



भारत सरकार
GOVERNMENT OF INDIA



कुमारी निहा
Kumari Nihari

जन्म वर्ष / Year of Birth: 1991
लिंग / Gender: Female



3848 0737 6247

साक्षरता - आम आदमी का अधिकार



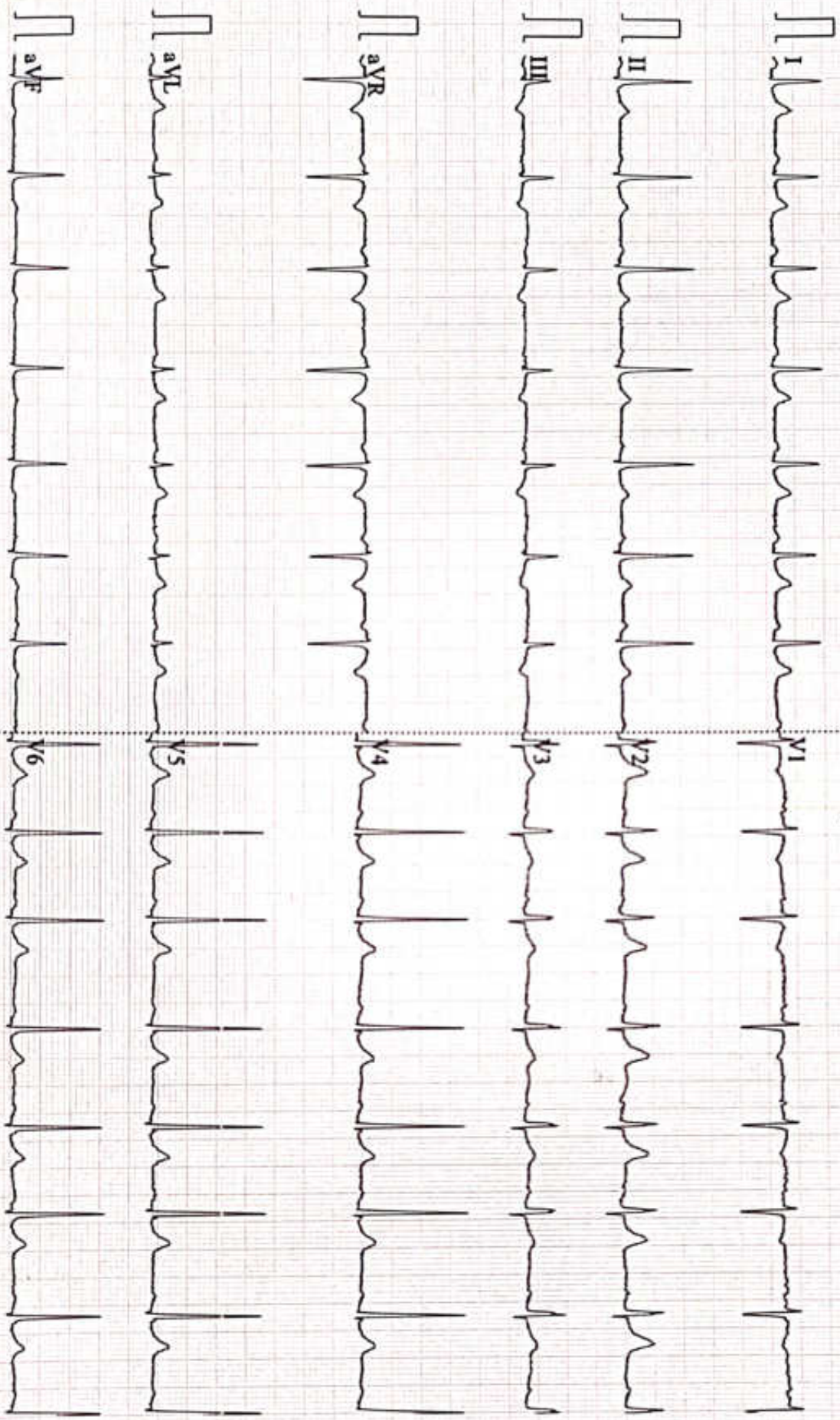
ID: 509
KUMARI NEHA
Female 33Years

27-07-2024 12:35:34 PM

Diagnosis Information:
Sinus Arrhythmia

HR : 86 bpm
P : 90 ms
PR : 137 ms
QRS : 72 ms
QT/QTc : 336/404 ms
P/QRS/T : 4/5/1/3
RV5/SV1 : 1.90/7.0.730 mV

Ref: PIPRA S. No. 0
Report Confirmed by:
Dr. PIPRA
2024.07.27



Patient Name	KUMARI NEHA	Date	27-07-2024
Age/Sex	33/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





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

9264278360, 9065875700, 8789391403

info@aarogyamdiagnostics.com

www.aarogyamdiagnostics.com

Date	27/07/2024	Srl No.	13	Patient Id	2407270013
Name	Mrs. KUMARI NEHA	Age	33 Yrs.	Sex	F
Ref. By	Dr.MEDIWHEEL				

Test Name	Value	Unit	Normal Value
BOB			
HB A1C	5.8	%	

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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Date 27/07/2024

Sri No. 13

Patient Id 2407270013

Name Mrs. KUMARI NEHA

Age 33 Yrs.

Sex F

Ref. By Dr.MEDIWHEEL

Test Name	Value	Unit	Normal Value
COMPLETE BLOOD COUNT (CBC)			
HAEMOGLOBIN (Hb)	10.2	gm/dl	11.5 - 16.5
TOTAL LEUCOCYTE COUNT (TLC)	6,700	/cumm	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHIL	64	%	40 - 75
LYMPHOCYTE	31	%	20 - 45
EOSINOPHIL	02	%	01 - 06
MONOCYTE	03	%	02 - 10
BASOPHIL	00	%	0 - 0
ESR (WESTEGREN' s METHOD)	18	mm/1st hr.	0 - 20
R B C COUNT	3.42	Millions/cmm	3.8 - 4.8
P.C.V / HAEMATOCRIT	30.6	%	35 - 45
M C V	89.47	fl.	80 - 100
M C H	29.82	Picogram	27.0 - 31.0
M C H C	33.3	gm/dl	33 - 37
PLATELET COUNT	1.98	Lakh/cmm	1.50 - 4.00
BLOOD GROUP ABO	"A"		
RH TYPING	POSITIVE		
BLOOD SUGAR FASTING	113.0	mg/dl	70 - 110
SERUM CREATININE	0.82	mg%	0.5 - 1.3
BLOOD UREA	18.1	mg /dl	15.0 - 45.0
SERUM URIC ACID	3.92	mg%	2.5 - 6.0
<u>LIVER FUNCTION TEST (LFT)</u>			



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Date	27/07/2024	Sri No. 13	Patient Id 2407270013
Name	Mrs. KUMARI NEHA	Age 33 Yrs.	Sex F
Ref. By Dr.MEDIWHEEL			

Test Name	Value	Unit	Normal Value
BILIRUBIN TOTAL	0.59	mg/dl	0 - 1.0
CONJUGATED (D. Bilirubin)	0.21	mg/dl	0.00 - 0.40
UNCONJUGATED (I.D.Bilirubin)	0.38	mg/dl	0.00 - 0.70
TOTAL PROTEIN	6.97	gm/dl	6.6 - 8.3
ALBUMIN	4.39	gm/dl	3.4 - 5.2
GLOBULIN	2.58	gm/dl	2.3 - 3.5
A/G RATIO	1.702		
SGOT	39.5	IU/L	5 - 35
SGPT	30.7	IU/L	5.0 - 45.0
ALKALINE PHOSPHATASE IFCC Method	83.6	U/L	35.0 - 104.0
GAMMA GT	22.5	IU/L	6.0 - 42.0

LFT INTERPRET

LIPID PROFILE

TRIGLYCERIDES	121.8	mg/dL	25.0 - 165.0
TOTAL CHOLESTEROL	161.7	mg/dL	29.0 - 199.0
H D L CHOLESTEROL DIRECT	43.4	mg/dL	35.1 - 88.0
V L D L	24.36	mg/dL	4.7 - 22.1
L D L CHOLESTEROL DIRECT	93.94	mg/dL	63.0 - 129.0
TOTAL CHOLESTEROL/HDL RATIO	3.726		0.0 - 4.97
LDL / HDL CHOLESTEROL RATIO	2.165		0.00 - 3.55
THYROID PROFILE			
QUANTITY	20	ml.	



