

EMS ECHO CASE PRESENTATION

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Brief History

HPC- 26/M, brought into the Medical ER unconscious, reportedly had an episode of nonbilious vomiting in the bathroom, later found lying unresponsive and not able to talk



Pr	Primary Survey (Emergency Assessment and Management)							
Α	Airway	Patent, no secretions	Head tilt and chin lift to maintain a clear airway					
В	Breathing	-RR-9bpm with shallow breaths, SPO2=81% RA, reduced breath sounds	-O2 15L/min via NRM -SPO2 improved to 98%					
С	Circulation	-Cold peripheries, CRT>3s, PR- 47bpm,weak radial pulse, BP- 80/48 mmHg, MAP-59	 -Inserted 2large bore IV, samples for CBC, RFT, LFT, electrolytes -N/S 1.5L bolus, NE infusion 10 mcg/min target MAP≥ 65, naloxone 2mg every 5 minutes (3X) 					
	Seed Science CHO							

THE REPUBLIC OF UGANDA MINISTRY OF HEALTH

Primary Survey (Emergency Assessment and Management)

D	Disability	-GCS- 9/15 E2 V2 M5 -Pinpoint pupils -RBS-6.8 mmol/L	-Inserted urethral catheter -ICU consult (there was no space)				
E	Exposure	-Tight jean trousers -Axillary Temp- 35.1° C -No obvious injuries observed	-Loosened the tight clothings -Warmed the patient with heavy blankets -I.V Paracetamol 1g stat				





ECHO

Secondary Survey (Head-to-toe examination)

Head and Neck – No externally observed injuries, diaphoretic, pinpoint pupils, no ENT discharge, soft neck

Chest – No external injuries, equal chest expansion, shallow breathing, reduced breath sounds bilaterally

Upper Limb - Normal





Secondary Survey (Head-to-toe examination)

Abdomen – normal fullness, soft, non tender, no palpable masses, bowel sounds of normal pitch and frequency

Genitalia - Normal

Lower limbs – Normal





SAMPLE History					
S	Sign & Symptom	-Loss of consciousness, vomiting, difficulty in breathing			
А	Allergies	No known drug/ food allergies			
Μ	Medication	Been self injecting using over the counter pethidine for 1½ years, after fracture management			





SA	SAMPLE History					
Ρ	-Past Medical History	-No known chronic illness				
	-Past Surgical History -FSH	-Was involved in RTA and fractureed the left femur which operated to fix it -Non-alcoholic, non-smoker				
L	Last meal/LNMP	- Had supper 2hours prior (Matooke and meat)				
E	Events	 Heard vomiting from the bathroom, found unresponsive, unable to talk and generally weak Ampules of pethidine also found in the bathroom 				
	GLOBAL HEALTH					

Problem List

- Loss of consciousness
- Respiratory depression
- Bradycardia
- Hypotension
- Vomiting



Investigations

	Result	Unit	Ref. Range				Haematology D		URE	
Test		a start and the start		Test		Result		Jnit	Ref. Ra	
LFT Serum SGPT (ALT) Serum SGOT Serum Alk. Phosphatase Serum GGT Serum Protein Total	31 38 103 25 66 38	U/L H U/L U/L U/L g/L g/L	Up To 35 Up To 32 65 - 270 Up To 40 66 - 87 38 - 47	RBCs Haemoglobin Haematocrit MCV MCH RDW-CV Platelets Count PDW MPV PCT		k.86 4.1 4.1 29.1 34.3 15.4 439 47.2 9.2 0.4	1 9 1 1 9 1 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0^6/uL /dl 1 98 /dl 6 0^3 / ul % 1	3.30 - 5.3 9.8 - 17.0 28.3 - 45. 74.0 - 94. 24.0 - 33. 32.0 - 37. 11.0 - 17. 150 - 450 8.3 - 56.6 5.0 - 10.0 0.1 - 1.0 3.20 - 9.0	8 5 0 3
Serum Albumin RFT	<u> </u>		U -	Leukocytic Differential Count : Differential Percentage Absolute Count						
	4.3	mmol / L	2.7 - 6.4		Value	Unit	Normal Range	Value	Unit	Range 1.7 - 7.7
Urea Serum Creatinine Chloride - Serum Serum Sodium (Na) Serum Potassium (K+)	64 107 138 5.1	umol/L mmol/l mmol / l mmol /L	44 - 106 90 - 110 138 - 150 3.6 - 5.3	Neutrophils% Lymphocytes% Basophils% Eosinophils% Monocytes% LUC %	70.8 24.6 0.3 0.7 2.8 0.70	% % L % %	40 - 75 20 - 40 Up To 1 1 - 6 2 - 10 Up To 5.00	4.7507 1.6507 0.0201 0.0470 0.188 0.04	10^3/uL 10^3/uL 10^3/uL 10^3/uL 10^3/uL 10^3/ ul	0.4 - 4.4 Up To 0.2 Up To 0.6 Up To 0.800 Up To 0.50





Management At MEU (10/01/2025)

- 15L/min oxygen via NRM
- Naloxone IV 2mg every 5 minutes (3 doses)
- IV fluids 1.5L bolus
- NE infusion 10 mcg/min target MAP≥ 65 mmHg
- IV Ondasetrone 8mg tds x1/7



Follow-up

11/01/2025 Day 1 (On ward)

- Reviewed, c/o generalised body weakness, DIB and had an episode of vomiting

- GCS- 13/15 E3 V4 M6, BP-106/60 mmhg, PR-62 bpm,

- Rx - I.V paracetamol 1g tds, ondansetron 8mg tds, omeprazole 40mg od, N/S:Dextrose 5% 500mls tds, monitored vitals; T, SPO2, RBS, BP, RR, PR



Follow-up

On ward: 12/01/2025

-C/o drowsiness and cough

-O/E; in FGC, afebrile, GCS-15/15, BP- 118/72, PR-87, RR=21 bpm,

SPO2-94% RA, mild crackles on the right

- plan: Do CBC, CXR, IV Amoxiclav 1.2 g BD for 3 days , N/S500mls tds for 2 days and PCM for HAP

ON 13/01/2025: No new complaints, BP= 116/68, PR= 76, SPO2= 96%RA, continue above Rx, counseling





Disposition Plan

15/01/2025

-Patient improved on oral PCM, Amoxiclav for 3 days

-Discharged after 6 days, stable, counselled about self medication and Drug abuse and linked to the Alcohol and Drug unit of Butabika NRH for continuous rehabilitation



