





EMS ECHO CASE PRESENTATION

Dr. Nkoyooyo Dauglas

Clinical presentation

PC - Fevers*3/7

HPC – 24/F Seronegative, with a Hx Dx of Acute Myeloid Leukemia, Day 8 of Rx S/P #1 of Cytarabine(5) + Daunorubicin (2)

Presented with a high grade fever initially low grade associated with constitutional symptoms







Primary Survey (Emergency Assessment and Management)

A	Airway	Patent	N/A
В	Breathing	Not in distress, RR=15c/min SPO2=98% (R/A)	N/A
С	Circulation	Severe pallor, Palatal hemorrhages, Tachycardic at 124bpm, Hypotensive with SBP of 86mmHg and DBP of 44mmHg	Grouping and Cross matching Tranexamic acid PLT transfusion Fluid therapy Blood transfusion

Primary Survey (Emergency Assessment and Management)

D	Disability	Alert GCS of 15/15 No FND	N/A
E	Exposure	Febrile, T of 39.2oC	i/v PCM 1g stat







Secondary Survey (Head-to-toe examination)

Head and Neck – Palatal hemorrhages

Chest - N

Upper Limb – N







Secondary Survey (Head-to-toe examination)

Abdomen - N

Genitalia - N

Lower limbs - N







SAMPLE History

S	Sign & Symptom		
A	Allergies	NAD	
M	Medication	Cytarabine (5) Daunorubicin (2)	Day 8 of the cycle

SAMPLE History

P	Past Medical History Past Surgical History FSH	AML FAB M4	
L	Last meal/LNMP	Not documented	
Ε	Events	None	







Problem List

- 1. Fevers
- 2. Tachycardia
- 3. Hypotension
- 4. Palatal hemorrhages
- 5. Hx of Anticancer Rx







Investigations

TEST	RATIO RESULT	UNIT
CREJ2	51 L	umol/L
UREAL	5.6	mmol/L
K	3.77	mmol/L
Na	142	mmol/L
Cl	107.3 30.0 L	mmol/L g/L
	30.0 L	9/1

	Test : CBC+DIFF		
	Parameter	Result	Flag
	WBC:	0.34	Low
	NEUT#:	0.04	Low
	LYMPH#:	0.3	Low
	MONO#:	0.0	Low
EXPECTI	EO#:	0.0	Low
63.	BASO#:	0.0	Low
2.	IG#:	0.01	Low
3.	NEUT%:	11.8	Low
(1:	LYMPH%:	88.2	High
(!	MONO%:	0.0	Low
	EO%:	0.0	Low
΄ Λ	BASO%:	0.0	Low
	IG%:	2.9	Normal
		2.57	Low
	RBC:	7.3	Low
	HGB:	21.3	Low
	HCT:	82.9	Normal
	MCV:	28.4	Normal
·	MCH:	34.3	Normal
	MCHC:	41.1	Normal
	RDW-SD:		Normal
	RDW-CV:	13.7	Low
	NRBC#;	0.0	Low
	NDRC%	0.0	Low

Test : CBC+DIFF			Reference	SI units
Parameter	Result	Flag	(2.80 - 8.20)	x10"/uL
WBC:	0.34	Low	(1.10 - 4.40)	x10°/µL
NEUT#:	0.04	Low	(1.30 - 3.70)	x103/µL
LYMPH#:	0.3	Low	(0.20 - 0.60)	x10×/µL
MONO#:	0.0	Low	(0.04 - 1.40)	x103/µL
EO#:	0.0	Low	(0.01 - 0.07)	x103/µL
BASO#:	0.0	Low	(1.80 - 8.00)	
1G#:	0.01	Low	(23.80 - 61.10)	%
NEUT%:	11.8	Low	(26.50 - 62.00)	y_0
LYMPH%:	88.2	High	(4.40 - 11.40)	%
MONO%:	0.0	Low	(0.75 - 22.60)	%
EO%:	0.0	Low	(0.30 - 1.30)	%
	0.0	Low	(1.80 - 8.00)	%
BASO%:	2.9	Normal	(3.30 - 5.30)	x10"/µL
IG%:	2.57	Low	(9.80 - 16.20)	g/dL
RBC:	7.3	Low	(28.30 - 46.80)	%
HGB:	21.3	Low	(74.00 - 94.50)	fL
HCT:	82.9	Normal		pg
MCV:		Normal	(24.80 - 32.70)	g/dL
MCH:	28.4	Normal	(33.00 - 35.50)	fL.
мснс:	34.3	Normal	(37.00 - 54.00)	%
RDW-SD:	41.1	Normal	(11.00 - 17.30)	76
RDW-CV:	13.7	Low	(1.80 - 8.00)	
NRBC#;	0.0	Low	(1.80 - 8.00)	%
	0.0		(138.00 - 457.00)	x103/µL
NRBC%:	1.0	Low		
PLT:	COR	plete Blood counts		







Management

- 1. SC Pegex 6mg stat
- 2. PLT 1unit
- 3. BLT 1unit
- 4. Antibiotics
 - 1. PISA 4.5g *8* 2/7
 - 2. Daptomycin 500mg OD for 2/7
 - 3. CAF 1g *8/Gentamicin 160mg OD for 3/7







Management

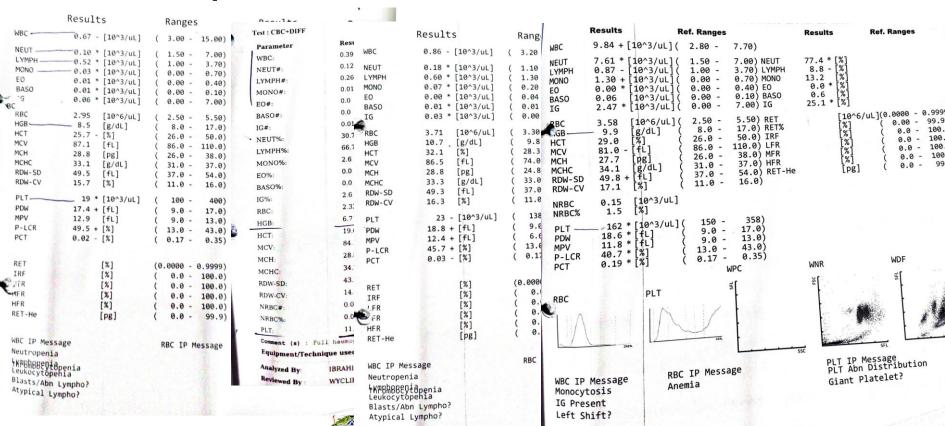
- 1. Antipyretics
 - 1. i/v PCM 1g *8 for 2days
 - 2. PO PCM 1g *8 for 3days
- 2. Fluid therapy
- 3. Tripple therapy
 - 1. Acyclovir 400mg *8
 - 2. Fluconazole 200mg OD
- 4. Tranexamic acid: 1/v 1g stat, then PO 500mg *12
- 5. 4hourly monitoring of the Axillary temperature







Follow-up



THE REPUBLIC

Disposition Plan

- 1. Got better on Rx
- 2. Achieved Remission Induction
- 3. Currently on Consolidation







Thank you