

Details of 4 short emergency care courses undertaken in Liberia

ESS-EMNH course Essential Surgical Skills-Emergency Maternal and Neonatal health

Programmes for the EMNH courses July 2014

ESS-Emergency Maternal and Neonatal Health Course

Faculty	
	Co-ordinator

Course Number 1: Day 1

Time:	Session Title:		Faculty Allocation:	
0900 – 0930	Arrival, registration and photographs			
0930 –0945	Welcome, introduction and objectives of the course. Life- saving skills: mothers and babies.			
0945 – 1015	MCQs			
1015– 1030	Putting emergency care of mothers and newborn infants into context in Liberia.			
1030 -1100	Break			
1100 – 1125	Structured approach to emergencies in mother and newborn			
1125 – 1140	Airway and Breathing management in the mother : Lecture			
1140 – 1200	Resuscitation at birth: Lecture with demonstration			
1200 – 1400	Skills with hands -on practice: -			
Time	1200– 1300		1300 – 1400	
Airway/Breathing Mother	Red		Blue	
Airway/Breathing Mother	Green		Yellow	
Resuscitation at birth	Blue		Red	
Resuscitation at birth	Yellow		Green	
1400 – 1445	Lunch			
1445 – 1645	Workshops			
Time:	1445 – 1515	1515 - 1545	1545 – 1615	1615 – 1645
Triage	Red	Blue	Green	Yellow
Twin delivery	Blue	Green	Yellow	Red
Infection control; HIV/Hepatitis	Green	Yellow	Red	Blue
Blood transfusions	Yellow	Red	Blue	Green
1645-1700	Serious medical illnesses in pregnancy			
1700-1730	Faculty meeting			

Course Number 1: Day 2

Time:	Session Title:			Faculty Allocation:
0900 – 0920	Shock in pregnancy			
0920 – 0940	Massive obstetric haemorrhage			
0940 -1010	Refresher on resuscitation at birth			
Time	0940 - 1010			0940 - 1010
Resuscitation at birth refresher	Faculty:			Faculty:
Resuscitation at birth refresher	Red plus green			Blue plus yellow
1010 - 1040	Break			
1040 – 1110	Demo scenario on life threatening PPH			Instructor: Candidate: Commentator:
1110 – 1130	Recognising and managing neonatal illness + video			
	Scenarios:			
Time	1130-1200	1200-1230	1230-1300	1300-1330
<i>Scenarios: Station 1</i> Neonatal illness	Red	Blue	Green	Yellow
<i>Scenarios: Station 2</i> Massive haemorrhage: PPH APH	Blue	Green	Yellow	Red
<i>Scenarios: Station 3</i> Neonatal illness	Green	Yellow	Red	Blue
<i>Scenarios: Station 4</i> Shock due to puerperal sepsis	Yellow	Red	Blue	Green
1330 – 1430	Lunch			
1430 - 1450	Severe pre-eclampsia Eclampsia Lecture			
1450 – 1505	Complications of early pregnancy Lecture			
1505 – 1535	Demo scenario on ruptured ectopic pregnancy			Instructor: Candidate: Commentator :
1535 – 1705	Skills: Circulation: Cut down trainer, and instructor's external jugular vein Workshop/skills: eclampsia			
TIME	1535-1620		1620 – 1705	
External jugular access and long saphenous vein cut down and IO needle plus video	Red		Blue	
Eclampsia workshop	Blue		Red	
External jugular access and long saphenous vein cut down and IO needle plus video	Green		Yellow	
Eclampsia workshop	Yellow		Green	