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Date	27/07/2024	Sri No. 13	Patient Id 2407270013
Name	Mrs. KUMARI NEHA	Age 33 Yrs.	Sex F
Ref. By Dr.MEDIWHEEL			

Test Name	Value	Unit	Normal Value
COLOUR	PALE YELLOW		
TRANSPARENCY	CLEAR		
SPECIFIC GRAVITY	1.025		
PH	6.0		
ALBUMIN	NIL		
SUGAR	NIL		
MICROSCOPIC EXAMINATION			
PUS CELLS	1-2	/HPF	
RBC'S	NIL	/HPF	
CASTS	NIL		
CRYSTALS	NIL		
EPITHELIAL CELLS	1-3	/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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Date 27/07/2024

Sri No. 13

Patient Id 2407270013

Name Mrs. KUMARI NEHA

Age 33 Yrs.

Sex F

Ref. By Dr.MEDIWHEEL

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

AAROGYAM DC, PATNA

Report



(GEM212170906)(R)Kardic by Allengers

2992 / KUMARI NEHA / 33 Yrs / F / 152 Cms / 79 Kg Date: 27-Jul-2024 Technician : RESHMA ALI

Stage	Time	Duration	Belt Speed (mph)	Elevation	METs	Rate	% THR Achieved	BP	RPP	PVC	Comments
Supine	00:55	0:01	00.0	00.0	01.0	93	50 %	120/80	111	00	
Standing	01:04	0:01	00.0	00.0	01.0	93	50 %	120/80	111	00	
HV	01:15	0:01	00.0	00.0	01.0	096	51 %	120/80	115	00	
Warm Up	01:27	0:01	01.0	00.0	01.0	096	51 %	120/80	115	00	
ExStart	01:52	0:06	01.7	10.0	01.1	118	63 %	120/80	141	00	
BRUCE/ Stage 1	04:52	3:00	01.7	10.0	04.7	149	80 %	125/85	186	00	
BRUCE/ Stage 2	07:52	3:00	02.5	12.0	07.1	169	90 %	130/90	219	00	
PeakEx	07:52	3:00	02.5	12.0	07.1	169	90 %	130/90	219	00	
Recovery	08:51	1:00	01.1	00.0	01.2	152	81 %	125/85	190	00	
Recovery	09:51	2:00	01.1	00.0	01.0	139	74 %	120/80	166	00	

Findings :

Exercise Time : 06:01
Max HR Attained : 191 bpm 102% of Target 187
Max BP Attained : (Sys) 130/90
Max WorkLoad Attained : 7.1 Fair response to induced stress
Max ST Dep Lead & Value : III & -1.9 mm in Supine mm
Test End Reasons : Test Complete

Report :

AAROGYAM DC, PATNA

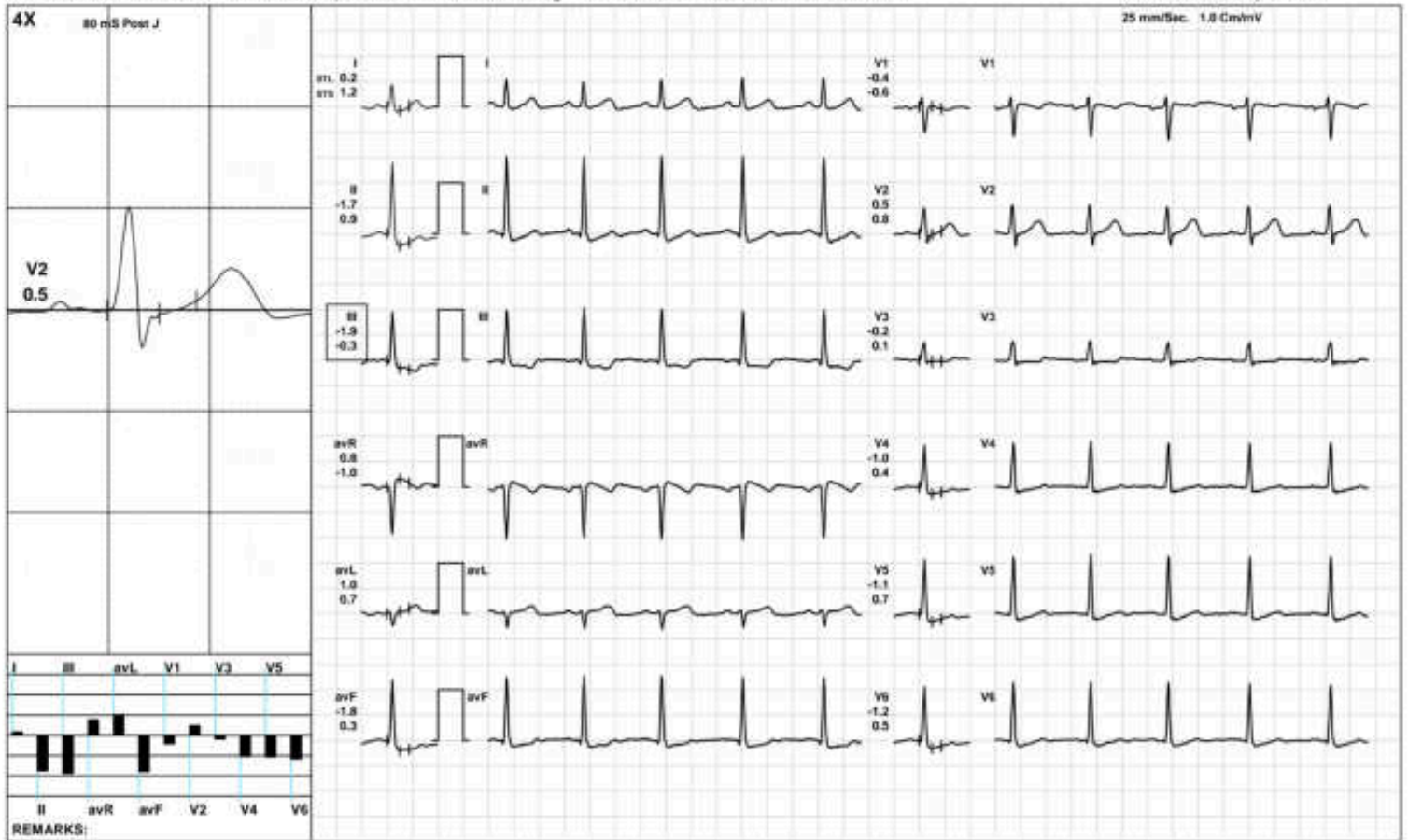
2992 / KUMARI NEHA / 33 Yrs / F / 152 Cms / 79 Kg / HR : 93

