



មន្ទីរពេទ្យព្រះកេតុមាលា
PreahKetMealea Hospital
អគារបេះដូង និង សរសៃឈាម
Heart and Vascular Department

ព្រះរាជាណាចក្រកម្ពុជា
KINGDOM OF CAMBODIA
ជាតិ សាសនា ព្រះមហាក្សត្រ
Nation Religion King

Carotid Artery Doppler Ultrasound Report

Name: **SAM CHEN DA** Sex: **M**

Age: **64Years old**

H: **160cm**

W: **78 Kg**

Check Up:

Request by: **Dr.**

Nurse: **BOEUN CHANNARY**

Measurements

Right Carotid Artery

CCA Prox PSV :84 cm/sec
Dist PSV :78 cm/sec
ICA PSV :64 cm/sec
EDV : cm/sec
ECA PSV :64 cm/sec

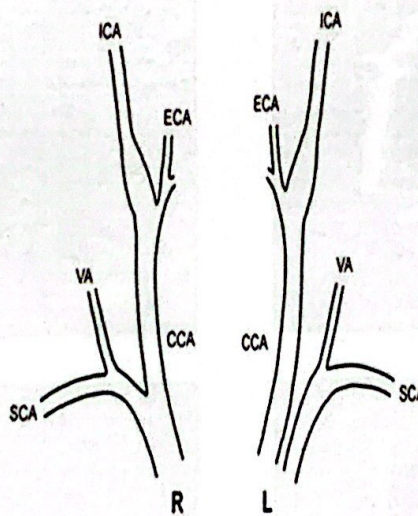
Right Vertebral Artery

d:2.8 mm v:40 cm/sec

Right Subclavian Artery

d:6.8 mm v:82 cm/sec

Right IMT:0.6mm



Left Carotid Artery

CCA ProxPSV :81 cm/sec
Dist PSV :86 cm/sec
ICA PSV :72 cm/sec
EDV : cm/sec
ECA PSV :103 cm/sec

Left Vertebral Artery

d:4.1 mm v:32 cm/sec

Left Subclavian Artery

d:7.0 mm v:55 cm/sec

Left IMT:0.6mm

Comments

Right vessels: The right bifurcation carotid artery is normal and free plaque. The right CCA has no evidence of hemodynamics significant stenosis. The right internal carotid artery has no evidence of hemodynamics significant stenosis there is no evidence of stenosis in the external carotid artery. There is normal antegrade PSV and diameter was noted in vertebral artery. There is normal mid CCA IMT: 0.6mm.

Left vessels: The left bifurcation carotid artery is normal and free plaque. The left CCA has no evidence of hemodynamics significant stenosis. The left internal carotid artery has no evidence of hemodynamics significant stenosis there is no evidence of stenosis in the external carotid artery. There is normal antegrade PSV and diameter was noted in vertebral artery. There is normal mid CCA IMT: 0.6mm.

