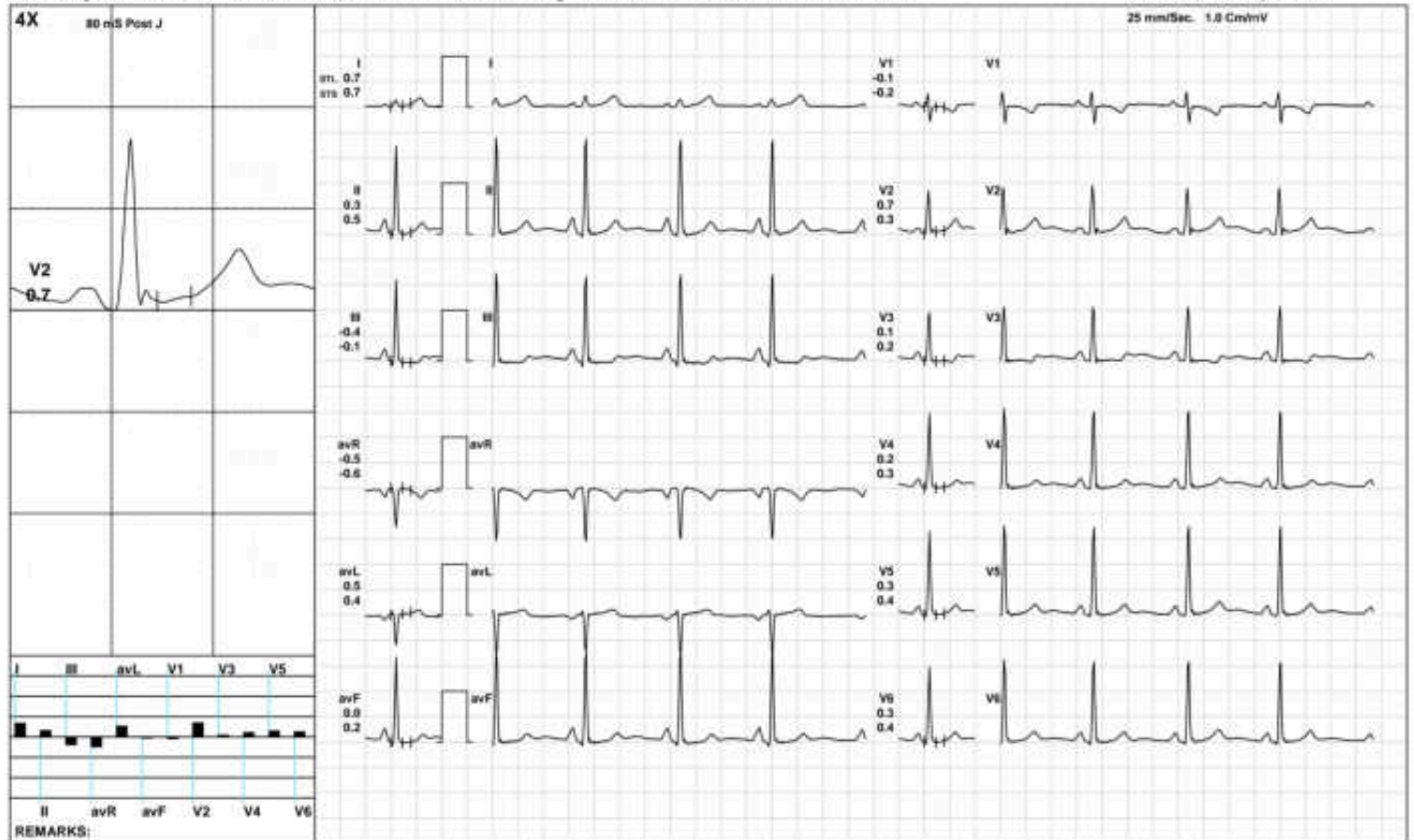
Standing



3041 / MRS. NISHA KUMARI / 27 Yrs / F / 152 Cms / 55 Kg / HR : 81

Date: 18-Aug-2024 11:01:41 AM METS: 1.0/ 81 bpm 41% of THR BP: 110/70 mmHg Raw ECG/ BLC On/ Notch On/ HP 0.05 Hz/ LF 100 Hz

