

# CARDIOGENIC SHOCK CASE PRESENTATION

PRESENTER:

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# Clinical history

- NM a 42yr/F a known patient with rheumatic heart disease and heart failure was on po lasix 40mg ,spironolactone 25mg od ,warfarin 5mg and sacubitril –valsartan 49/51mg for over 3 years poor drug adherence .
- She was brought to A/E on 11th/10/2023 with 1 week history of progressive worsening shortness of breath , exertional dyspnea,palpitations ,dizziness , paroxysmal nocturnal dyspnea and lower limb swellings .
- She reported no symptoms of loss of consciousness or convulsions.

# Primary survey

Airway	Patent Patient able to talk	
Breathing	Obvious respiratory distress with lower chest depression , RR 42b/m ,spo2 75% room air ,bilateral air entry, no crackles or rhonchi	Oxygen therapy 15litres/minute via NRM – spo2 96%
Circulation	cold extremitities, jugular venous distension , CRT>4sec HR 154b/m reduced volume irregular irregular Bp. 66/29mmgh MAP 49,distended jvp, Hs 1n 11 heard with loudest murmur at mitral	Iv fluids n/s 1 litre start Iv norepinephrine 60mcg/hr infusion Iv dobutamine 6mcg/mg titrate accordingly to effect MAP >65 Blood samples taken : CBC, RFTS, LFTS AND Serum electrolytes.

Disability	Alert GCS-15/15 pearl RBS 3.1mmol/l	
Exposure	Cold extremities Anuria for 24 hours Abdomen normal fullness no obvious abnormalities	Iv fluids n/s 1 liter start urethral catheterization inserted , sample for urinalysis and Rfts taken

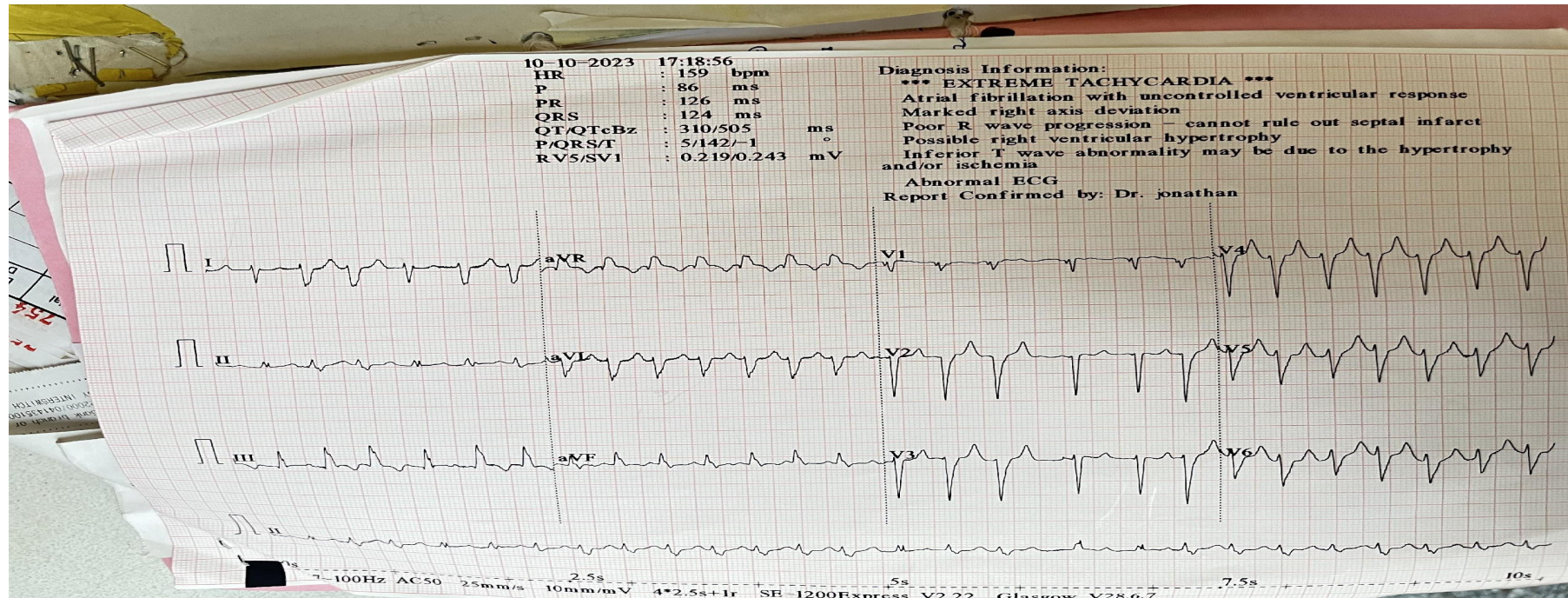
# SAMPLE HISTORY

S	Signs and symptoms	Shortness of breath for 1/52 associated with palpitations , left sided dull chest pain , orthopnea , exertion dyspnea and lower limb swellings Anuria x 24 hours
A	Allergies	No known food or ay drug allergies
M	Medications	Po lasix 40mg ,spironolactone25mg,warfarin 5mg ,bisoprolol 5mg and sarcobitril /vasartan
P	Past medical History	Had 2 admissions at in past 1 month prior to admission On 12 <sup>th</sup> -09 -2023 she was admitted at cardiology ward due to RHD with severe Afib and acute decompensated heart failure(ADHF) , discharged on 15 <sup>th</sup> -09-2023 Readmitted on 25 <sup>th</sup> -09-2023 at cardiology ward due to ADHF , severe A-Fib and acute AKI Discharged on 5 <sup>th</sup> -10-2024 following marked improvement .
L	Last meal	Supper the previous night
E	EVENTS	No traumatic events or aura

# Investigations

- ECG-features of Afib marked rt axis deviation,ventricular tachycardia -156
- Rfts –creatinine2.91(0.5-1.2)H, urea 49(7-18)H,k+6.68(3.6 -5.3)
- LFTS-elevated
- Cbc-WBC 21k/ul (3.2-9),neu 18.4(1.7 to 7.7) HB8.3g/dl PLT136
- Rbs -5.6mmol/l

ecg



# Problem list

- A known RHD with severe A fib and ADHF
- Acute kidney injury with hyperkalemia
- Cardiogenic and septic shock



# Treatment and follow up

- 12th/10/2023 : patient was transferred to medical HDU , still in cardiogenic shock with bps 65/38mmHg pr 154b/m MAP 53 CRT >5sec ,RR 30b/m spo2 96% on 15/l of oxygen.still anuric ,GCS 15/15
- Ecg done and suggestive features of atria fibrillation
- The patient was sedated with iv ketamine 100mg iv and performed synchronised cardioversion at shock of 100j.normal sinus was sustained
- Patient arrested after 18 minutes with PEA, CPR initiated , given adrenaline boluses of 1mg every 5 minutes and endotracheal intubation . Sustained pulse VT defibrillation at 200j.
- Arrested 3 times .CPR was unsuccessful.

- Thank you