Conclusion

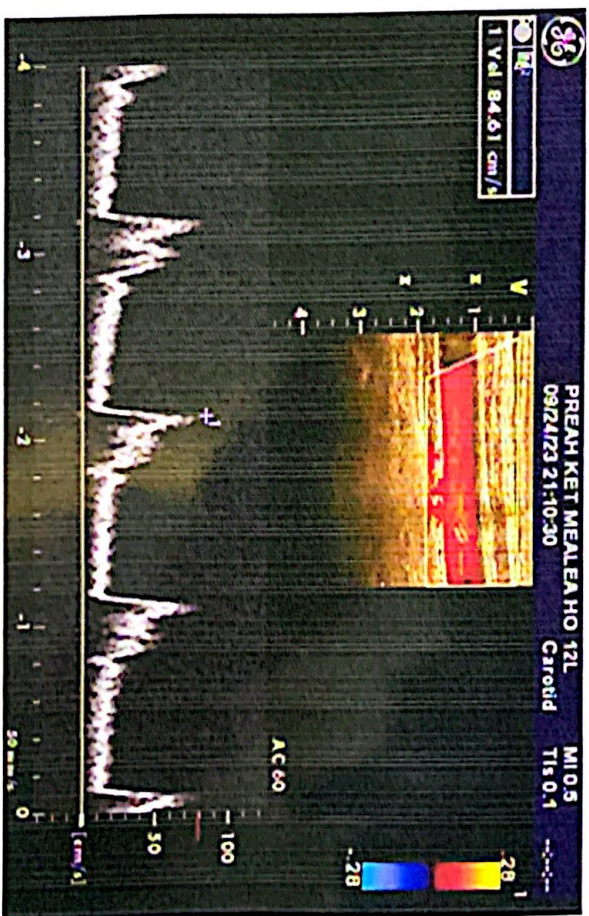
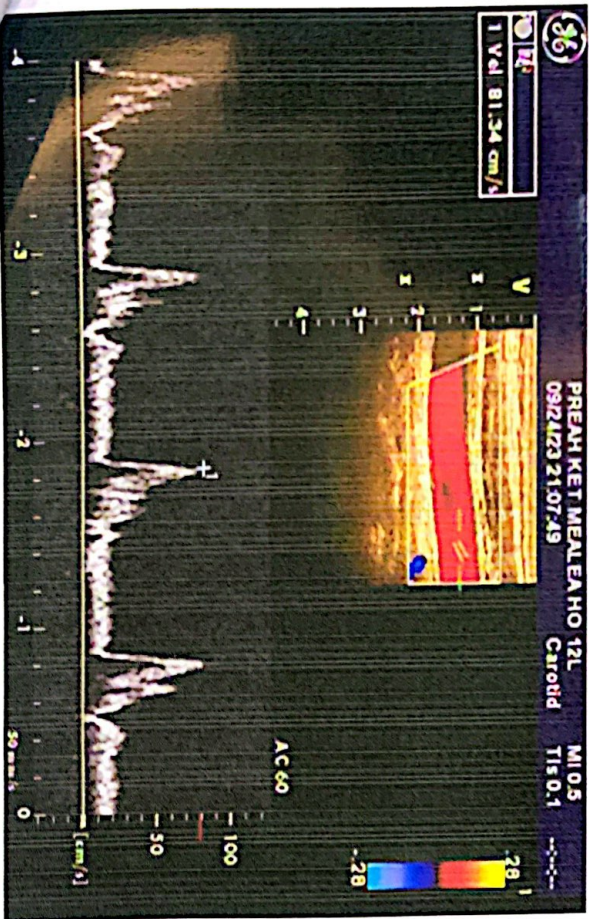
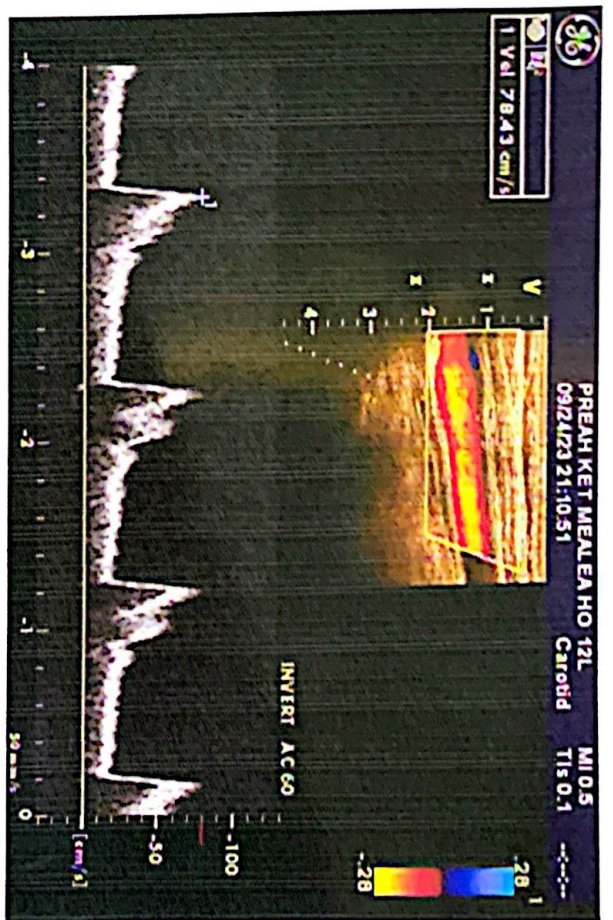
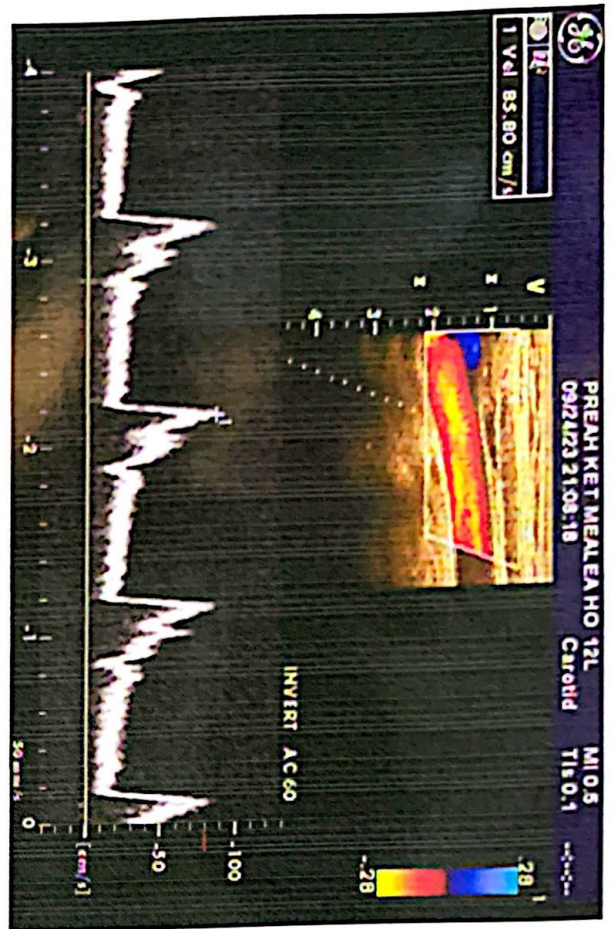
- Normal carotid duplex examination without evidence of hemodynamically significant flow disturbances
- There were normal of the both mid CCA IMT
- There normal antegrade flow in the vertebral artery.