ExTime: 00:12 0.0 mph 0.0%

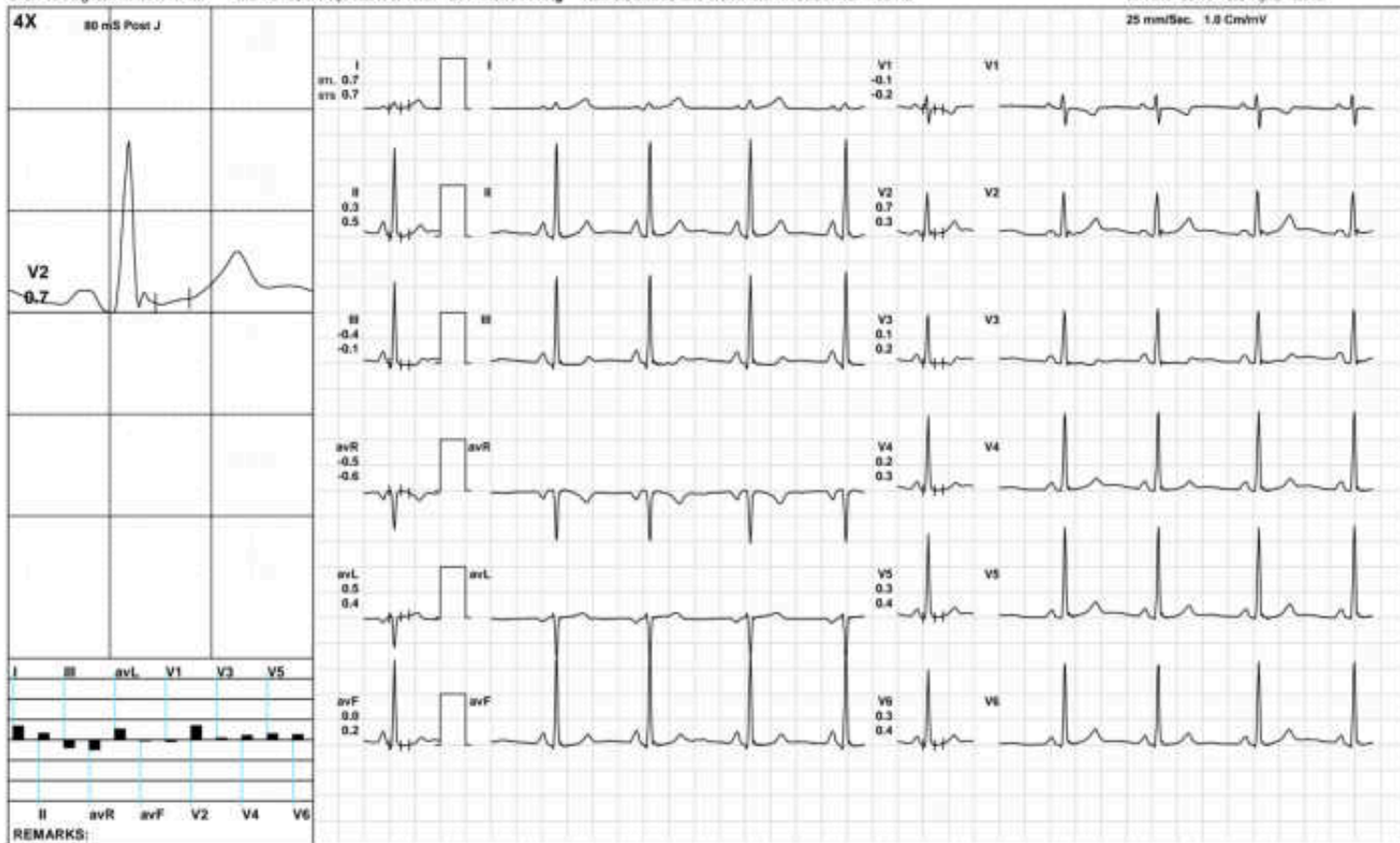


(GEM21217000)(R)Kardic by Allengers

3041 / MRS.NISHA KUMARI / 27 Yrs / F / 152 Cms / 55 Kg / HR : 77

Date: 18-Aug-2024 11:01:41 AM METS: 1.0/ 77 bpm 39% of THR BP: 110/70 mmHg Raw ECG/ BLC On/ Notch On/ HP 0.05 Hz/ LF 100 Hz

ExTime: 00:17 0.0 mph 0.0%



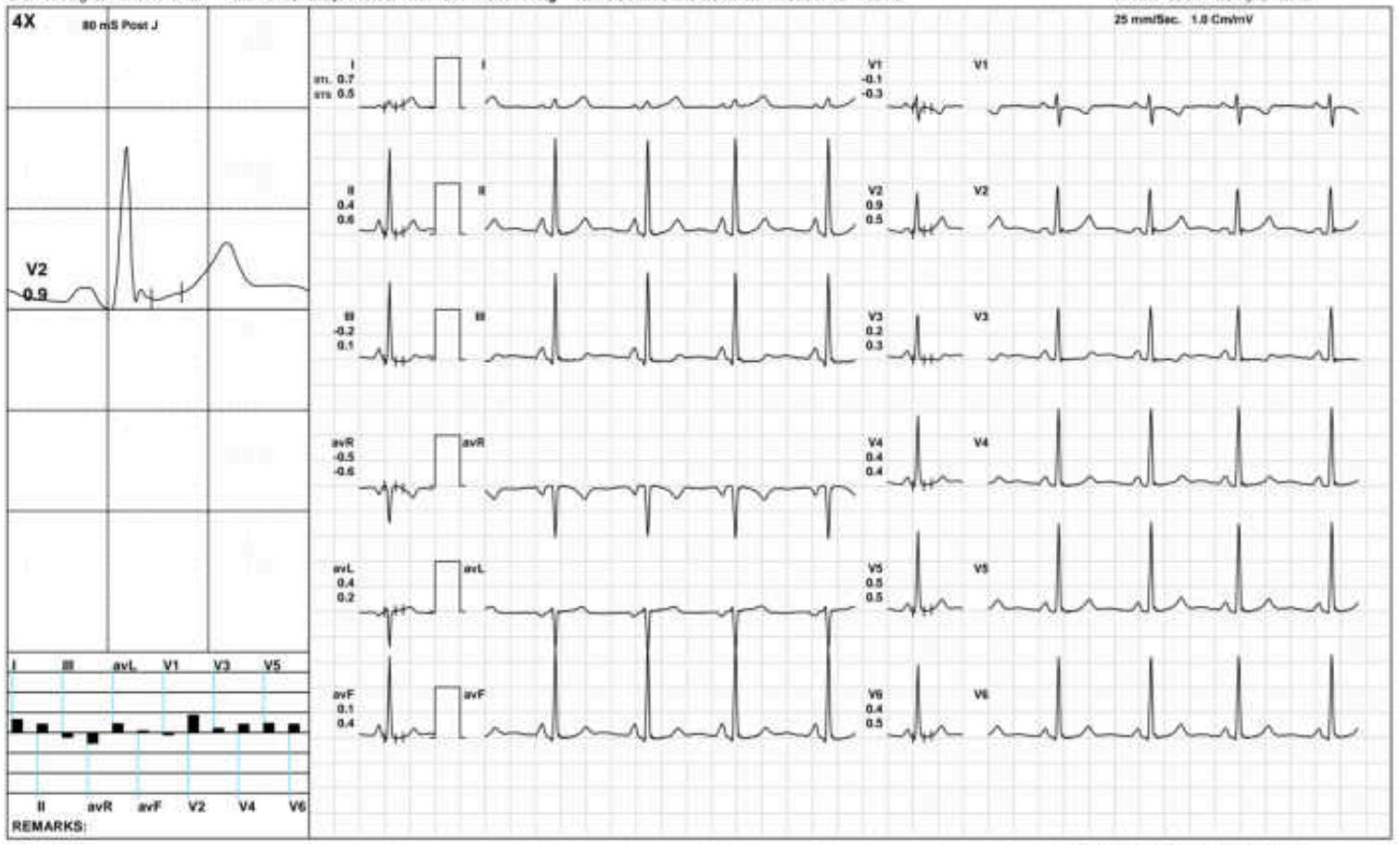
Warm Up



3041 / MRS. NISHA KUMARI / 27 Yrs / F / 152 Cms / 55 Kg / HR : 82

Date: 18-Aug-2024 11:01:41 AM METS: 1.0/ 82 bpm 42% of THR BP: 110/70 mmHg Raw ECG/ BLC On/ Notch On/ HP 0.05 Hz/ LF 100 Hz