1730 – 1800	Faculty meeting	

Course Number 1: Day 3

Time	Session Title		Faculty Allocation	
			Instructor : Candidate: Commentator :	
			Instructor : Candidate : Commentator :	
	Break			
	Delivery-related skills			
Time	1030 –1100	1100 – 1130	1130 – 1200	1200 – 1230
Vaginal breech	Red	Blue	Green	Yellow
Cord prolapse	Blue	Green	Yellow	Red
Shoulder dystocia	Green	Yellow	Red	Blue
PPH Procedures	Yellow	Red	Blue	Green
1230 – 1315 1315 - 1400	MCQs Lunch including informal refresher on neonatal resuscitation			
1400 - 1420	Demo scenario: eclampsia		Instructor : Candidate : Commentator :	
TIME	1420 - 1450		1450 – 1520	
1420 - 1520	Scenarios			
Eclampsia /severe pre-eclampsia	Red		Green	
Eclampsia/severe pre-eclampsia	Blue		Yellow	
Ectopic pregnancy/ Miscarriage/APH	Green		Red	
Ectopic pregnancy/ Miscarriage/APH	Yellow		Blue	
1520- 1620	Test scenarios (10 mins): 1=PPH;2=Eclampsia;3=Resus at birth			
1620– 1700	Faculty meeting/Tea			
1700 -1730	Log books, record keeping, transfer notes:			
1730 - 1800	Closing ceremony; bag valve masks, pocket books, Platform of videos and documents on emergency maternal, neonatal and child healthcare		All Faculty	

Neonatal care course

DAY 1					Instructor
0700 - 0800	Devotions / Breakfast				
0800 - 0830	Faculty Meeting				All
0830 - 0900	Registration and Photos				All
0900 - 0915	Welcome, Introductions, What to expect from the course				CD
0915 - 0930	Putting care of newborns into context in Liberia				BS
0930 - 1000	Skin to Skin Mother Care				MS
1000 - 1030	Infection Control and hand washing demonstration				NE
1030 - 1100	BREAK				
1100 - 1130	Nutrition and Feeding				TE
1130 - 1250	Workshop / Skills stations 1. Skin to Skin Mother Care – Instructor Group 1 2. Keeping babies warm – Instructor Group 2 3. Breastfeeding Problems – Instructor Group 3 4. Pain control – Instructor Group 4				CR/GA/BS JM/TE/CD JBJ/BH/M S CG/GN/NE
Group	Yellow Cand 1-6	Blue Cand 7-12	Pink Cand 13-18	Green Cand 19-24	
1130-1150	S2SMC	BREASTFEEDING	KEEPING BABIES WARM	PAIN	
1150-1210	PAIN	S2SMC	BREASTFEEDING	KEEPING BABIES WARM	

1210-1230	KEEPING BABIES WARM	PAIN	S2SMC	BREASTFEEDING	
1230-1250	BREASTFEEDING	KEEPING BABIES WARM	PAIN	S2SMC	
1300 - 1345	LUNCH				
1345 - 1430	Resuscitation at birth				GN
1430 - 1500	Demo – Resuscitation				BH+MS
1500 - 1515	Break				
1515 - 1645	Resuscitation Skill learning Bag + Mask Technique 1 person BVM inflation breaths only, No chest compressions 1 person BVM inflation + maintenance 2 person BVM and chest compressions				
	Instructor Group 1		Yellow Group		CR/GA/BS
	Instructor Group 2	Blue Group	JM/TE/CD		
	Instructor Group 3	Pink Group	JBH/BH/MS		
	Instructor Group 4	Green Group	CG/GN/NE		
1645 - 1700	Meet Mentees				
1700 - 1715	Faculty Meeting				

DAY 2		
0700 – 0800	Devotions / Breakfast	
0800 - 0830	Faculty Meeting	ALL
0830 - 0845	Registration / Meet Mentees	ALL
0845 - 0915	Infection	GA
0915 - 0945	Respiratory	CD