Supine



Date: 27-Jul-2024 01:47:49 PM METS: 1.0/ 93 bpm 49% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 00:55 0.0 mph 0.0%



(GEM212170906)(R)Kardic by Allengers

AAROGYAM DC, PATNA

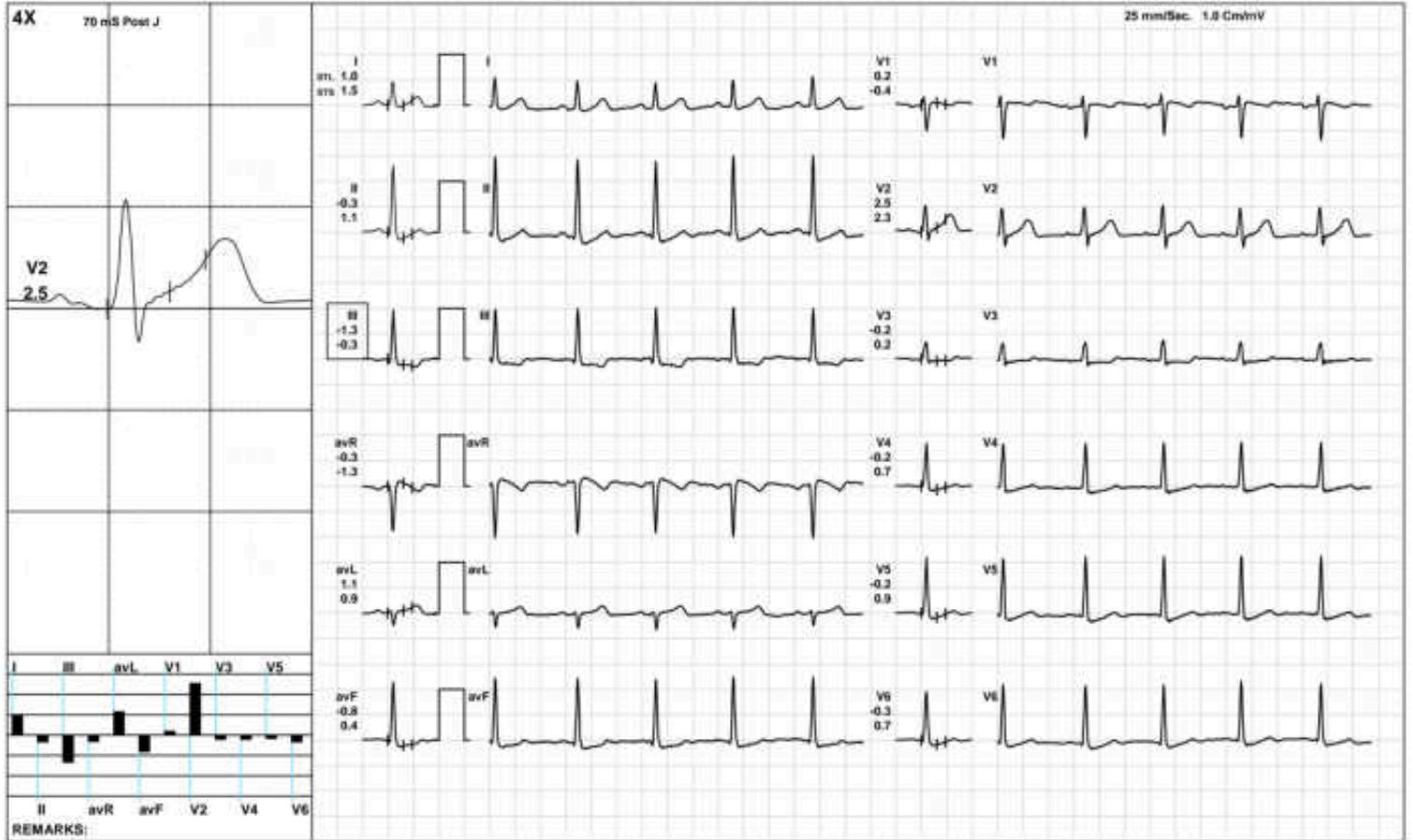
Standing



2992 / KUMARI NEHA / 33 Yrs / F / 152 Cms / 79 Kg / HR : 93

Date: 27-Jul-2024 01:47:49 PM METS: 1.0/ 93 bpm 49% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 01:04 0.0 mph 0.0%