ExTime: 00:23 1.0 mph 0.0%



(GEM21217000)(R)Kardic by Allergens



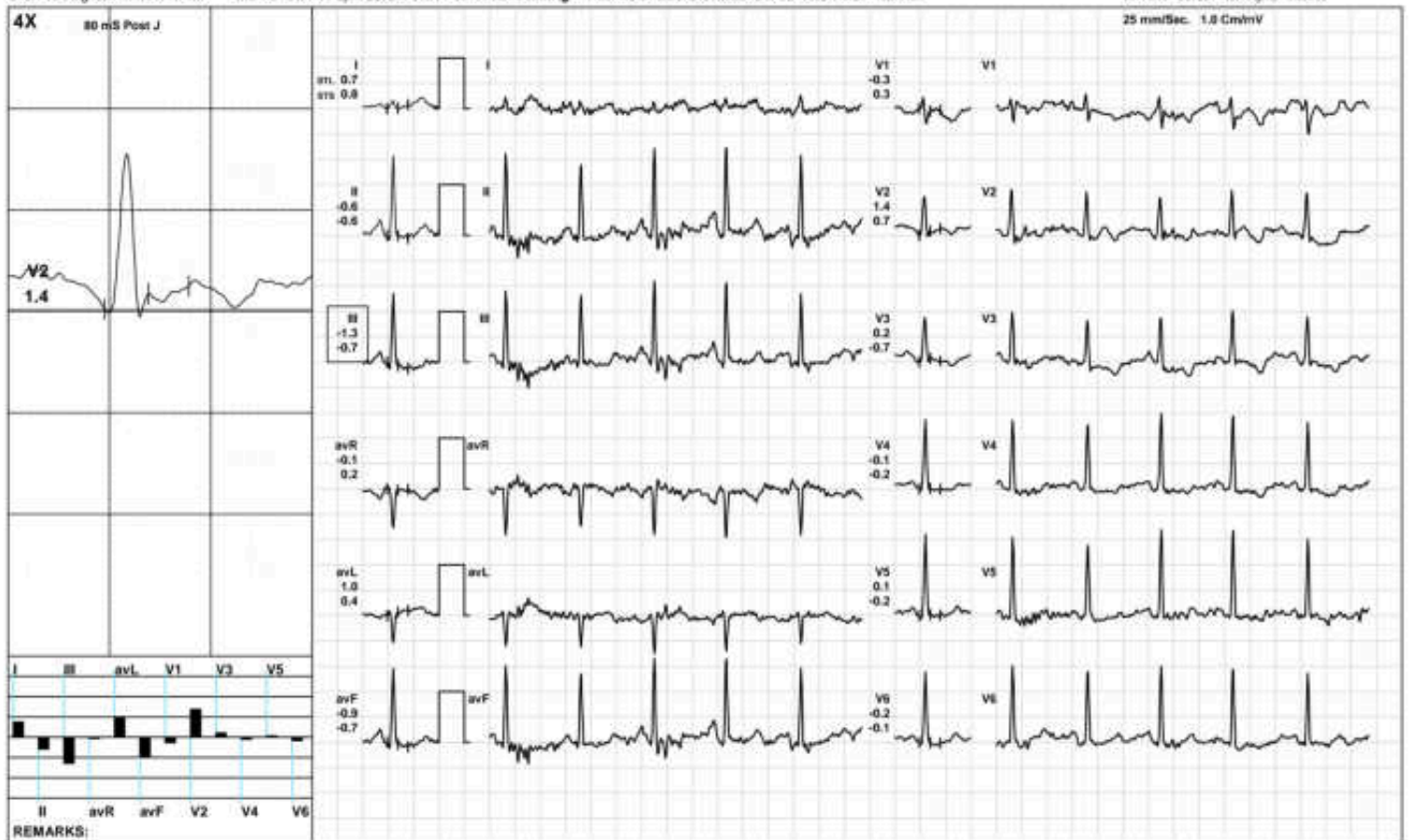
ExStart



3041 / MRS.NISHA KUMARI / 27 Yrs / F / 152 Cms / 55 Kg / HR : 101

Date: 18-Aug-2024 11:01:41 AM METS: 1.1/ 101 bpm 52% of THR BP: 110/70 mmHg Raw ECG/ BLC On/ Natch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:06 1.7 mph 10.0%



(GEM21217000)(R)Kardic by Allengers

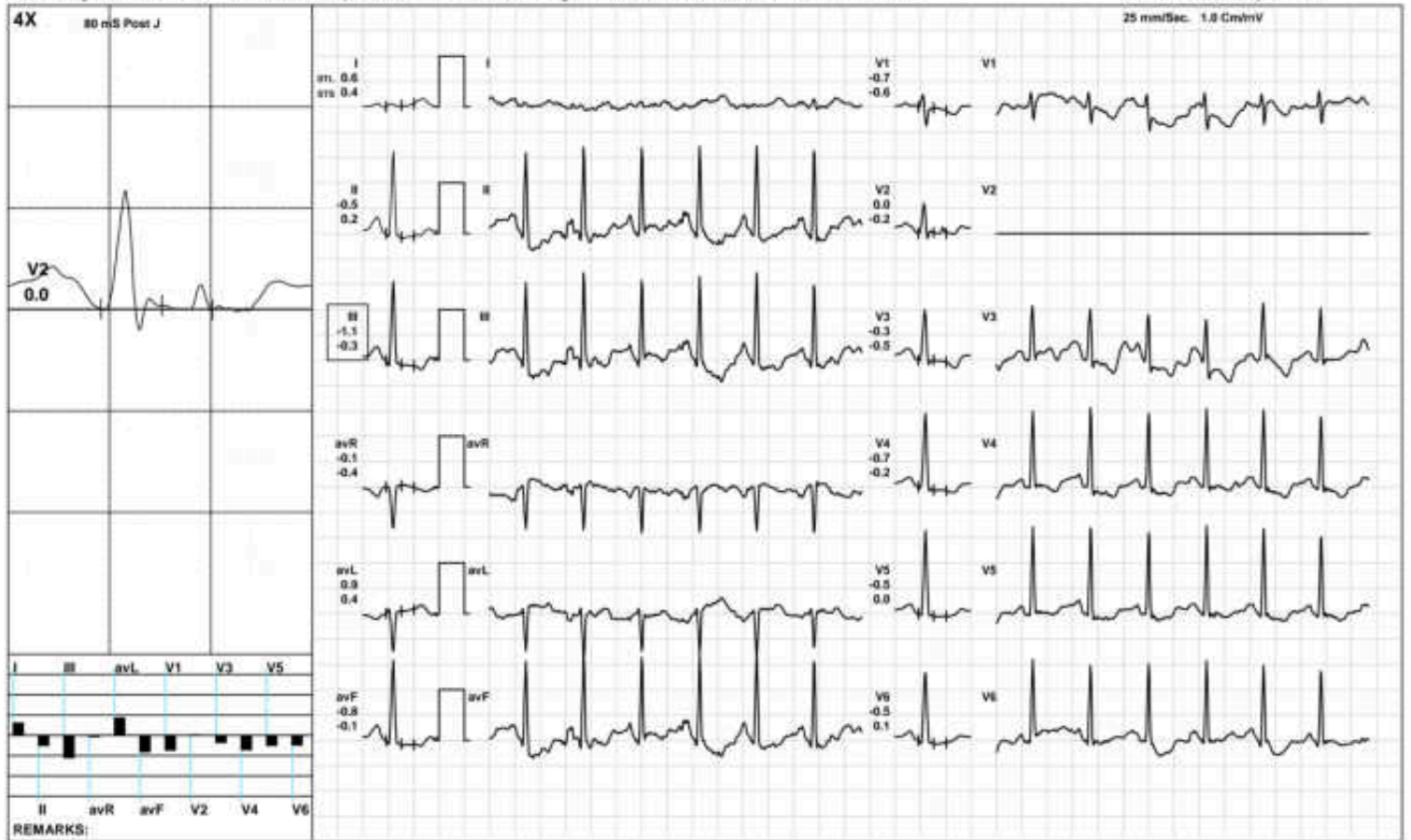
BRUCE/Stage 1(3:00)



3041 / MRS.NISHA KUMARI / 27 Yrs / F / 152 Cms / 55 Kg / HR : 130

Date: 18-Aug-2024 11:01:41 AM METS: 4.7/ 130 bpm 67% of THR BP: 115/75 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 03:00 1.7 mph 10.0%