0945 - 1015	Convulsion				BS
1015 - 1045	BREAKFAST				
1045 - 1145	Workshop for everyone on oxygen / oxygen concentrator and pulse oximeter / bubble CPAP				Local technician
1145 - 1245	Workshop / Skills stations 1. Recognising the Sick Infant – Instructor Groups 1 & 3 2. IV antibiotics & Drug Calculation – Instructor Groups 2 & 4				CR/GA/BS & JM/TE/CD JBJ/BH/MS & CG/GN/NE
Group	Yellow Cand 1-6	Blue Cand 7-12	Pink Can 13-18	Green Cand 19-24	
	Sick infant	Drug Calc	Sick Infant	Drug Calc	
	Drug Calc	Sick Infant	Drug Calc	Sick Infant	
1245 – 1330	LUNCH				
1330 – 1415	Jaundice				MS
1415 - 1445	The Small Baby				NE
1445 – 1515	The baby who won't live long				GN
1515 – 1530	Break				
1530 – 1700	Simulations 1. Infections / Feeding - Instructor Group 1 2. Jaundice / Infection - Instructor Group 2 3. Small Baby / Respiratory - Instructor Group 3 4. Convulsion / Hypoglycaemia - Instructor Group 4				CR/GA/BS JM/TE/CD JBJ/BH/MS CG/GN/NE
	Yellow Cand 1-6	Blue Cand 7-12	Pink Can 13-18	Green Cand 19-24	
1530 - 1600	1	4	3	2	
1600 - 1630	2	1	4	3	
1630 - 1700	3	2	1	4	
1700 - 1730	4	3	2	1	
1730 – 1745	Meet Mentors				
1745 – 1800	Faculty Meeting				

DAY 3					
0700 – 0800	Devotion / Breakfast				
0800 - 0830	Faculty Meeting				ALL
0830 - 0845	Registration / Meet Mentees				ALL
0845 - 1045	Simulations 5. Infections / Feeding - Instructor Group 1 6. Jaundice / Infection - Instructor Group 2 7. Small Baby / Respiratory - Instructor Group 3 8. Convulsion / Hypoglycaemia - Instructor Group 4				CR/GA/BS JM/TE/CD JBJ/BH/MS CG/GN/NE
	Yellow Cand 1-6	Blue Cand 7-12	Pink Can 13-18	Green Cand 19-24	
0845 – 0915	5	8	7	6	
0915 – 0945	6	5	8	7	
0945 – 1015	7	6	5	8	
1015 - 1045	8	7	6	5	
1045 - 1115	Break				
1115 - 1145	MCQ				
1145 – 1230	Exam Scenarios				
1230 – 1300	Presentations and close				

Emergency Child Health and Trauma Course (ECTH)

<u>COURSE PROGRAMME: DAY 1</u>						
08.00 – 08.30		Faculty meeting {instructors only}				
08.30 – 09.00		Registration and photos				
09.00 – 09.20		Welcome and introduction: scene setting/ what to expect from the course				
09.20 – 09.45		Recognition of the seriously ill child				
09.45 – 10.05		ABC (structured) approach to emergencies: including photos/short videos of ABCD skills				
10.05 – 10.30		Coffee and Breakfast				
10.30 – 12.30		Airway and Breathing skill stations (2 x 30 minutes) Circulatory access skill stations (2 x 30 minutes)				
Station	10.30 – 11.00	11.00 – 11.30	11.30 – 12.00	12.00 – 12.30		
A&B 1*	A	D	C	B		
A&B 2*	B	A	D	C		
C 1*	C	B	A	D		
C 2*	D	C	B	A		
* A&B 1 = airway opening, suction, guedel A&B 2 = oxygen mask use, BVM, (concentrator use, pulse oximeter, if available) C 1 = Cut down C 2 = intraosseous, external jugular, NG tube insertion						
12.30 – 12.45		Respiratory problems				
12.45 – 13.00		Shock				
13.00 – 13.30		Workshops: illness (part one)				
Station		13.00 – 13.30				
Life threatening airway problems		A				
Life threatening chest problems		B				
Shock and dehydration in gastroenteritis		C				
Shock in septicaemia and anaphylaxis		D				
13.30 – 14.30		Lunch including prayers				
14.30 – 16.00		Workshops: illness (part two)				
Station		14.30 – 15.00	15.00 – 15.30	15.30 – 16.00		
Life threatening airway problems		D	C	B		
Life threatening chest problems		A	D	C		
Shock and dehydration in gastroenteritis		B	A	D		