(GEM212170906)(R)Kardic by Allengers

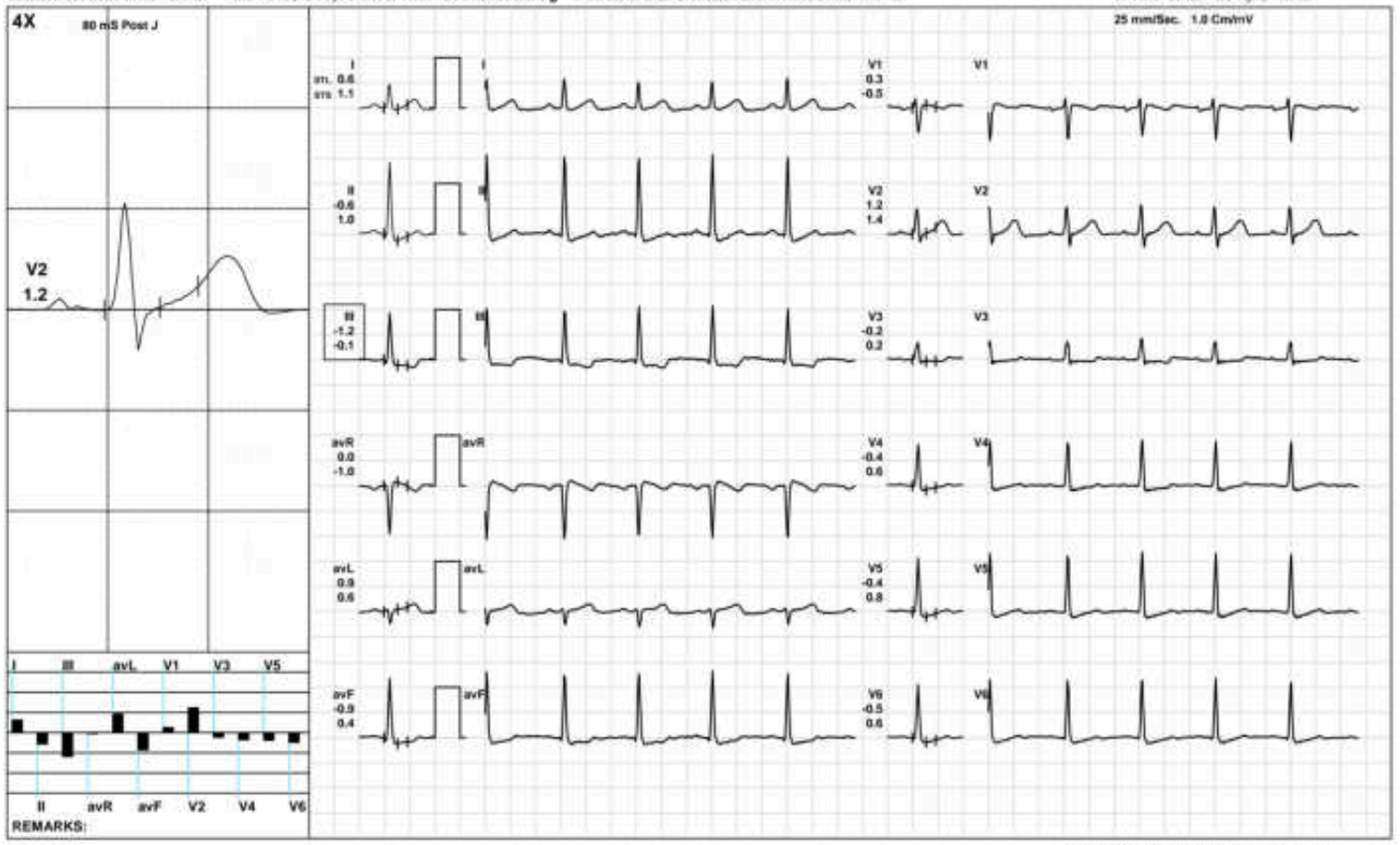
AAROGYAM DC, PATNA

Warm Up

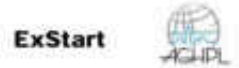


2992 / KUMARI NEHA / 33 Yrs / F / 152 Cms / 79 Kg / HR : 96

Date: 27-Jul-2024 01:47:49 PM METS: 1.0/ 96 bpm 51% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz ExTime: 01:27 1.0 mph 0.0%

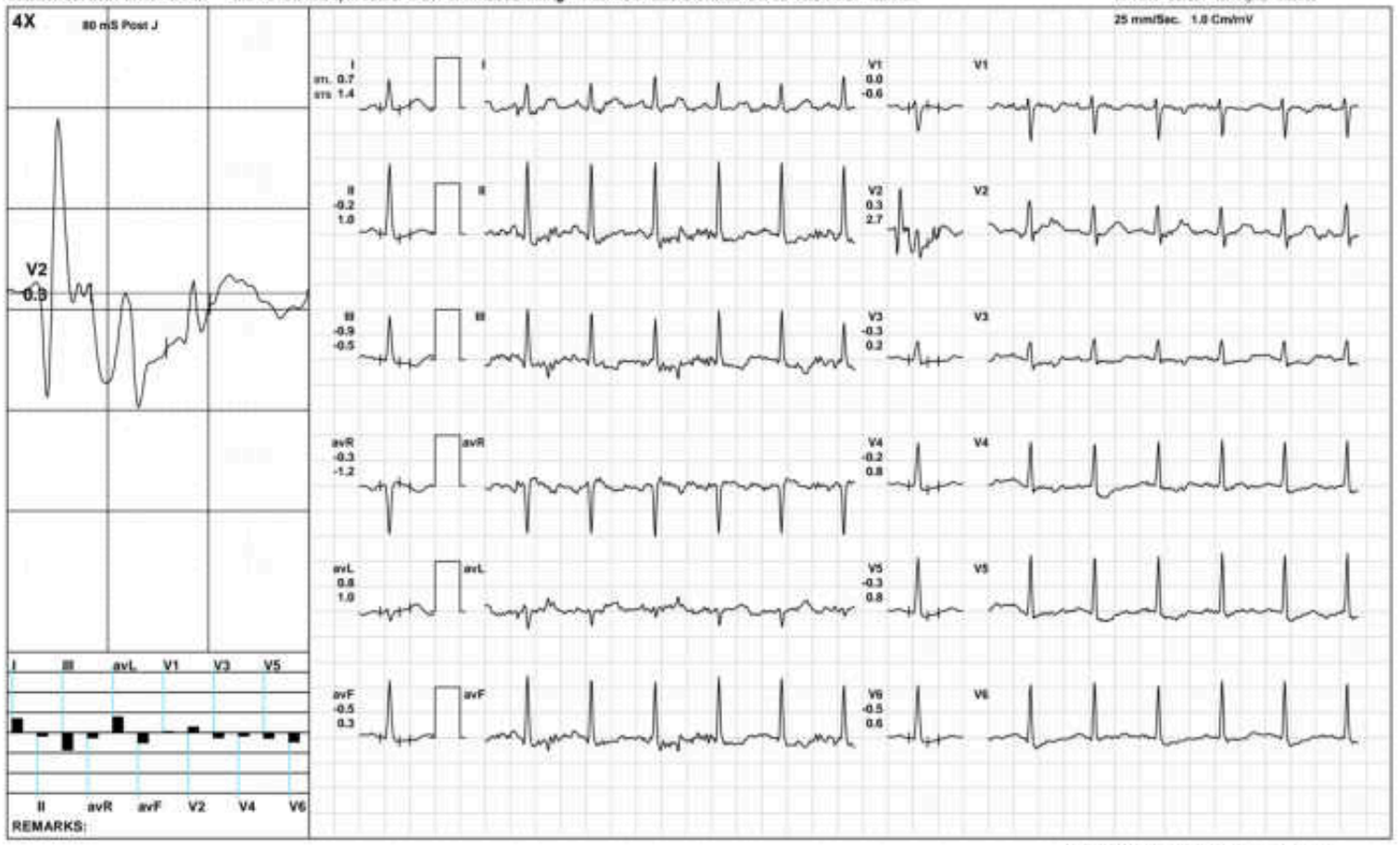


AAROGYAM DC, PATNA



2992 / KUMARI NEHA / 33 Yrs / F / 152 Cms / 79 Kg / HR : 118

Date: 27-Jul-2024 01:47:49 PM METS: 1.1/ 118 bpm/ 63% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Natch On/ HF 0.05 Hz/LF 100 Hz ExTime: 00:06 1.7 mph 10.0%