(GEM21217000)(R)Kardic by Allergers

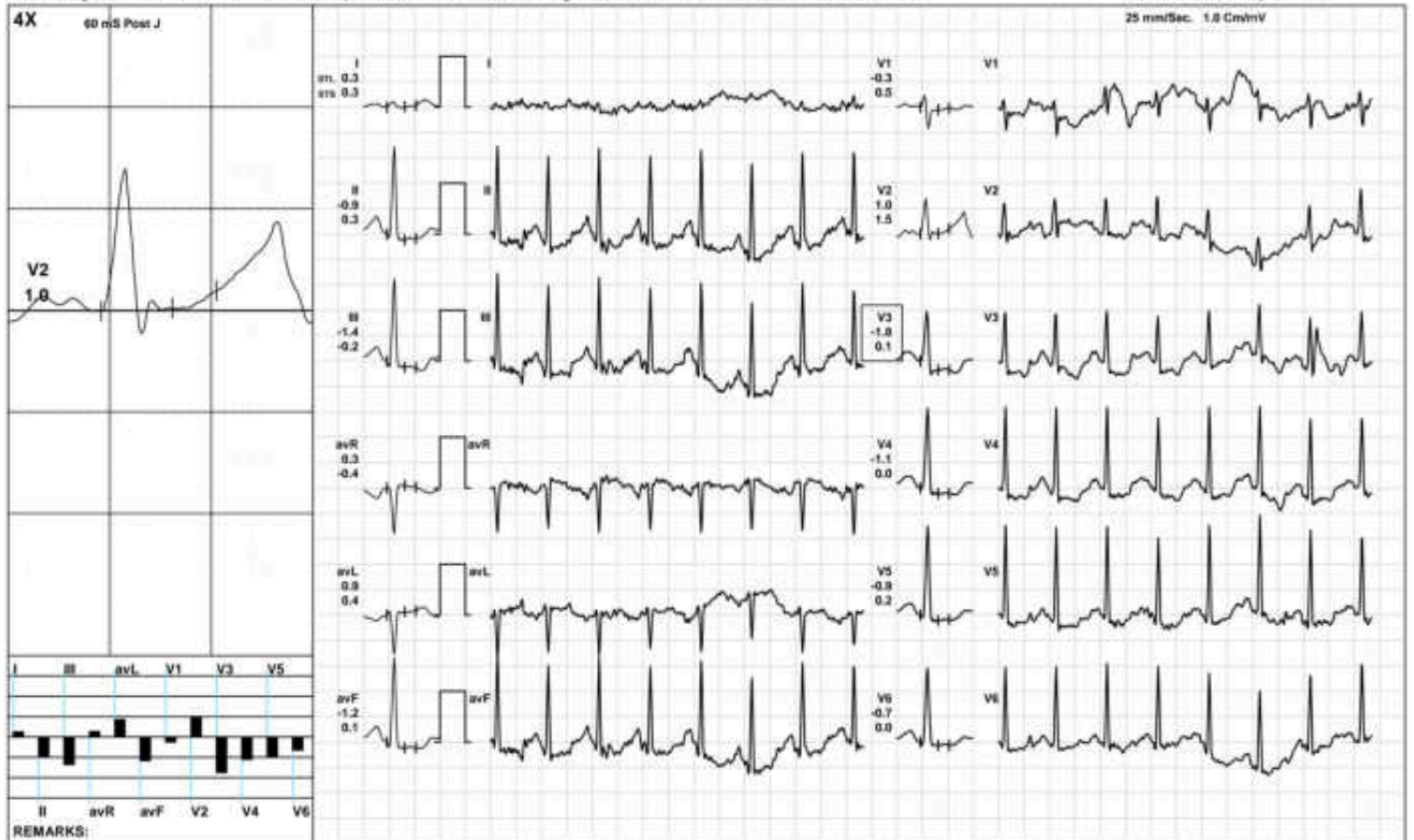
BRUCE/Stage 2(3:00)



3041 / MRS.NISHA KUMARI / 27 Yrs / F / 152 Cms / 55 Kg / HR : 146

Date: 18-Aug-2024 11:01:41 AM METS: 7.1/ 146 bpm 75% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:00 2.5 mph 12.0%