25

September 2023

Dr. YUN Sophoas

អាស័យដ្ឋាន: មន្ទីរពេទ្យព្រះកេតុមាលា ផ្លូវ បារាំង (៤៧) សង្កាត់ស្រះចក ខណ្ឌដូនពេញ រាជធានីភ្នំពេញ ទូរស័ព្ទលេខ: ០៩៨ ៣០៧ ៣០៧/ ០១៧ ៩៧ ៩៨ ៣៦





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Nation Religion King

Echocardiogram Report

Name: SAM CHENDA Sex: M Age: 64Years old H:160cm W:78Kg BSA: m²
Check Up: Heart Check Up
Request by: Dr. Nurse: SORN SREYLEAK

នាយករងមន្ទីរពេទ្យ
វេជ្ជ. ព្រំ វិសេស

Ao Root Dia : 31mm (20-35)
AoV Cusp Sep : 22mm (16-23)
Initial aorta : Normal

LA Dia : 31mm (20-35)
LA Surf : 18cm² (< 20)

នាយកអគារ
សាស្ត្រាចារ្យ វេជ្ជ. យុន សុភ័ស្ត

IVSd : 11mm(08-11)
LVDd : 54mm(40-54)
LVPWd : 11mm(08-11)

IVSs : 15mm (11-14)
LVDs : 33mm (25-40)
LVPWs : 18mm (12-25)

នាយករងអគារ
វេជ្ជ. ហែន ចន្ទ្យា

FS : 38%(28-42)
SV : ml

EF : 68% (60-80)
CO : ml

PERICARDIAL: Normal.

វេជ្ជបណ្ឌិតឯកទេស
បេះដូង និង សរសៃឈាម

COMMENT

វេជ្ជ. យុន សុភ័ស្ត
វេជ្ជ. សេង រ៉េន
វេជ្ជ. សែ គង់សៅ
វេជ្ជ. យ៉ា ពិសិដ្ឋ
វេជ្ជ. ហ៊ុន មេនា

Left ventricle:

- LV dimension no enlarged with LV Dd 54 mm.
- LV function is well with EF 68 % .
- Global and segmental contraction is normal.
- Type II of Mitral Doppler.
- Septum and posterior wall are normal.

Mitral valve: is normal, no mitral valvulopathy.

Aortic valve: is normal, no aortic valvulopathy.

Left atrium: no enlarged, no thrombus neither spontaneous contrast.

Right cavity: No evidence of the right cavity dilated.