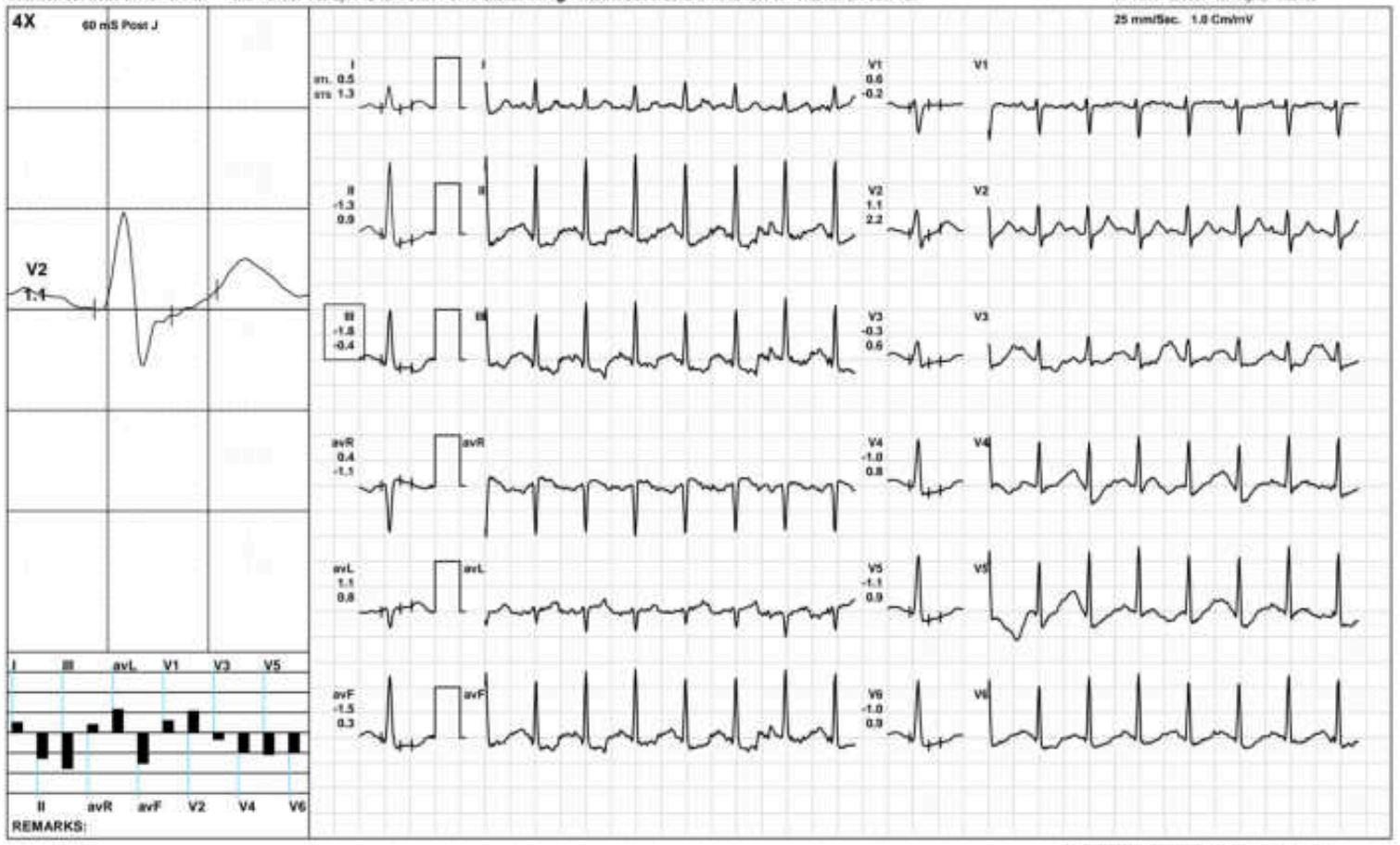
AAROGYAM DC, PATNA

BRUCE/:Stage 1(3:00)



2992 / KUMARI NEHA / 33 Yrs / F / 152 Cms / 79 Kg / HR : 149

Date: 27-Jul-2024 01:47:49 PM METS: 4.7/ 149 bpm 79% of THR BP: 125/85 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz ExTime: 03:00 1.7 mph 10.0%



(GEM212170906)(R)Kardic by Allengers

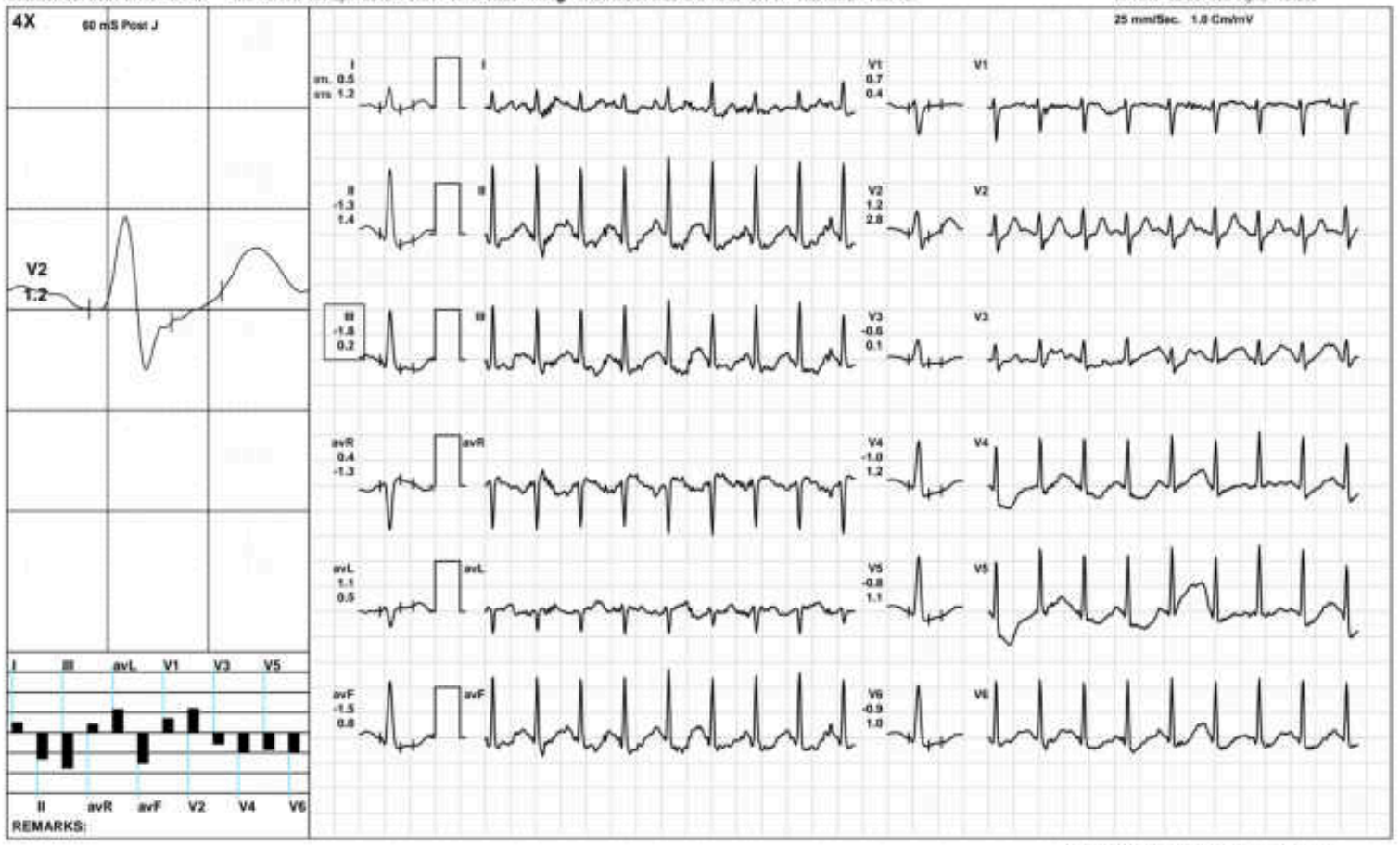
AAROGYAM DC, PATNA

BRUCE/:Stage 2(3:00)



2992 / KUMARI NEHA / 33 Yrs / F / 152 Cms / 79 Kg / HR : 169

Date: 27-Jul-2024 01:47:49 PM METS: 7.1/ 169 bpm 90% of THR BP: 130/90 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz ExTime: 06:00 2.5 mph 12.0%