(GEM21217000)(R)Kardic by Allengers

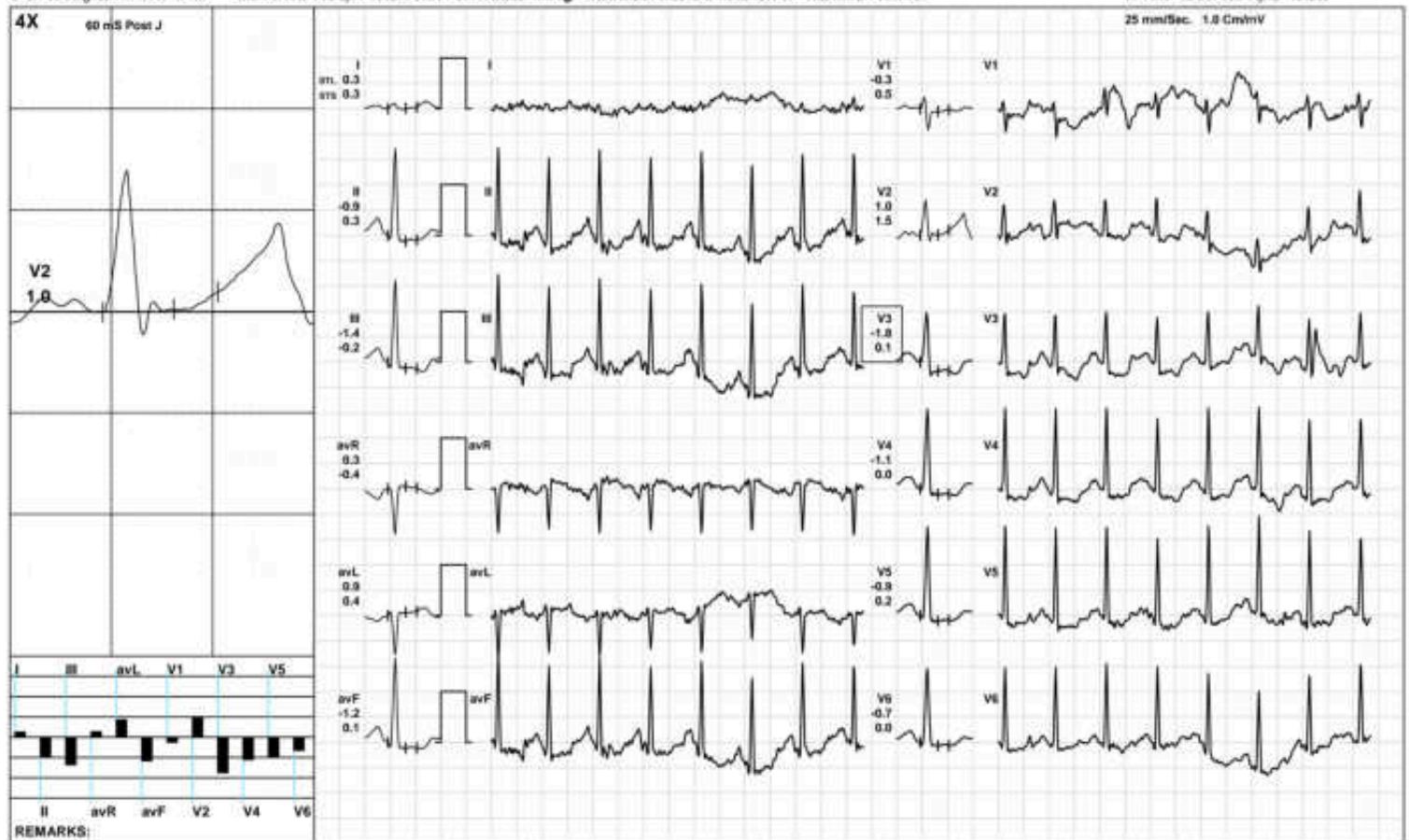
PeakEx



3041 / MRS. NISHA KUMARI / 27 Yrs / F / 152 Cms / 55 Kg / HR : 146

Date: 18-Aug-2024 11:01:41 AM METS: 7.1/ 146 bpm 75% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:00 2.5 mph 12.0%



(GEM21217000)(R)Kardic by Allergers

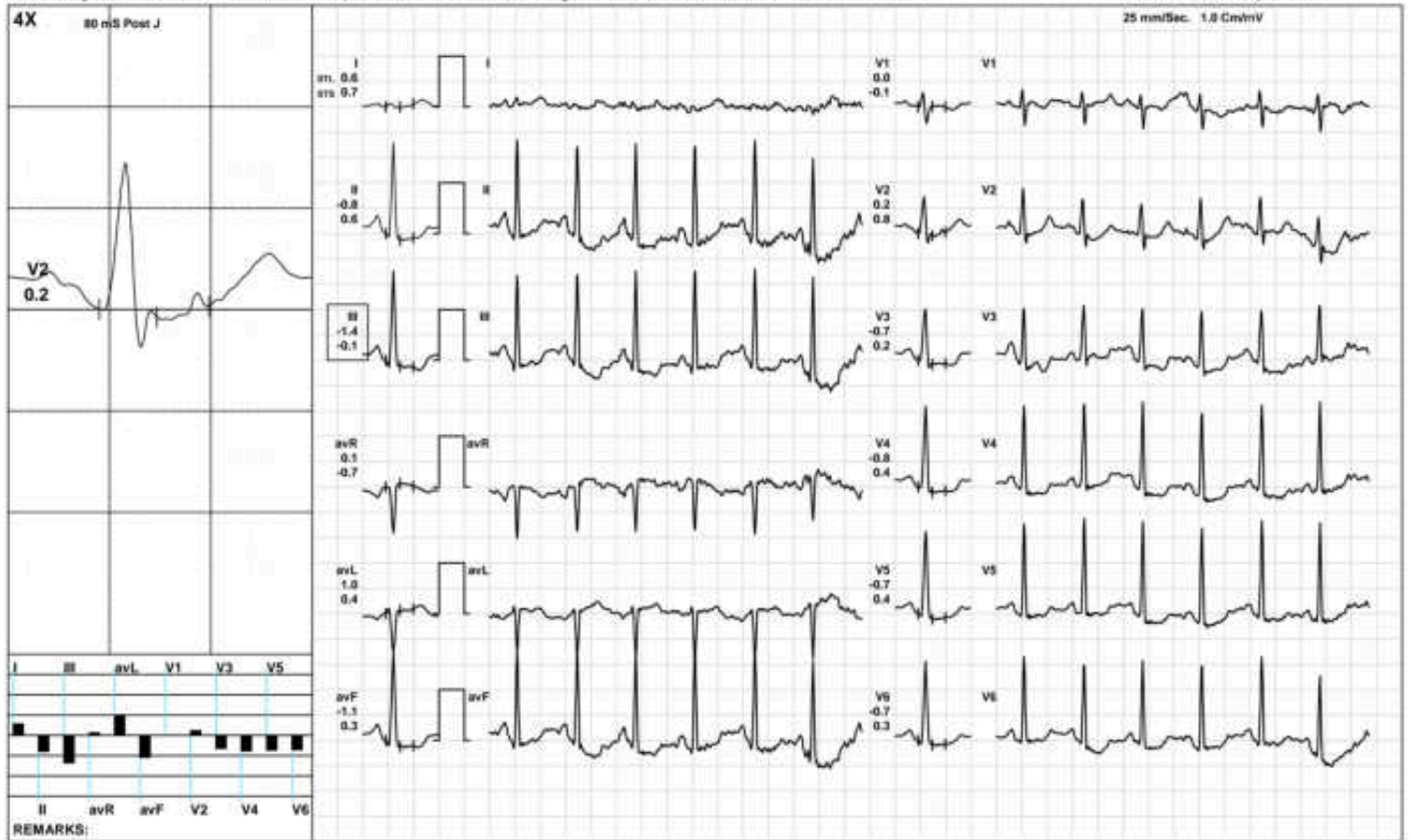
Recovery(1:00)



3041 / MRS.NISHA KUMARI / 27 Yrs / F / 152 Cms / 55 Kg / HR : 126

Date: 18-Aug-2024 11:01:41 AM METS: 1.2/ 126 bpm 65% of THR BP: 115/75 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:01 1.1 mph 0.0%