No TR neither Pulmonary artery hypertensive

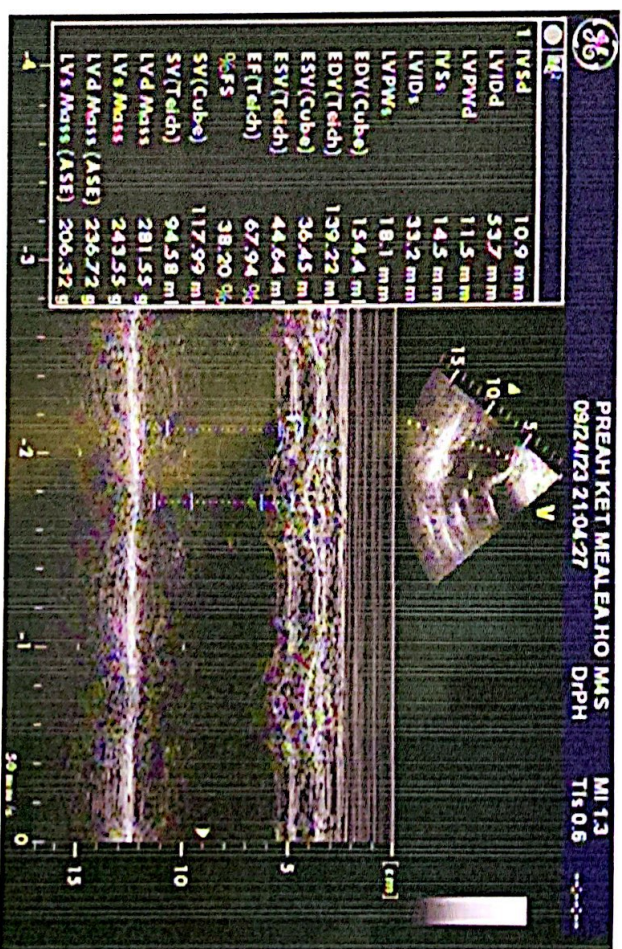
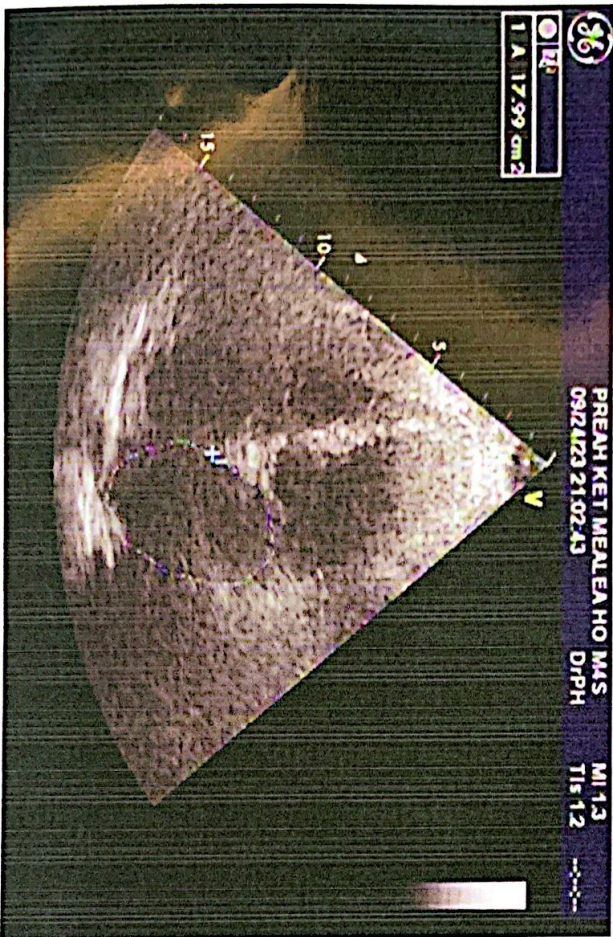