(GEM212170906)(R)Kardic by Allengers

AAROGYAM DC, PATNA

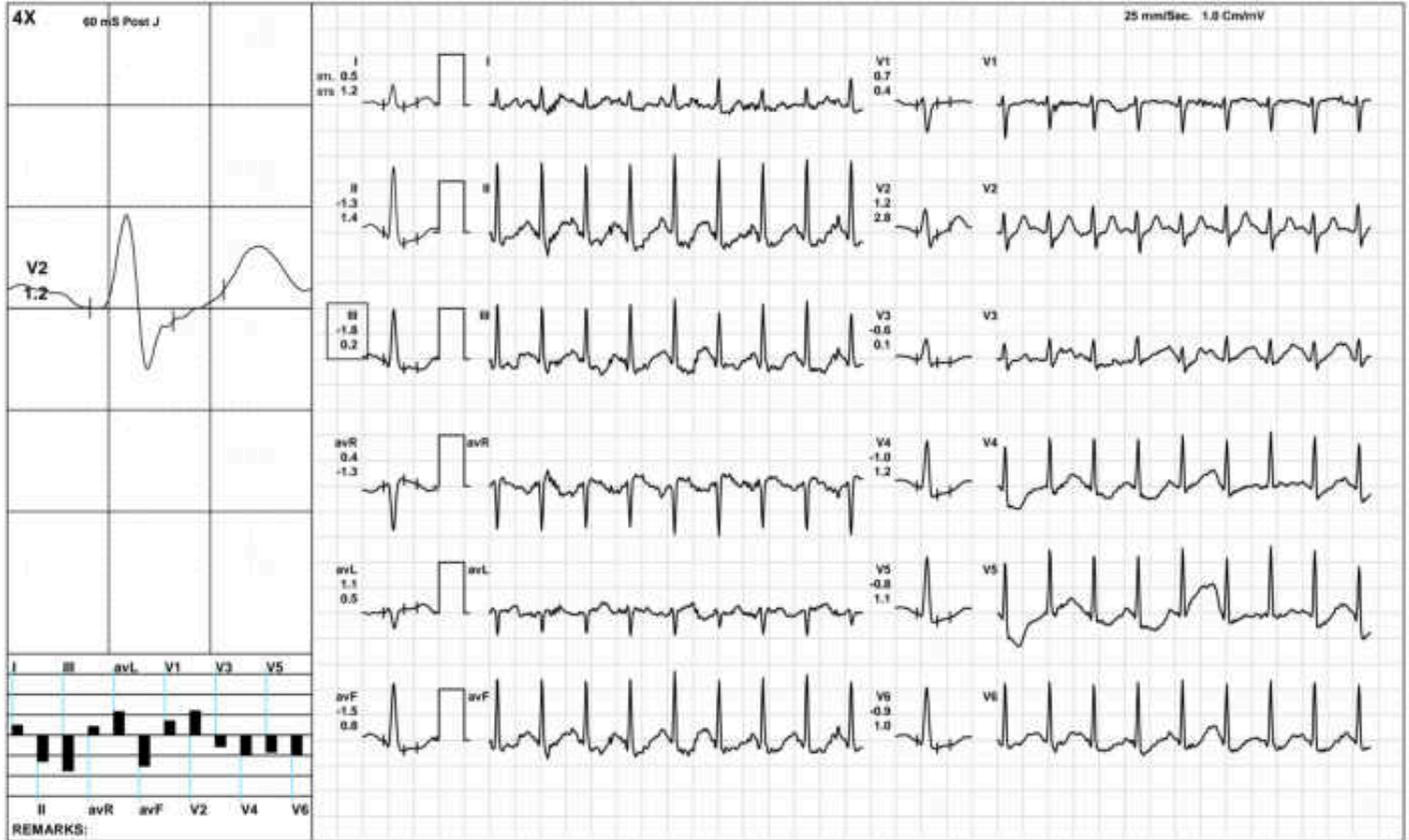
2992 / KUMARI NEHA / 33 Yrs / F / 152 Cms / 79 Kg / HR : 169

PeakEx



Date: 27-Jul-2024 01:47:49 PM METS: 7.1/ 169 bpm 90% of THR BP: 130/90 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:00 2.5 mph 12.0%



(GEM212170906)(R)Kardic by Allengers

AAROGYAM DC, PATNA

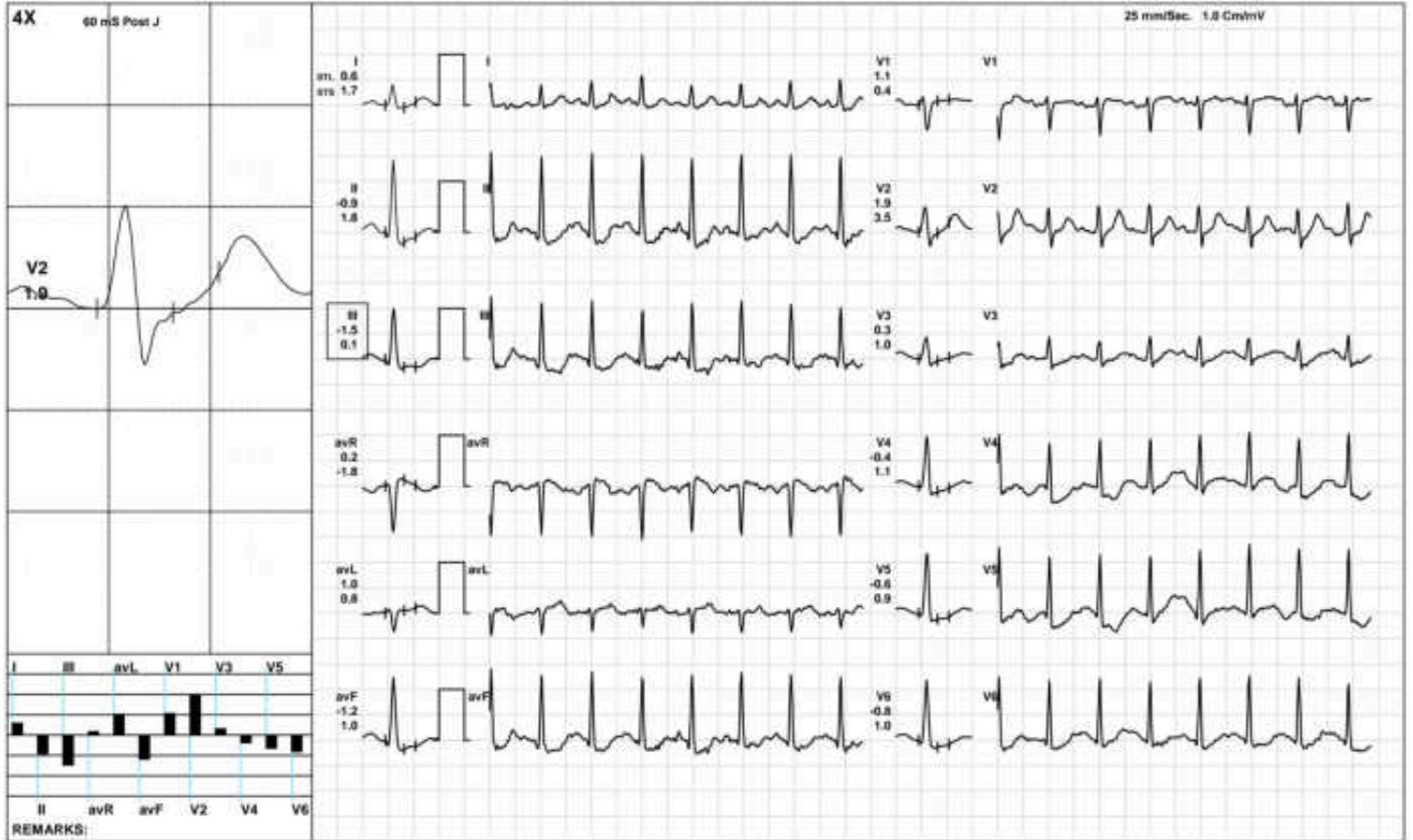
2992 / KUMARI NEHA / 33 Yrs / F / 152 Cms / 79 Kg / HR : 152