(GEM212170900)(R)Kardic by Allergens



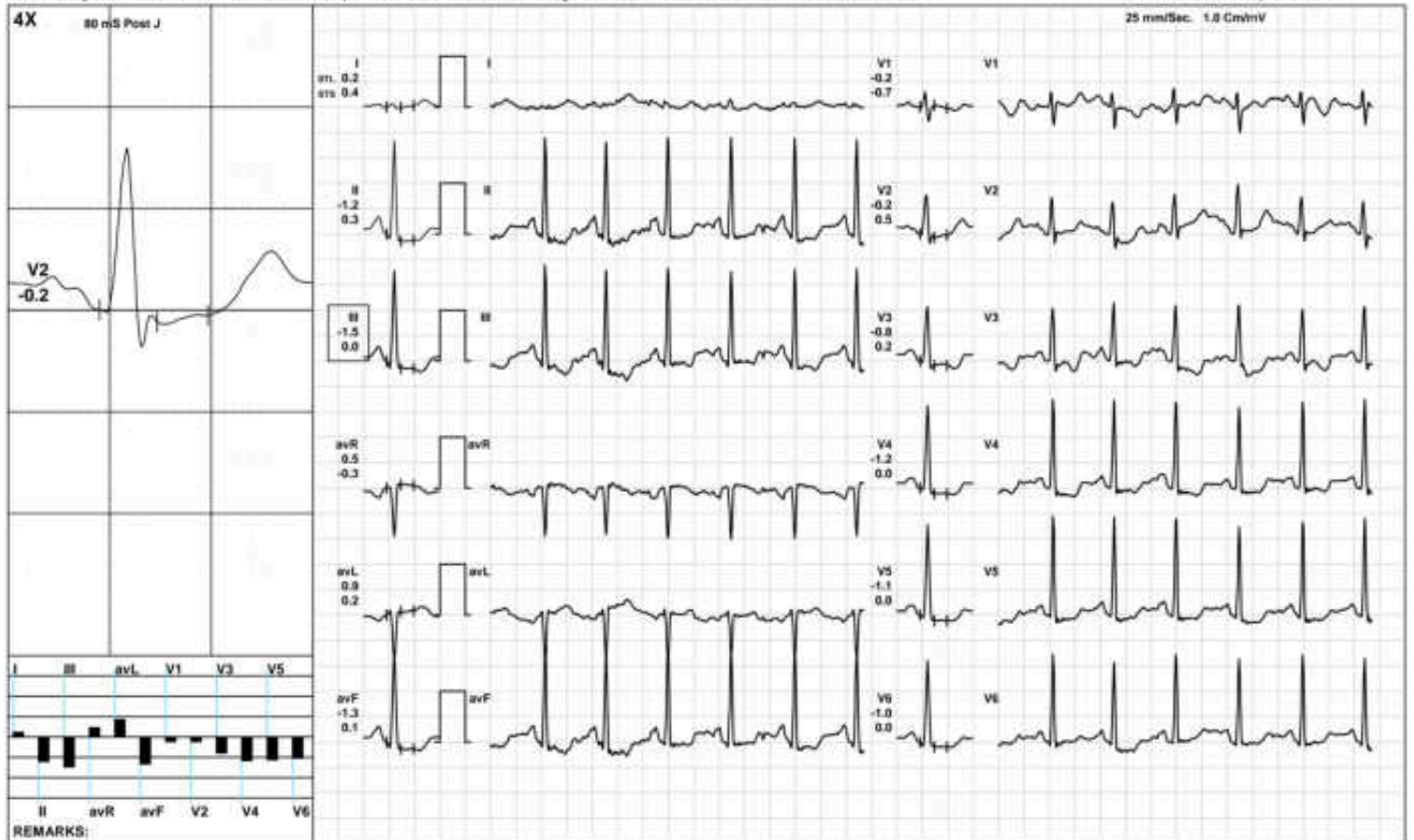
Recovery(2:00)



3041 / MRS.NISHA KUMARI / 27 Yrs / F / 152 Cms / 55 Kg / HR : 119

Date: 18-Aug-2024 11:01:41 AM METS: 1.0/ 119 bpm/ 61% of THR BP: 110/70 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:01 1.1 mph 0.0%



(GEM212170900)(R)Kardic by Allergers



ST Measurements



3041 / MRS.NISHA KUMARI / 27 Yrs / F / 152 Cms / 55 Kg / HR : 101

Date: 18-Aug-2024 11:01:41 AM

Protocol : BRUCE/

	I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6	I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6	STS(mv/sec)
STL(mm)Supine	0.7	0.3	-0.4	-0.5	0.5	0.0	-0.1	0.7	0.1	0.2	0.3	0.3	0.7	0.5	-0.1	-0.6	0.4	0.2	-0.2	0.3	0.2	0.3	0.4	0.4	
80 @mS Standing	0.7	0.3	-0.4	-0.5	0.5	0.0	-0.1	0.7	0.1	0.2	0.3	0.3	0.7	0.5	-0.1	-0.6	0.4	0.2	-0.2	0.3	0.2	0.3	0.4	0.4	
HV	0.7	0.3	-0.4	-0.5	0.5	0.0	-0.1	0.7	0.1	0.2	0.3	0.3	0.7	0.5	-0.1	-0.6	0.4	0.2	-0.2	0.3	0.2	0.3	0.4	0.4	
Warm Up	0.7	0.4	-0.2	-0.5	0.4	0.1	-0.1	0.9	0.2	0.4	0.5	0.4	0.5	0.6	0.1	-0.6	0.2	0.4	-0.3	0.5	0.3	0.4	0.5	0.5	
ExStart	0.7	-0.6	-1.3	-0.1	1.0	-0.9	-0.3	1.4	0.2	-0.1	0.1	-0.2	0.8	-0.6	-0.7	0.2	0.4	-0.7	0.3	0.7	-0.7	-0.2	-0.2	-0.1	
Stage 1	0.6	-0.5	-1.1	-0.1	0.9	-0.8	-0.7	0.0	-0.3	-0.7	-0.5	-0.5	0.4	0.2	-0.3	-0.4	0.4	-0.1	-0.6	-0.2	-0.5	-0.2	0.0	0.1	
Stage 2	0.3	-0.9	-1.4	0.3	0.9	-1.2	-0.3	1.0	-1.8	-1.1	-0.9	-0.7	0.3	0.3	-0.2	-0.4	0.4	0.1	0.5	1.5	0.1	0.0	0.2	0.0	
PeakEx	0.3	-0.9	-1.4	0.3	0.9	-1.2	-0.3	1.0	-1.8	-1.1	-0.9	-0.7	0.3	0.3	-0.2	-0.4	0.4	0.1	0.5	1.5	0.1	0.0	0.2	0.0	
Recovery	0.3	-1.2	-1.5	0.5	0.9	-1.4	0.1	-0.5	-0.9	-0.9	-1.0	-0.9	0.6	0.3	-0.3	-0.4	0.4	0.0	0.5	0.5	-0.3	0.0	-0.2	0.2	
Recovery	1.0	-0.8	-1.7	-0.1	1.3	-1.2	-0.3	0.5	-1.2	-1.0	-0.9	-0.7	0.8	0.7	-0.2	-0.8	0.5	0.2	-0.5	1.1	-0.1	0.1	0.2	0.4	
Recovery	0.2	-1.2	-1.5	0.5	0.9	-1.3	-0.2	-0.2	-0.8	-1.2	-1.1	-1.0	0.4	0.3	0.0	-0.3	0.2	0.1	-0.7	0.5	0.2	0.0	0.0	0.0	

	I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6	
STI(µVs)													
Supine		5.7	3.5	-2.3	-4.6	4.1	0.6	-1.8	7.3	-0.1	2.1	3.4	3.2
Standing		5.7	3.5	-2.3	-4.6	4.1	0.6	-1.8	7.3	-0.1	2.1	3.4	3.2
HV		5.7	3.5	-2.3	-4.6	4.1	0.6	-1.8	7.3	-0.1	2.1	3.4	3.2
Warm Up		7.4	5.8	-1.5	-6.5	4.4	2.1	-2.6	9.8	0.7	4.2	5.7	5.6
ExStart		4.6	-1.4	-8.4	-2.7	7.7	-4.9	-5.3	8.1	2.7	-1.3	0.1	-1.9
Stage 1		3.5	-5.0	-8.5	0.8	6.1	-6.8	-4.4	1.9	-2.0	-5.6	-4.1	-4.3
Stage 2		1.1	-5.5	-7.2	1.9	4.3	-6.4	-2.5	2.9	-10.1	-6.3	-5.8	-3.3
PeakEx		1.1	-5.5	-7.2	1.9	4.3	-6.4	-2.5	2.9	-10.1	-6.3	-5.8	-3.3
Recovery		0.4	-8.3	-8.9	3.8	4.8	-8.6	0.7	-4.0	-5.0	-6.2	-6.0	-5.5
Recovery		5.8	-6.6	-11.8	0.7	8.6	-9.3	-0.6	1.6	-8.5	-8.0	-6.9	-5.9
Recovery		1.1	-10.5	-11.7	4.7	6.4	-11.1	0.0	-2.7	-5.9	-8.8	-8.6	-7.7