Shock in septicaemia and anaphylaxis	C	B	A	
16.00 – 16.15	Break			
16.15 – 16.35	Coma and convulsions			
16.35 – 16.45	Poisoning and envenomation			
16.45 – 17.45	Workshops			
Station	16.45 – 17.15	17.15 – 17.45		
Coma and convulsions include meningitis, hypoglycaemia and cerebral malaria	A	C		
Coma and convulsions include meningitis, hypoglycaemia and cerebral malaria	B	D		
Pain recognition and management include splinting	C	A		
Pain recognition and management include splinting	D	B		
17.45 – 18.15	Faculty Meeting {instructors only}			

<u>COURSE PROGRAMME: DAY 2</u>				
09.00 – 09.30		Welcome and illness scenario demonstration		
09.30 – 10.30		Illness scenarios (part one)		
Station		09.30 – 10.00	10.00 – 10.30	
1		A	D	
2		B	A	
3		C	B	
4		D	C	
10.30 – 11.00		Breakfast		
11.00 – 12.00		Illness scenarios (part two)		
Station		11.00 – 11.30	11.30 – 12.00	
1		C	B	
2		D	C	
3		A	D	
4		B	A	
12.00 – 12.30		ABC approach to the injured child		
12.30 – 12.50		Chest and abdominal injuries		
12.50 – 13.20		Skill station/workshop (part one)		

Station		12.50 – 13.20			
Thoracocentesis, video of chest drain insertion, surgical airway		A			
Thoracocentesis, video of chest drain insertion, surgical airway		B			
Child abuse recognition and management		C			
Child abuse recognition and management		D			
13.20 – 14.20		Lunch and prayers			
14.20 – 14.50		Skill station/workshop (part two)			
Station		14.20 – 14.50			
Thoracocentesis, video of chest drain insertion, surgical airway		C			
Thoracocentesis, video of chest drain insertion, surgical airway		D			
Child abuse recognition and management		A			
Child abuse recognition and management		B			
14.50 – 15.15		Burns and drowning			
15.15 – 15.30		Head injuries			
15.30 – 15.45		Break			
15.45 – 17.45		Skill stations/workshops			
Station	15.45 – 16.15	16.15 – 16.45	16.45 – 17.15	17.15 – 17.45	
Burns assessment and management inc electrical	A	B	C	D	
Case discussions abdominal and head injuries	B	A	D	C	
Choking Management / Drowning inc BLS at waterside	C & D		A & B		
17.45 – 18.15	Faculty meeting {instructors only}				

<u>COURSE PROGRAMME: DAY 3</u>					
09.00 – 09.30		Welcome and trauma demonstration			
09.30 – 10.00		Trauma scenarios (part one)			
Station	09.30 – 10.00				
1	A				
2	B				
3	C				
4	D				
10.00 – 10.30		Breakfast			
10.30 – 12.00		Trauma scenarios (part two)			
Station	10.30 – 11.00	11.00 – 11.30	11.30 – 12.00		
1	D	C	B		
2	A	D	C		
3	B	A	D		
4	C	B	A		
12.00 – 12.30		Reflection: taking the course back to the workplace			
Station					
1	A				
2	B				
3	C				
4	D				
12.30 – 13.00		Feedback on reflection session to whole group			
13.00 – 14.15		Lunch and prayers			
14.15 – 15.00		Testing: MCQ (30 minutes)			
15.00 – 16.00		Testing: Scenarios			
Time	Station 1	Station 2	Station 3	Station 4	
15.00 – 15.10	1	2	3	4	
15.10 – 15.20	5	6	7	8	
15.20 – 15.30	9	10	11	12	
15.30 – 15.40	13	14	15	16	
15.40 – 15.50	17	18	19	20	
15.50 – 16.00	21	22	23	24	
16.00 – 16.30		Faculty meeting			
16.30 – 17.00		Conclusion, certificates, logbooks, platform of videos and manuals thanks			