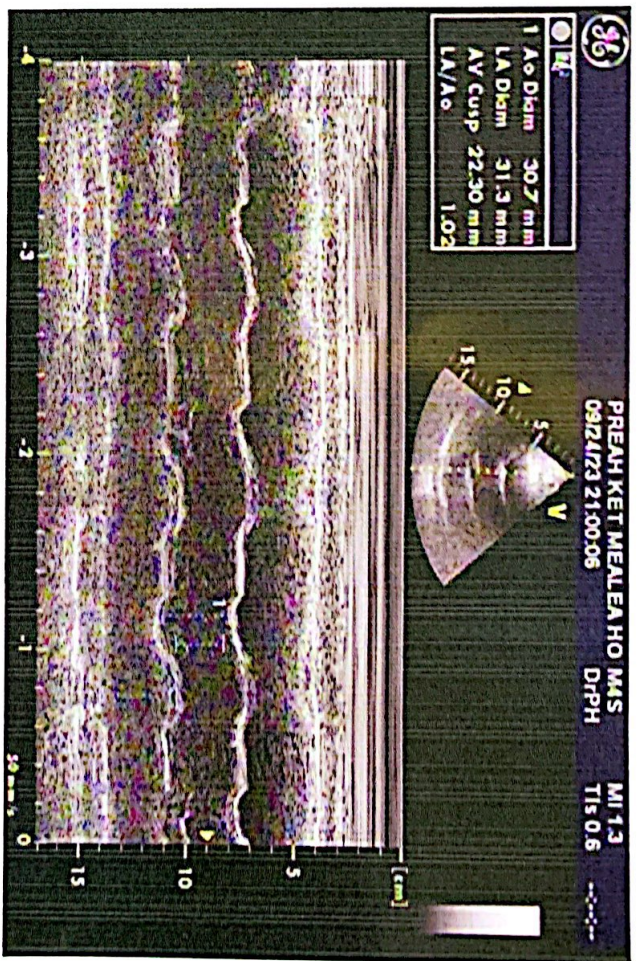
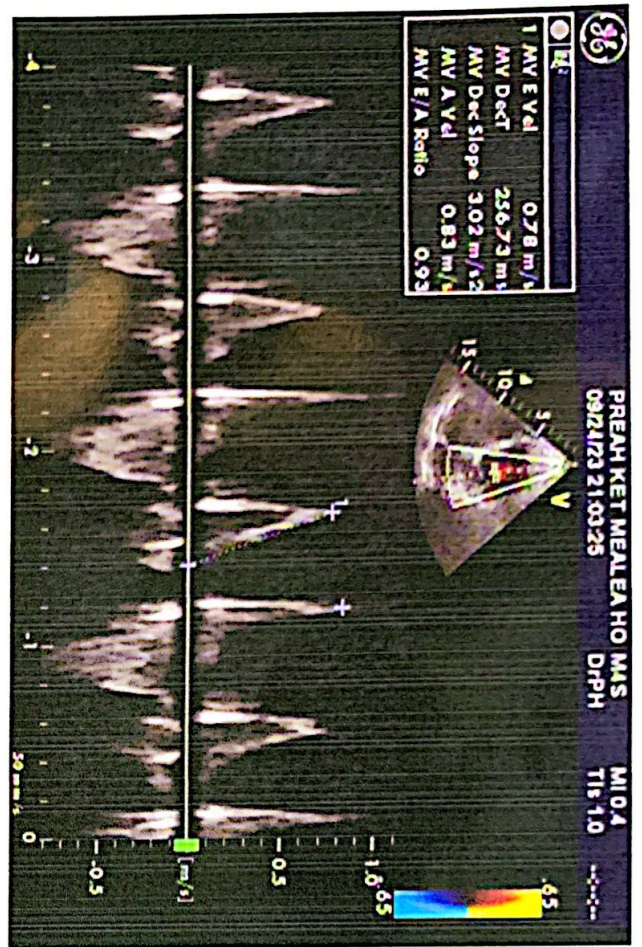
No shunt and neither velocity.