### Median Measurement Summary



3041 / MRS.NISHA KUMARI / 27 Yrs / Female / 152 Cm / 55 Kg

Time (Min.)	HR (bpm)	PR Int (mS)	QRS Wid (mS)	QRS Axis (Deg.)	QTC (mS)	P(μV) (Max)	R(μV) (Max)	S(μV) (Min)	T(μV) (Max)	Min. J (μV)	Leads for (J & P.J)	Min. Post JRR Var (μV)	(%)	VEB (Counts)	Missed Beats (Counts)
00:30	99	196	146	83	514	352	1644	-797	338	-32	V1	-244	0.00	0	0
01:00	108	182	58	86	396	264	1633	-667	-230	-39	V2	-112	0.00	0	0
01:30	118	79	58	84	395	336	1620	-676	-234	-32	V2	-148	0.00	0	0
02:00	117	156	58	85	389	-1642	1591	-707	-1686	-155	V2	-106	0.00	0	0
02:30	122	150	46	86	383	311	1672	-728	-181	-57	II	-103	0.00	0	0
03:00	126	142	60	87	406	300	1673	-777	-237	-86	II	-126	0.00	0	0
03:30	133	134	66	88	386	329	1706	-813	-219	-74	II	-112	0.00	0	0
04:00	138	102	96	86	436	313	1702	-743	-427	-273	V3	-349	0.00	0	0
04:30	144	134	66	87	389	311	1682	-770	-242	-58	II	-136	0.00	0	0
05:00	149	122	58	174	444	-1752	1311	-1752	-1811	-1782	V4	-1766	0.00	0	0
05:30	152	398	82	89	753	1632	1703	-910	-294	-294	V3	-305	0.00	0	0
06:00	144	124	58	87	371	445	1714	-888	356	-188	V3	-209	0.00	0	0
06:30	142	130	66	92	420	332	1679	-778	416	-168	II	-186	0.00	0	0
07:00	143	126	66	91	380	366	1708	-856	-276	-176	II	-192	0.00	0	0
07:30	126	112	80	88	451	348	1630	-901	281	-142	II	-144	0.00	0	0
08:00	117	164	58	88	422	339	1666	-911	284	-98	V6	-139	0.00	0	0





ISO 9001 : 2015

**AAROGYAM DIAGNOSTICS**

(A UNIT OF CULPAM HEALTH CARE PVT.LTD.)

F-41, P.C. Colony, Opp. Madhuban Complex,  
Near Malahi Pakari Chowk, Kankarbagh, Patna-20  
9065875700  
info@aarogyamdiagnostics.com  
www.aarogyamdiagnostics.com

Name :- Nisha Kumari  
Refd by :- Dr. Corp

Age/Sex:-27Yrs/F  
Date:-18/08/2024

Thanks for referral.

**REPORT OF USG OF WHOLE ABDOMEN**

- Liver** :- Normal in size(12.8cm) with normal echotexture. No focal or diffuse lesion is seen. IHBR are not dilated. PV is normal in course and calibre with echofree lumen.
- G. Bladder** :- It is normal in shape, size & position. No e/o mass, calculus or sludge is seen.
- CBD** :- It is normal in calibre & is echofree.
- Pancreas** :- Normal in shape, size & echotexture. No evidence of parenchymal / ductal calcification is seen. No definite peripancreatic collection is seen.
- Spleen** :- Normal in size(7.0cm) with normal echotexture. No focal lesion is seen. No evidence of varices is noticed.
- Kidneys** :- Both kidneys are normal in shape, size & position. Sinus as well as cortical echoes are normal. No evidence of calculus, space occupying lesion or hydronephrosis is seen.  
Right Kidney measures 9.7cm and Left Kidney measures 9.5cm.
- Ureters** :- Ureters are not dilated.
- U. Bladder**:- It is echofree. No evidence of calculus, mass or diverticulum is seen.
- Uterus** :- Normal in size (7.1 cm x 3.2cm ) and anteverted in position with normal myometrial echotexture and endometrial thickness. ET- 8.2mm.
- Ovaries** :- Right ovary measures 3.4cm x 2.3cm and A small simple cyst of measuring size 1.4cm x 1.1cm.  
Left ovaries show normal echotexture and follicular pattern. Left ovary measure 2.5cm x 1.6cm.
- Others** :- No ascites or abdominal adenopathy is seen.  
No free subphrenic / basal pleural space collection is seen.

**IMPRESSION:-** *Right Ovarian Small Simple Cyst.  
Otherwise Normal Scan.*

*Dr. Arun Kumar*  
**MBBS, DMRD (Radio-Diagnosis)**  
**Consultant Radiologist**





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9264278360, 9065875700, 8789391403

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www.aarogyamdiagnostics.com

Date	18/08/2024	Srl No.	7	Patient Id	2408180007
Name	Mrs. NISHA KUMARI	Age	27 Yrs.	Sex	F
Ref. By	Dr.BOB				

Test Name	Value	Unit	Normal Value
BOB			
HB A1C	5.2	%	

### EXPECTED VALUES :-

Metabolically healthy patients	=	4.8 - 5.5 % HbA1C
Good Control	=	5.5 - 6.8 % HbA1C
Fair Control	=	6.8-8.2 % HbA1C
Poor Control	=	>8.2 % HbA1C

### REMARKS:-

In vitro quantitative determination of **HbA1C** in whole blood is utilized in long term monitoring of glycemia

The **HbA1C** level correlates with the mean glucose concentration prevailing in the course of the patient's recent history (approx - 6-8 weeks) and therefore provides much more reliable information for glycemia monitoring than do determinations of blood glucose or urinary glucose.

It is recommended that the determination of **HbA1C** be performed at intervals of 4-6 weeks during Diabetes Mellitus therapy.

Results of **HbA1C** should be assessed in conjunction with the patient's medical history, clinical examinations and other findings.

