





Ministry of Health Emergency Medical Services ECHO Case Presentation Form

Date:21/1/22_Presenter's name:Dr.Anena Joy	yce oyet_ Presenter's location, Gulu RRH			
Patient Initials, _KB Case Id (hub willassign):Patient type: Newcase Follow up				
Age:30Sex: M Male Female Diagnosis (if known): Hypovolemic. Shock 2" to Blunt				
Abdominal Trauma				
What is your presenting Complaint?				
Severe Abdominal pain following RTA fo	or 2hrs			
History of presenting complaint- Duration	1 and Progress			
unknown transportation system with ch progressively worsen from around 10pn reportedly head on collision involving a	at 0:10 Hrs. on 4 th 12 2021 as self-referral by hief complain of severe acute Abdominal pain that in same day following involvement in RTA a Truck driver and a private Vehicle, pain is left to right and from chest to abdomen. No			
Systems review of the illness: Review of systems was not reliable patients was	s grossly confused; most question answered inappropriately.			
3	General/Other			
Review of systems was not reliable patients was				

Significant Medical/Surgical history	
raveler with unknown past history known	ı to acquaintance who brought her
Social history and pertinent family history	
Work status: music producer	Occupation:bussinessman
Education: unknown	Socio-economic class: middle class
Marital status: unknown	Lifestyle habits: musician
Relevant health conditions in the close family men	abers? unknown
Examination Findings	
Airway patent	
Breathing Normal bronchovesicular breath sounds not labored	l DDachum
Normal bronchovesicular breath sounds not labored	ı, AA280piii
Circulation	
On arrival vitals was of Strong, regular pulse at	rate of 110bpm and BP 136/115mmHg at 12:15hrs e of undetectable pulse, so was BP, body was cold and pa
Disability; Patient is irritable, agitated and uncooperative, no o	

Vital Signs; On arrival vitals taken at	: 00:15 hrs; after 1hour at 1:15hrs	
Blood Pressure,undetectable		e SPO2,
98%_ RA		
Temperature,35.70C	Respiratory rate,28	Weight,not taken
Height,not measured		
8 /= ===		
Relevant Systemic Examination		
Central Nervous System		
Irritable, confused and restless, GCS		
Motor response 6 verbal response 4 I		
	-J	
Cardiovascular System		
Moderate to severe pallor, fast pulse	but regular PR 110 bpm on aprival a	nd RP 186/115mmHg HS 1 &9
heard with no added heart sounds	but regular, 1 K 110 opin on arrivar a	nd bi 130/113mming, 113 1 &2
After 1hr repeated vital signs of the p	ations was af undetectable unlesses	was DD hadrowas sald and nals
		was br, body was cold and pale
with distant heart sounds irregularly	irregular.	
Per Abdomen		
Abdomen was scaphoid, marked tend	erness at hypogastrium, no guarding	, no palpable abdominal mass
Abdominal aspirate was tea colored p	peritoneal fluid	
<u>Musculoskeletal</u>		
No obvious deformity was noted		
The estate and the second		
Case Summary		
30y/o M admitted at A& E, with c/o	Savara progressing Acuta Abdamina	l pain following fatal RTA
Joy/ O M aumitted at Act E, with C/O	severe progressing Acute Abubilina	i pain tonowing tatal NTA

involving head on collision of a truck and a private car 3hrs prior to admission, patient was irritable and confused, with GCS Score 14/15 with no obvious musculoskeletal deformity or external bleeding detected, Vital signs on arrival PR 110bpm, BP 136/115mmHg, RR28bpm and Spo2 98% RA, system examination done was P/A bruising along the waist line, no distension or guarding but severe hypogastric tenderness. Abdominal Aspirations in four abdominal quadrants yielded tea colored peritoneal fluid

suggestive of hemoperitoneum.

Focused investigation (list and attach pertinent labs)

Current Labs					
Test	Result	Reference range	Comments/Interpretation		
Sample removed for blood grouping and crossmatching, and CBC	CBC result had not yet been sent back	NA	Patient was very unstable and agitated was being resuscitated BT started Other test were not requested yet		
Imaging/ Specia	al investigations				
Test desired but a hospital for now	not available in the	Salient findings			
Bed side US machine for Abdo pelvic US scan					
Erect abdominal x-	-ray				
Abdominal CT scan					
MRI Abdominal spine/ myelography					

Provisional Diagnosis:

Blunt Abdominal Trauma with Hemorrhagic Shock

DDx:

- 1) Ruptured Visceral organs (Urinary Bladder/Intestine) and Sheared Abdominal vasculature /mesenteries/omentum.
- 2) Acute Lumbar spinal Injury

In view of:

- 1) Unexplained Hypotension
- 2) Severe Acute Abdominal pain
- 3) Having been involved in a Fatal RTA and wearing a seat belt
- 4) Bruising along waist line

Management Plan

Prepare for Exploratory laparotomy

Call for MO immediately and Surgeon called at 1:00Hrs and arrived at 1:15hrs, MO arrived shortly after the surgeon and so was anesthetist

IV NS0.9% 31 as fast as possible, 500ml hanged up immediately

Book at least 2units of blood and BT with 1 unit now,1 unit of whole blood picked by the intern MO immediately; BT started at 00:45 am the delay was because of lack of blood giving set however patient removed the line shortly.

Oxygen supplement 51/min via nasal prong, connected at 1:15 Hrs. however patient removed. Foot of bed raised to about 30 degrees then

Theatre informed to prepare for Ex- lap. Call made at 00: 15hrs but Anesthetist wasn't within hospital came few Minutes after 1:15hrs,

Then environment was Hot for the Drs as the patient went cold: CPR started at around 1:20hrs However, patient continued to deteriorate in the following 50mins and declared dead after about 30 mins of CPR.

MHSRIP

Limitations

- 1) First Delay in referral by Attendant Patient spent 2 hrs. after RTA before seeking help.
- 2) EMS in the region not activated perhaps due to lack of public awareness
- 3) Lack of supplies like blood giving set in the hospital
- 4) No available mobile or bed side radiological machines like US scanner, mobile Xray Machine and other wishes like CT scan, MRI machines
- 5) Few Human Resources on Ground at all times, a lot of time spent mobilizing DRs, Aneathetist
- 6) Laboratory needed to be operational at full capacity all times
- 7) Knowledge Gap and work burn out for Junior staffs evident., Identification for early signs of Shock, IV access was inadequate even when shock was Identified, patient plucked off the one IV line that was put on arrival, Frequent vital signs monitoring was not done. Long hrs. and few HR at work without rest leads to work burn out.

Postmortem Reports

- 1) Multiple laceration of small intestine
- 2) Tear and shearing of Omentum, mesentaties and grossbruising
- 3) Tear in both Abdominal Aorta and IVC
- 4) Dislodged L4 and L5 vertebrae
- 5) Hemoperitoneum with 2 to 2.5l blood loss and multiple large clots

FINAL DIAGNOSIS

Hemorrhagic Shock from Multiple Abdominal Visceral organs/structure internal bleeding following RTA