IVC: IVC no enlarged with 10 mm diameter.

Conclusion: Normal Cardiac Ultrasound.

25 September 2023

វេជ្ជ. យុន សុភ័ស្ត/Dr. Yun Sophoas



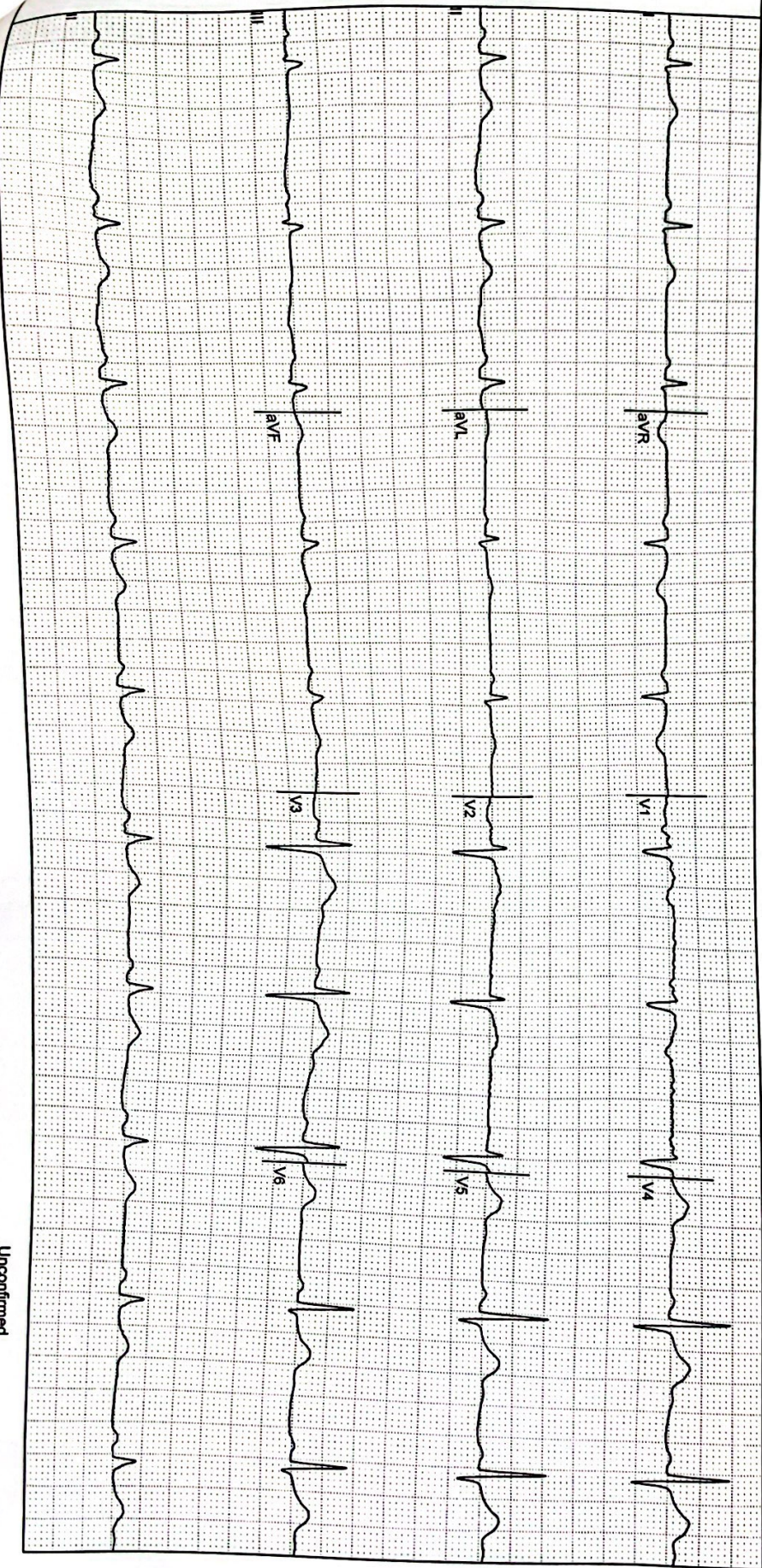
25.08.2023 7:37:07 AM
PREAH KET MEALEA HOSPITAL

SAM CHENDA (H 64)

59 bpm
-/- mmHg

QRS: 86 ms
QT/QTcBaz: 460/455 ms
PR: 162 ms
P: 102 ms
RR/PP: 101/1016 ms
P/QRS/T: 45/42/46 degrees

Sinus bradycardia
Otherwise normal ECG



Mac 800

2.0.9

12SL™ V239

25 mm/s

10 mm/mV

ADS

0.04-20 Hz

50 Hz

Unconfirmed
4x2.5x3_25_R1

1/1



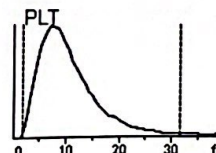
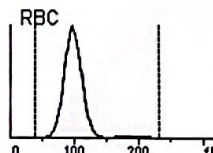
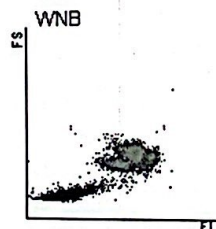
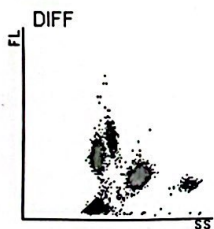
មជ្ឈមណ្ឌលពេទ្យព្រះកេតុមាលា
PREAH KET MEALEA HOSPITAL (CAMBODIA)
LABORATORY OF THE MEDICAL HEMATOLOGY

First Name: **SAM CHENDA**
Gender: **Male**
Department: **Cardio**
Diagnosis:

Last Name:
Age: **64Year(s)**
Bed No.:

Sample ID: **27362**
Patient ID: **23-28388**
Date of Analysis: **9/25/2023 10:35 AM**