Recovery(1:00)



Date: 27-Jul-2024 01:47:49 PM METS: 1.2/ 152 bpm 81% of THR BP: 125/85 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:01 1.1 mph 0.0%



AAROGYAM DC, PATNA

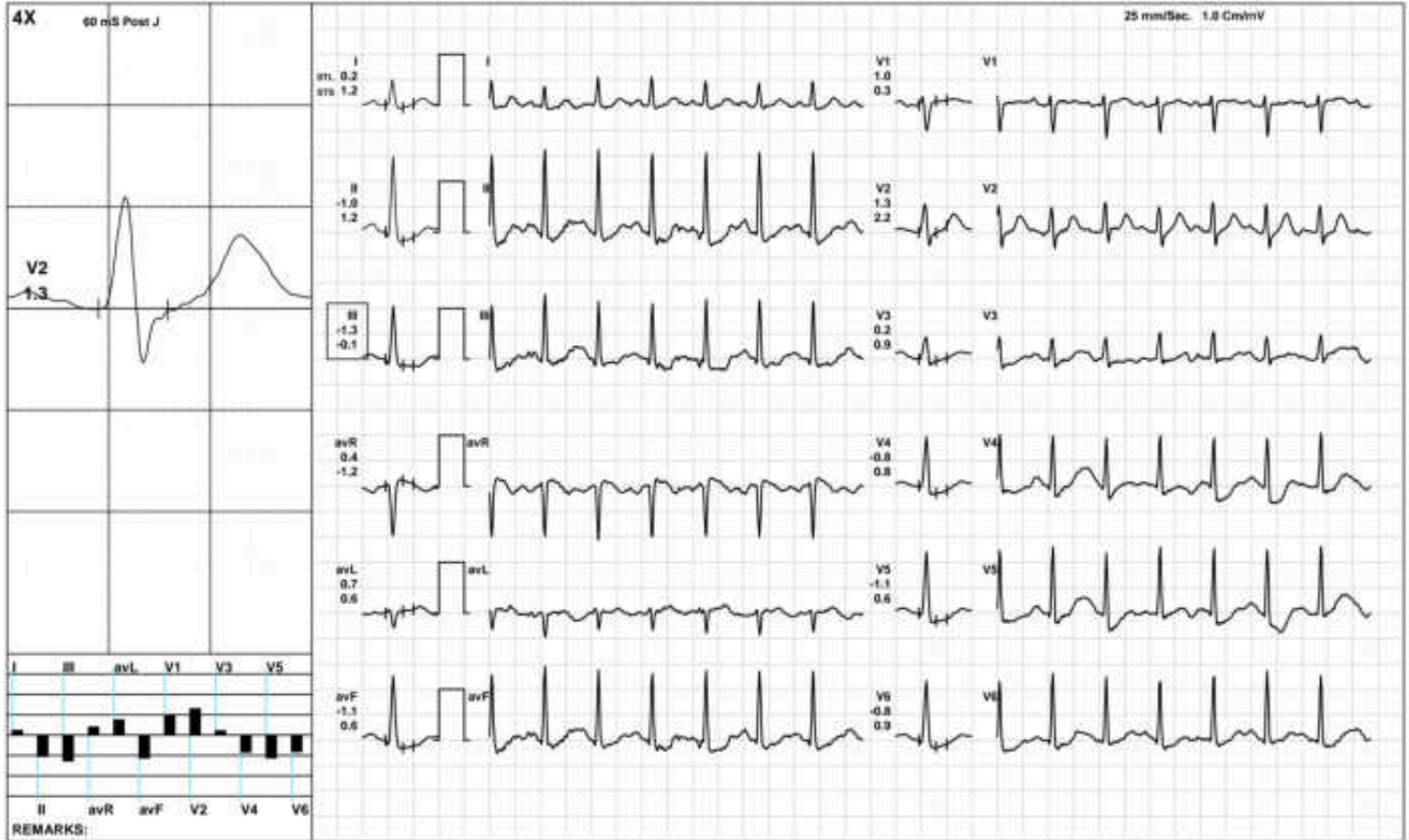
2992 / KUMARI NEHA / 33 Yrs / F / 152 Cms / 79 Kg / HR : 139

Recovery(2:00)



Date: 27-Jul-2024 01:47:49 PM METS: 1.0/ 139 bpm 74% of THR BP: 120/80 mmHg Raw ECG/ BLC On/ Notch On/ HF 0.05 Hz/LF 100 Hz

ExTime: 06:01 1.1 mph 0.0%



(GEM212170906)(R)Kardic by Allengers

AAROGYAM DC, PATNA

ST Measurements



2992 / KUMARI NEHA / 33 Yrs / F / 152 Cms / 79 Kg / HR : 98

Date: 27-Jul-2024 01:47:49 PM

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	0.2	-1.7	-1.9	0.8	1.0	-1.8	-0.4	0.5	-0.2	-1.0	-1.1	-1.2	1.2	0.9	-0.3	-1.0	0.7	0.3	-0.6	0.8	0.1	0.4	0.7	0.5	
60 @mS Standing	1.0	-0.3	-1.3	-0.3	1.1	-0.8	0.2	2.5	-0.2	-0.2	-0.2	-0.3	1.5	1.1	-0.3	-1.3	0.9	0.4	-0.4	2.3	0.2	0.7	0.9	0.7	
HV	1.0	-0.3	-1.3	-0.3	1.1	-0.8	0.2	2.5	-0.2	-0.2	-0.2	-0.3	1.5	1.1	-0.3	-1.3	0.9	0.4	-0.4	2.3	0.2	0.7	0.9	0.7	
Warm Up	0.6	-0.6	-1.2	0.0	0.9	-0.9	0.3	1.2	-0.2	-0.4	-0.4	-0.5	1.1	1.0	-0.1	-1.0	0.6	0.4	-0.5	1.4	0.2	0.6	0.8	0.6	
ExStart	0.7	-0.2	-0.9	-0.3	0.8	-0.5	0.0	0.3	-0.3	-0.2	-0.3	-0.5	1.4	1.0	-0.5	-1.2	1.0	0.3	-0.6	2.7	0.2	0.8	0.8	0.6	
Stage 1	0.5	-1.3	-1.8	0.4	1.1	-1.5	0.6	1.1	-0.3	-1.0	-1.1	-1.0	1.3	0.9	-0.4	-1.1	0.8	0.3	-0.2	2.2	0.6	0.8	0.9	0.9	
Stage 2	0.5	-1.3	-1.8	0.4	1.1	-1.5	0.7	1.2	-0.6	-1.0	-0.8	-0.9	1.2	1.4	0.2	-1.3	0.5	0.8	0.4	2.8	0.1	1.2	1.1	1.0	
PeakEx	0.5	-1.3	-1.8	0.4	1.1	-1.5	0.7	1.2	-0.6	-1.0	-0.8	-0.9	1.2	1.4	0.2	-1.3	0.5	0.8	0.4	2.8	0.1	1.2	1.1	1.0	
Recovery	0.7	-0.8	-1.5	0.0	1.1	-1.2	1.0	2.0	0.1	-0.5	-0.5	-0.9	1.7	1.0	-0.7	-1.3	1.2	0.1	0.7	4.0	1.0	1.2	1.3	1.0	
Recovery	0.4	-0.7	-1.1	0.2	0.8	-0.9	0.9	1.3	-0.2	-0.4	-0.7	-0.8	1.1	1.3	0.1	-1.2	0.5	0.7	0.3	2.5	1.0	1.0	1.1	0.9	