GIC Generic Instructor Course ESS-EMNH/ECTH Instructor Course -

Instructors	
Director	NN
Faculty	NN
Coordinator	NN
Educator	NN

Day One

Time		Learning Outcomes
10.30 - 11.00	Faculty Meeting Registration & Coffee	
11.00 - 11.15	Mentor group meetings	
11.15 - 11.30	Introduction and Welcome JC	
11.30 - 12.30	Adult Learning ~ Educator BP	By the end of this session you should be able to: - Describe your own personal learning style - Identify some factors that might facilitate your own learning - Recognise that other individuals are likely to have different learning preferences - Think of ways of planning teaching and learning to suit a variety of learning styles
12.30 - 13.15	Lunch	
13.15 - 14.15	Equipment familiarisation All faculty (3 x 20 minute rotations)	By the end of this session you should be able to assemble and safely use: - Manikins - Heartsims - Defibrillators By the end of this session you should be able to set up and effectively use: - An overhead projector - A slide projector - A PowerPoint projector (if available)
14.15 - 14.45	Lecturing BP <u>Demonstration Lecture & Critique</u> BH Lecture critique and discussion BP Educator	By the end of this session you should be able to: - Critically observe a 5 minute lecture and identify its principal features and the 3 phases of set, dialogue and closure - Comment on these features in providing positive feedback - Discuss the lecture as a teaching method, identifying its strengths and weaknesses
14.45 - 15.15	Skills Teaching BP Demonstration Skill Station+Critique JC	By the end of this session you should be able to: - Observe, describe and apply the four stage approach to skills teaching - Discuss the main educational features of the four stage approach to skills teaching

	Critique and discussion ~ Educator BP	
15.15 - 15.30	<i>Refreshment Break</i>	

15.30 - 18.00	Practice Stations: lectures and skills teaching		
Station/Time	15.30 - 16.45	16.45 - 18.00	Faculty
Lecture	A	A	BH, LM
Skill Teaching	B	B	JC, BP

18.00 - 18.15	Mentor Meetings	
18.15 - 18.45	Faculty Meeting	

Day Two

Time		Learning Outcomes
08.30 - 08.45	Mentor Meetings	
08.45 - 09.45	Closed and Open Discussions BP <u>Demonstration Closed Discussion and Critique JC</u> <u>Critique and discussion ~ Educator BP</u>	By the end of these sessions you should be able to: - Recognise the two different types of approaches to group discussion - Compare and contrast the relative merits and application of closed and open discussion - Plan group discussions, based on a universal structure for teaching - Recognise and apply appropriate techniques for facilitating and controlling the group
09.45 - 10.15	Teaching scenarios and role playing BP Demonstration Teaching Scenario and Critique JH LM <i>Critique and discussion ~ Educator BP</i>	By the end of this session you should be able to: - Discuss the application of role play and scenario teaching - Recognise the important features of role play and scenario in resuscitation teaching - Both organise and take part in role plays and scenarios
10.15 - 10.30	<i>Refreshment Break</i>	

10.30 - 13.00	Practice Stations: closed discussions and scenario teaching		
Station/Time	10.30 - 11.45	11.45 - 13.00	Faculty
Scenario Teach	A	B	BP, BH
Closed discussion	B	A	JC, LM

13.00 - 13.45	Lunch		
13.45 - 14.30	Assessment: skills and scenarios BP <i>Demonstration Skill Testing and Critique BH</i> Demonstration Scenario Testing and Critique JC, LM		By the end of this session you should be able to: - Describe the basic principles of assessment - Critically discuss the key issues surrounding assessment, especially with regard to making pass/fail decisions and informing candidates of these decisions

	Critique and discussion ~ Educator BP	Begin to apply these principles to the skills and competencies covered on provider courses
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14.30 - 17.15	Practice Stations: assessment of skills and scenarios			
Station/Time	14.30 - 15.45	15.45 - 16.00	16.00 - 17.15	Faculty
Skills Assess	A	Refreshment break	B	LM, BP
Scenario Assess	B		A	JC, BH

17.15 - 17.45	For candidates: "Role of the Instructor" Open Discussion led by Course Director and Course Co-ordinator JC, JA	By the end of this session you should have: Discussed the role of the instructor (through open discussion), facilitated by the Course Director
17.45 - 18.15	COFFEE and Faculty Meeting	
18.15 - 18.45	Mentor feedback individually	All faculty
18.45 - 19.00	Feedback in main lecture room	All faculty
19.00	Course closure	All faculty