Para.	Result	Unit	Ref. Ranges	Flag
1 WBC	6.97	10 ⁹ /L	4.00 - 10.00	
2 Neu#	4.19	10 ⁹ /L	2.00 - 7.00	
3 Lym#	1.82	10 ⁹ /L	0.80 - 4.00	
4 Mon#	0.61	10 ⁹ /L	0.12 - 1.20	
5 Eos#	0.28	10 ⁹ /L	0.02 - 0.50	
6 Bas#	0.07	10 ⁹ /L	0.00 - 0.10	
7 IMG#	0.01	10 ⁹ /L	0.00 - 999.99	
8 Neu%	60.1	%	50.0 - 70.0	
9 Lym%	26.1	%	20.0 - 40.0	
10 Mon%	8.8	%	3.0 - 12.0	
11 Eos%	4.0	%	0.5 - 5.0	
12 Bas%	1.0	%	0.0 - 1.0	
13 IMG%	0.1	%	0.0 - 100.0	
14 RBC	4.56	10 ¹² /L	4.00 - 5.50	
15 HGB	141	g/L	120 - 160	
16 HCT	42.1	%	40.0 - 54.0	
17 MCV	92.3	fL	80.0 - 100.0	
18 MCH	30.8	pg	27.0 - 34.0	
19 MCHC	334	g/L	320 - 360	
20 RDW-CV	14.1	%	11.0 - 16.0	
21 RDW-SD	49.4	fL	35.0 - 56.0	
22 PLT	302	10 ⁹ /L	150 - 400	
23 MPV	10.4	fL	6.5 - 12.0	
24 PDW	16.0		15.0 - 17.0	
25 PCT	H 0.315	%	0.108 - 0.282	
26 P-LCC	87	10 ⁹ /L	30 - 90	
27 P-LCR	28.8	%	11.0 - 45.0	
28 PLT-I	H 302	10 ⁹ /L	100 - 300	
29 NRBC#	0.000	10 ⁹ /L	0.000 - 9999.999	
30 NRBC%	0.00	/100WBC	0.00 - 9999.99	



Head of Laboratory

Verified by
Tech. IM VUTHY

Performed by



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Preah Ket Mealea Hospital

LABORATORY RESULTS



Hospital No : 25092314-0048	Sample Source: Cardio-Dept
Patient Name : SAM CHENDA	Phone number: 097 729 62 96
Gender : Male	Age: 64 Year 0 Month 0 Day
Address: Phnom Penh, Unknown	Diagnosis:

HEMATOLOGY	Sample Number	Requested by	Received Date	Test Date
Blood-EDTA	23-28388-0923	Unknow	25-Sep-2023 09:50	25-Sep-2023 11:09

Test Name	Result	Units	Reference Range
Blood group.....	O Rh (D) Positive		
ESR.....	51 ✓	mm/h	< 15

Comment

Last Test Date: 25-Sep-2023

Head of Laboratory

Report Date: 25-Sep-2023 12:25

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LABORATORY RESULTS



Hospital No : 25092314-0048	Sample Source: Cardio-Dept
Patient Name : SAM CHENDA	Phone number: 097 729 62 96
Gender : Male	Age: 64 Year 0 Month 0 Day
Address: Phnom Penh, Unknown	Diagnosis:

BIOCHEMISTRY	Sample Number	Requested by	Received Date	Test Date
Blood-Clotted	23-28388-0923	Unknown	25-Sep-2023 09:50	25-Sep-2023 11:09

Test Name	Result	Units	Reference Range
Uric acid.....	8.2 ✓	mg/dL	3.5 - 7
Glucose Fasting.....	84	mg/dL	75 - 105
Calcium.....	8.7	mg/dL	8.6 - 10.3
Albumin.....	44	g/L	35 - 50
ENGYMOLOGY			
Transaminases SGOT (AST).....	27	U/L	< 41
Transaminases SGPT (ALT).....	30	U/L	< 40
Gamma GT.....	106 ✓	IU/L	< 55
RENAL FUNCTIONS			
Urea.....	23	mg/dL	15 - 39
Creatinine.....	1.0	mg/dL	0.9 - 1.3
eGFR (CKD-MPI).....	79.19	ml/min/1.73m ²	

Modification of Diet in Renal Disease (According to Cockcroft & Gault formula)

According to the international recommendations, chronic kidney disease includes 6 stages.

STAGES GFR DEFINITION

- | | | |
|----|-------|----------------------------|
| 1 | > 90 | Normal kidney function |
| 2 | 60-89 | No kidney damage |
| 3A | 45-59 | Mild-Moderate decrease GFR |
| 3B | 30-44 | Moderate decrease GFR |
| 4 | 15-29 | Severe decrease GFR |
| 5 | < 15 | Kidney failure |

Chronic kidney disease is defined as either kidney damage or GFR<60mL/min/1.73m² for >3 months

LIPID PROFILES

Triglyceride.....	136	mg/dL	< 150
Cholesterol total.....	196	mg/dL	120 - 200
Cholesterol-HDL.....	39	mg/dL	> 35
Cholesterol-LDL.....	130 ✓	mg/dL	< 100

ELECTROLYTES

Potassium.....	4.05	mmol/L	3.5 - 5.2
Sodium.....	146.3	mmol/L	136 - 145

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LABORATORY RESULTS



Hospital No : 25092314-0048
Patient Name : SAM CHENDA
Gender : Male
Address: Phnom Penh, Unknown