	I	II	III	avR	avL	avF	V1	V2	V3	V4	V5	V6
STI(μVs)												
Supine	0.5	-14.0	-14.2	6.6	7.4	-14.0	-2.4	4.7	-1.3	-8.3	-8.6	-9.3
Standing	6.0	-3.1	-9.4	-1.4	7.6	-6.1	1.7	16.5	-1.9	-2.3	-2.0	-2.9
HV	6.0	-3.1	-9.4	-1.4	7.6	-6.1	1.7	16.5	-1.9	-2.3	-2.0	-2.9
Warm Up	4.8	-4.8	-9.5	0.0	7.3	-7.1	2.5	9.7	-2.0	-3.3	-3.4	-4.2
ExStart	3.7	-2.4	-6.0	-0.6	4.8	-4.2	1.4	-1.2	-2.3	-2.5	-3.3	-4.4
Stage 1	0.8	-9.1	-9.8	4.1	5.4	-9.5	3.8	2.0	-2.8	-7.4	-8.2	-7.5
Stage 2	0.3	-10.2	-10.3	4.9	5.4	-10.1	3.1	0.7	-3.9	-8.3	-7.2	-7.1
PeakEx	0.3	-10.2	-10.3	4.9	5.4	-10.1	3.1	0.7	-3.9	-8.3	-7.2	-7.1
Recovery	1.3	-5.2	-6.5	1.9	3.9	-5.8	3.8	4.1	-0.8	-3.9	-4.0	-5.6
Recovery	0.6	-5.8	-6.5	2.6	3.6	-6.2	4.8	2.9	-2.8	-3.7	-5.7	-6.5



2992 / KUMARI NEHA / 33 Yrs / Female / 152 Cm / 79 Kg

Time	HR	PR Int	QRS Wid	QRS Axis	QTC	P(µV)	R(µV)	S(µV)	T(µV)	Min. J Leads for	Min. Post	RR Var	VEB	Missed Beats	
(Min.)	(bpm)	(mS)	(mS)	(Deg.)	(mS)	(Max)	(Max)	(Min)	(Max)	(µV)	(J & P/J)	(µV)	(%)	(Counts)	(Counts)
00 : 30	97	142	48	68	370	180	1429	-661	-210	111	avF	-173	0.00	0	0
01 : 00	93	132	48	68	408	82	1510	-659	335	28	V6	-131	0.00	0	0
01 : 30	110	206	60	71	388	1436	1439	-615	519	174	II	-105	0.00	0	0
02 : 00	123	166	48	65	340	1436	1402	-573	519	152	II	-135	0.00	0	0
02 : 30	136	84	46	69	416	134	1434	-539	-233	106	II	-174	0.00	0	0
03 : 00	144	128	46	69	332	131	1423	-542	-221	99	II	-196	0.00	0	0
03 : 30	151	116	46	72	320	140	1417	-541	-228	82	II	-171	0.00	0	0
04 : 00	149	116	46	72	433	158	1407	-547	244	43	II	-188	0.00	0	0
04 : 30	152	112	46	73	443	157	1398	-541	245	62	II	-216	0.00	0	0
05 : 00	152	120	46	72	428	158	1410	-551	-257	38	II	-178	0.00	0	0
05 : 30	158	134	50	74	141	238	1369	-543	362	52	II	-220	0.00	0	0
06 : 00	162	106	46	75	398	175	1399	-561	-267	51	avF	-195	0.00	0	0
06 : 30	164	106	46	74	422	188	1383	-540	279	34	II	-201	0.00	0	0
07 : 00	167	104	46	70	414	198	1389	-563	278	61	III	-200	0.00	0	0
07 : 30	167	100	46	72	417	150	1409	-560	292	45	II	-199	0.00	0	0
08 : 00	168	94	46	75	420	170	1387	-545	304	-81	V5	-190	0.00	0	0
08 : 30	155	106	46	75	413	175	1448	-564	330	68	II	-159	0.00	0	0
09 : 00	142	114	46	74	425	161	1472	-551	372	92	II	-158	0.00	0	0
09 : 30	138	130	46	72	432	165	1524	-558	367	131	II	-131	0.00	0	0
10 : 00	142	132	46	71	446	156	1545	-562	358	90	II	-172	0.00	0	0
10 : 30	133	132	46	71	446	156	1545	-562	358	90	V6	-172	0.00	0	0



Name :- Ms. Kumari Neha
Refd by :- Corp.

Age/Sex:- 33Yrs/F
Date :- 27/07/24

Thanks for referral.

REPORT OF USG OF WHOLE ABDOMEN

- Liver** :- Mild enlarged in size(14.9cm) with slightly raised 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. It is echofree & shows no evidence of calculus, mass or sludge.
- 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 (10.0 cm) 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 11.4 cm and Left Kidney measures 11.4 cm.
- Ureters** :- Ureters are normal.
- U. Bladder**:- It is echofree. No evidence of calculus, mass or diverticulum is seen.
- Uterus** :- Normal in size (7.2cm x 3.1cm) and anteverted in position with normal myometrial echotexture and endometrial thickness. ET-8.0mm.
- Ovaries** :- Both ovaries show normal echotexture and follicular pattern. Right ovary measures 27mm x 16mm and Left ovary measures 24mm x 18mm. No pelvic (POD) collection is seen.
- Others** :- No ascites or abdominal adenopathy is seen.
No free subphrenic / basal pleural space collection is seen.

IMPRESSION:- *Mild Hepatomegaly with Mild Fatty Liver.
Otherwise Normal Scan.*

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



MC-2024

Lab Facility : Unipath House, Besides Sahjanand College, Opp. Kamdhenu Complex, Panjarapole, Ambawadi, Ahmedabad-380015 Gujarat
Phone: +91-79-49006800 | WhatsApp: 6356005900 | Email: info@unipath.in | Website: www.unipath.in
Regd. Of- ce : 5th Floor, Doctor House, Nr. Parimal Garden, Ahmedabad-380006 Gujarat
CIN: UB5195GJ2009PLC057059



40704100611

TEST REPORT

Reg.No : 40704100611	Reg.Date : 28-Jul-2024 12:49	Collection : 28-Jul-2024 12:49
Name : KUMARI NEHA		Received : 28-Jul-2024 12:49
Age : 33 Years	Sex : Female	Report : 28-Jul-2024 13:50
Referred By : AAROGYAM DIAGNOSTICS @ PATNA		Dispatch : 28-Jul-2024 14:10
Referral Dr : <input type="checkbox"/>	Status : Final	Location : 41 - PATNA

Test Name	Results	Units	Bio. Ref. Interval
THYROID FUNCTION TEST			
T3 (triiodothyronine), Total <small>C/MIA</small>	1.07	ng/mL	0.70 - 2.04
T4 (Thyroxine), Total <small>C/MIA</small>	9.42	µg/dL	5.5 - 11.0
TSH (Thyroid stimulating hormone) <small>C/MIA</small>	1.116	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