

Emergency & Trauma Care Training Course Suggested Timetable

Basic Trauma, Anaesthesia & Surgical Skills for Frontline Health Providers

These course modules can be conducted over weeks or months according to local needs, not necessarily in two days.

Day 1	
09:00-09:25	<p>Introduction</p> <ul style="list-style-type: none"> Opening remarks: This course is about managing trauma, from minor injury to catastrophic disaster situations, including care for women, children and the elderly, with the goal of improving quality of care and patient safety. Introduction of the instructors, participants, and course timetable. Presentation of the WHO Integrated Management for Emergency and Essential Surgical Care (IMEESC) toolkit for frontline health providers, medical and nursing education, training programmes, and policy makers
09:25-09:55	Pre-test
09:55-10:00	Break
10:00-11:00	<p>Module: 1 Principles and Techniques of Trauma Care</p> <ul style="list-style-type: none"> Triage Primary survey and ABCDE's Pleural decompression for tension pneumothorax Chest tube insertion Glasgow Coma Scale Secondary Survey
	<ul style="list-style-type: none"> Urinary catheter placement Pulse oximetry Patient Referral and Transfer <p>Practical Session: Role Play:</p> <ol style="list-style-type: none"> Triage Primary Survey and ABCDE's Acute Management of Hemorrhage Secondary Survey
	Break
11:15-12:45	<p>Module 1 continued</p> <p><i>Emergency Procedures</i></p> <ul style="list-style-type: none"> Oxygen supplementation Intravenous access and maintenance Fluids and medicines Cricothyroidotomy <p><i>Trauma in Children</i></p> <ul style="list-style-type: none"> Intraosseous access Vascular cut down Shock resuscitation protocol <p><i>Trauma in the Elderly</i></p>
	<p>Practical Session:</p> <ol style="list-style-type: none"> Demonstrate oxygen cylinder or oxygen concentrator Demonstrate intravenous access Demonstrate venous cut down Demonstrate anatomical landmarks for chest decompression and cricothyroidotomy Poster Handout: Patient referral checklist
12:45-14:00	Lunch Break
14:00-15:00	<p>Module 2: Basic Surgical Skills</p> <p><i>Infection Control</i></p> <ul style="list-style-type: none"> Hand washing Surgical scrubbing HIV and other infection prevention protocols <p><i>Gowning and Gloving</i></p> <p><i>Instruments</i></p>
	<p>Practical Session:</p> <ul style="list-style-type: none"> Role Play: <ol style="list-style-type: none"> Poster Handout: Hand washing and surgical scrubbing Demonstrate infection prevention techniques Demonstrate gowning and gloving Demonstrate scalpel/forceps
15:00-15:15	Break
15:15-17:00	<p>Module 2 continued</p> <p><i>Wound management</i></p> <p><i>Antibiotic and Tetanus prophylaxis</i></p>
	<p><i>Cellulitis and Abscess</i></p> <p><i>Epistaxis</i></p> <p>Practical Session:</p>

Suturing techniques
Specific Lacerations
Foreign bodies
Acute Burns

1. Demonstrate suturing techniques
2. Handout: Prevention and Management of Wound Infection

Day 2

09:00-10:15	Module 3: System Specific Trauma <i>Central Nervous System</i> <ul style="list-style-type: none"> • Head injuries • Spinal and spinal cord injuries <i>Thoracic Trauma</i> <ul style="list-style-type: none"> • Assessment • In children 	Practical Session: <ol style="list-style-type: none"> 1. Demonstrate Glasgow Coma Score: <ol style="list-style-type: none"> a) Eyes b) Verbal c) Motor 2. Demonstrate Motor and Sensory examination 3. Demonstrate Chest Examination
10:15-10:30	Break	
10:30-11:30	Module 3 continued <i>Abdominal Trauma</i> <ul style="list-style-type: none"> • Assessment • Blunt trauma • Penetrating trauma 	<i>Female Genital Injuries</i> <ul style="list-style-type: none"> • Childbirth injuries • Female genital mutilation Practical Session: <ol style="list-style-type: none"> 1. Demonstrate Abdominal Examination
11:30-11:45	Break	
11:45-12:45	Module 3 continued <i>Musculoskeletal Trauma</i> <ul style="list-style-type: none"> • Open fractures • Casts and splints • Traction techniques • Closed management of selected fracture/dislocations • Compartment syndrome. 	Practical Session: <ol style="list-style-type: none"> 1. Demonstrate splint and cast applications with local adaption 2. Demonstrate traction techniques 3. Role play and demonstration of hip and shoulder reduction 4. Demonstrate surgical landmarks for compartment syndrome
12:45-14:00	Lunch Break	
14:00-14:45	Module 4: Practical Anaesthetic Care <i>Pre-anaesthetic checklist</i> <i>Techniques-Local, Ketamine, Spinal Anaesthesia in emergency situations</i> <i>Monitoring</i> <i>Post-anaesthesia checklist</i> <ul style="list-style-type: none"> • Post-operative management 	<ul style="list-style-type: none"> • ICU • Pain management Practical Session: <ol style="list-style-type: none"> 1. Poster Handout: Checklist 2. Demonstrate anatomic landmarks for spinal anaesthesia 3. Poster Handout: Post-operative care
14:45-15:00	Break	
15:00-16:00	Module 5: Surgical Care Systems <i>Organizational Management</i> <i>Leadership and team skills</i> <i>Ethics</i> <i>Monitoring and evaluation</i> <i>Disaster management</i> <ul style="list-style-type: none"> • Trauma response plan 	<ul style="list-style-type: none"> • Trauma team activation • WHO Essential Emergency Equipment List Practical Session: <ol style="list-style-type: none"> 1. Poster Handout: Trauma activation 2. Handout: Disaster Management 3. Handout: Essential Equipment List
16:00-16:15	Conclusion <ul style="list-style-type: none"> • Recommendations and action plan for improvement in quality of emergency trauma care • Closing remarks 	