Sample Source: Cardio-Dept
Phone number: 097 729 62 96
Age: 64 Year 0 Month 0 Day
Diagnosis:

Chloride..... 106.4 mmol/L 96 - 108

Comment

BIOCHEMISTRY	Sample Number	Requested by	Received Date	Test Date
Blood-EDTA	23-28388-0923	Unknow	25-Sep-2023 09:50	25-Sep-2023 12:21

Test Name	Result	Units	Reference Range
Hb A1C (%)			
Hb A1C (%).....	5.1 ✓	%	4.5 - 6.5
Hb A1C.....	33	mmol/mol	26 - 48

Comment

Last Test Date: 25-Sep-2023
Head of Laboratory

Report Date: 25-Sep-2023 12:25
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Preah Ket Mealea Hospital

LABORATORY RESULTS



Hospital No : 25092314-0048 Sample Source: Cardio-Dept
Patient Name : SAM CHENDA Phone number: 097 729 62 96
Gender : Male Age: 64 Year 0 Month 0 Day
Address: Phnom Penh, Unknown Diagnosis:

SEROLOGY	Sample Number	Requested by	Received Date	Test Date
Blood-Clotted	23-28388-0923	Unknow	25-Sep-2023 09:50	25-Sep-2023 11:44

Test Name	Result	Units	Reference Range
CRP Quantitative.....	25	mg/L	< 5
ASO titre (N: < 200).....	Reaction Negative		
Rhumatoid factor.....	Reaction Negative		
SEROLOGY OF HELICOBACTER PYLORI			
H. pylori IgG (Quantitative).....	0.24	UI/mL	< 1.1
WIDAL Titer			
TO.....	1/80		
TH.....	1/80		
TUMOR MARKERS			
PSA Total (ProstateSpecificAntigen) .	0.45	ng/mL	< 4
ADVIA Centaur®CP, SIEMENS			
HORMONOLOGY			
FT3 (Free Triiodothyronine).....	3.00	pg/mL	-
CL-1000i, Mindray			
-Adult : (1.80 – 4.20)			
-Pregnant women trimester 1: (2.10 – 3.20)			
-Pregnant women trimester 2: (1.90 – 3.10)			
-Pregnant women trimester 3: (1.90 – 2.80)			
FT4 (Free Thyroxine).....	1.15	ng/dL	-
CL-1000i, Mindray			
-Adult : (0.50 – 1.40)			
-Pregnant women trimester 1: (0.83 – 1.54)			
-Pregnant women trimester 2: (0.56 – 1.32)			
-Pregnant women trimester 3: (0.54 – 1.05)			
TSH (Thyroid Stimulating Hormone) ..	1.715	μIU/mL	-
CL-1000i, Mindray			
-Adult : (0.35 – 5.10)			
-Pregnant women trimester 1: (0.09 – 4.87)			
-Pregnant women trimester 2: (0.47 – 4.79)			
-Pregnant women trimester 3: (0.50 – 5.40)			

Comment

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LABORATORY RESULTS



Hospital No : 25092314-0048 Sample Source: Cardio-Dept
Patient Name : SAM CHENDA Phone number: 097 729 62 96
Gender : Male Age: 64 Year 0 Month 0 Day
Address: Phnom Penh, Unknown Diagnosis:

MICROBIOLOGY	Sample Number	Requested by	Received Date	Test Date
Urine	23-28388-0923	Unknow	25-Sep-2023 09:50	25-Sep-2023 12:17

Test Name	Result	Units	Reference Range
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APPEARANCE

Color.....	Pale yellow
Opacity.....	Clear

BIOCHEMISTRY

Leucocyte esterase.....	Negative
Nitrites.....	Negative
Urobilinogen.....	Negative
Protein.....	Negative
pH.....	5.0
Blood.....	Negative
Specific Gravity.....	1.005
Ketones.....	Negative
Bilirubin.....	Negative
Glucose.....	Negative
Ascorbic acid.....	Negative

MICROSCOPY EXAMINATION

WBC-centrifuged deposit.....	00	/HPF	< 10
RBC-centrifuged deposit.....	00	/HPF	< 10
Epithelial cells-centrifuged deposit.....	04	/HPF	< 5
Casts.....	NOT DETECTED		
Crystals.....	NOT DETECTED		
Bacteria.....	NOT DETECTED		
Yeast cells.....	NOT DETECTED		

Comment

Last Test Date:

Head of Laboratory

Report Date: 25-Sep-2023 12:25

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