\*\*\*\* End Of Report \*\*\*\*

Dr.R.B.RAMAN  
MBBS, MD  
CONSULTANT PATHOLOGIST



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<b>Date</b>	<b>18/08/2024</b>	<b>Sri No. 7</b>	<b>Patient Id 2408180007</b>
<b>Name</b>	<b>Mrs. NISHA KUMARI</b>	<b>Age 27 Yrs.</b>	<b>Sex F</b>
<b>Ref. By Dr.BOB</b>			

Test Name	Value	Unit	Normal Value
COMPLETE BLOOD COUNT (CBC)			
HAEMOGLOBIN (Hb)	12.4	gm/dl	11.5 - 16.5
TOTAL LEUCOCYTE COUNT (TLC)	5,800	/cumm	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHIL	62	%	40 - 75
LYMPHOCYTE	33	%	20 - 45
EOSINOPHIL	01	%	01 - 06
MONOCYTE	04	%	02 - 10
BASOPHIL	00	%	0 - 0
ESR (WESTEGREN' s METHOD)	17	mm/1st hr.	0 - 20
R B C COUNT	4.65	Millions/cmm	3.8 - 4.8
P.C.V / HAEMATOCRIT	38.9	%	35 - 45
M C V	83.66	fl.	80 - 100
M C H	<b>26.67</b>	Picogram	27.0 - 31.0
M C H C	<b>31.9</b>	gm/dl	33 - 37
PLATELET COUNT	2.11	Lakh/cmm	1.50 - 4.00
BLOOD GROUP ABO	"O"		
RH TYPING	POSITIVE		
BLOOD SUGAR FASTING	84.6	mg/dl	70 - 110
SERUM CREATININE	0.77	mg%	0.5 - 1.3
BLOOD UREA	17.8	mg /dl	15.0 - 45.0
SERUM URIC ACID	3.61	mg%	2.5 - 6.0

**LIVER FUNCTION TEST (LFT)**



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www.aarogyamdiagnostics.com

<b>Date</b>	<b>18/08/2024</b>	<b>Sri No. 7</b>	<b>Patient Id 2408180007</b>
<b>Name</b>	<b>Mrs. NISHA KUMARI</b>	<b>Age 27 Yrs.</b>	<b>Sex F</b>
<b>Ref. By Dr.BOB</b>			

Test Name	Value	Unit	Normal Value
BILIRUBIN TOTAL	0.51	mg/dl	0 - 1.0
CONJUGATED (D. Bilirubin)	0.19	mg/dl	0.00 - 0.40
UNCONJUGATED (I.D.Bilirubin)	0.32	mg/dl	0.00 - 0.70
TOTAL PROTEIN	6.89	gm/dl	6.6 - 8.3
ALBUMIN	3.93	gm/dl	3.4 - 5.2
GLOBULIN	2.96	gm/dl	2.3 - 3.5
A/G RATIO	<b>1.328</b>		
SGOT	24.1	IU/L	5 - 35
SGPT	17.6	IU/L	5.0 - 45.0
ALKALINE PHOSPHATASE IFCC Method	73.1	U/L	35.0 - 104.0
GAMMA GT	21.8	IU/L	6.0 - 42.0

### LFT INTERPRET

### LIPID PROFILE

TRIGLYCERIDES	53.1	mg/dL	25.0 - 165.0
TOTAL CHOLESTEROL	137.7	mg/dL	29.0 - 199.0
H D L CHOLESTEROL DIRECT	<b>34.8</b>	mg/dL	35.1 - 88.0
V L D L	10.62	mg/dL	4.7 - 22.1
L D L CHOLESTEROL DIRECT	92.28	mg/dL	63.0 - 129.0
TOTAL CHOLESTEROL/HDL RATIO	3.957		0.0 - 4.97
LDL / HDL CHOLESTEROL RATIO	2.652		0.00 - 3.55
THYROID PROFILE			
QUANTITY	10	ml.	



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<b>Date</b>	<b>18/08/2024</b>	<b>Srl No. 7</b>	<b>Patient Id 2408180007</b>
<b>Name</b>	<b>Mrs. NISHA KUMARI</b>	<b>Age 27 Yrs.</b>	<b>Sex F</b>
<b>Ref. By Dr.BOB</b>			

Test Name	Value	Unit	Normal Value
COLOUR	PALE YELLOW		
TRANSPARENCY	CLEAR		
SPECIFIC GRAVITY	1.015		
PH	6.0		
ALBUMIN	NIL		
SUGAR	NIL		
<b>MICROSCOPIC EXAMINATION</b>			
PUS CELLS	1-2	/HPF	
RBC'S	NIL	/HPF	
CASTS	NIL		
CRYSTALS	NIL		
EPITHELIAL CELLS	2-3	/HPF	
BACTERIA	NIL		
OTHERS	NIL		

Assay performed on enhanced chemi lumenescence system ( Centaur-Siemens)

Serum T3,T4 & TSH measurements form the three components of Thyroid screening panel, useful in diagnosing various disorders of Thyroid gland function.

1. Primary hypothyroidism is accompanied by depressed serum T3 and T4 values and elevated serum TSH level.
2. Primary hyperthyroidism is accompanied by elevated serum T3 and T4 levels along with depressed TSH values.
3. Normal T4 levels are accompanied by increased T3 in patients with T3 thyrotoxicosis.



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<b>Date</b>	<b>18/08/2024</b>	<b>Srl No.</b>	<b>7</b>	<b>Patient Id</b>	<b>2408180007</b>
<b>Name</b>	<b>Mrs. NISHA KUMARI</b>	<b>Age</b>	<b>27 Yrs.</b>	<b>Sex</b>	<b>F</b>
<b>Ref. By</b>	<b>Dr.BOB</b>				

Test Name	Value	Unit	Normal Value
4. Slightly elevated T3 levels may be found in pregnancy and estrogen therapy, while depressed levels may be encountered in severe illness, renal failure and during therapy with drugs like propranolol and propyl thiouracil.			
5. Although elevated TSH levels are nearly always indicative of primary hypothyroidism, and may be seen in secondary thyrotoxicosis.			

\*\*\*\* End Of Report \*\*\*\*

**Dr.R.B.RAMAN**  
**MBBS, MD**  
**CONSULTANT PATHOLOGIST**





MC-2024

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Regd. Of- ce : 5th Floor, Doctor House, Nr. Parimal Garden, Ahmedabad-380006 Gujarat  
CIN: UB5195GJ2009PLC057059



40804100454

### TEST REPORT

<b>Reg.No</b> : 40804100454	<b>Reg.Date</b> : 19-Aug-2024 13:15	<b>Collection</b> : 19-Aug-2024 13:15
<b>Name</b> : NISHA KUMARI	<b>Sex</b> : Female	<b>Received</b> : 19-Aug-2024 13:15
<b>Age</b> : 27 Years	<b>Referred By</b> : AAROGYAM DIAGNOSTICS @ PATNA	<b>Report</b> : 19-Aug-2024 14:39
<b>Referral Dr</b> : □	<b>Status</b> : Final	<b>Dispatch</b> : 19-Aug-2024 15:00
		<b>Location</b> : 41 - PATNA

Test Name	Results	Units	Bio. Ref. Interval
<b>THYROID FUNCTION TEST</b>			
T3 (triiodothyronine), Total <small>C/MIA</small>	1.10	ng/mL	0.70 - 2.04
T4 (Thyroxine), Total <small>C/MIA</small>	6.60	µg/dL	5.5 - 11.0
TSH (Thyroid stimulating hormone) <small>C/MIA</small>	1.669	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

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

**Dr. Hiral Arora**

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