



Emergency Medicine Society of South Africa

**PRACTICE GUIDELINE
EM004**

EMERGENCY CENTRE EQUIPMENT

This Practice Guideline sets out the minimum recommended equipment for an Emergency Centre.

It should be read in conjunction with Practice Guideline EM005: Recommended Drugs for Emergency Centres.

Excluding the cover page, this Practice Guideline is **4** pages.

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DEVICES TO OPEN AND PROTECT AIRWAY	
Laryngoscope set	handle with adult & paediatric blades, spare bulbs & spare batteries
Tracheal tubes	uncuffed (sizes 2.5 – 5.5mm)
	cuffed (sizes 3.0 - 8.5mm)
Water-soluble lubricant / KY jelly	
10 ml syringe	
Tape or equivalent to tie tube in place	
Meconium adaptor / aspirator	
Oropharyngeal airways	sizes 000 - 5
Nasopharyngeal airways	sizes 3 – 7
Tracheostomy tubes	sizes 00 – 6
DEVICES TO CONFIRM TRACHEAL INTUBATION	
Oesophageal detector device	
End tidal CO ₂ monitoring	include single use colorimetric devices
EQUIPMENT FOR DIFFICULT INTUBATION	
Introducers for ET tubes	adult & paediatric stylets
Magill's forceps	adult & paediatric
Laryngeal masks	sizes 1 – 5
Cricothyroidotomy set	
Gum elastic bougie	adult & paediatric
DEVICES TO DELIVER OXYGEN AND TO VENTILATE PATIENTS	
Bag valve ventilation devices	with oxygen reservoir & adult, paediatric & neonatal masks
Oxygen delivery devices	partial rebreather masks, nebulizer masks, nasal prongs and T-piece
Oxygen supply	with flow regulator and oxygen tubing
Portable ventilator	
PEEP valve	with adaptor for bag valve device
EQUIPMENT FOR DECOMPRESSION OF THE THORAX	
Chest decompression sets	minimum of a 14G Jelco
Intercostal drains	sizes 10 – 36
	with scalpel, dissecting forceps, bottles

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EQUIPMENT TO DIAGNOSE AND TREAT CARDIAC DYSRHYTHMIAS	
ECG monitor defibrillator	with conductive paste or pads, paddles, electrodes & razor
12 lead ECG monitor	
Cardiac arrest board	
Transcutaneous pacing ability	
DEVICES TO GAIN INTRAVASCULAR ACCESS	
I.V. cannulae	14-24G and appropriate strapping
Packs and lines for central venous access	
Needles and syringes	1-50ml
Sharps container	
Paediatric intraosseous needles	
Adult intraosseous needles	or bone marrow needles
High flow infusion catheters	8.5F
EQUIPMENT FOR THE SAFE INFUSION OF FLUIDS AND BLOOD	
I.V. administration sets	including blood administration sets, high flow sets & buretrol
Fluid warmer	
Umbilical vein catheters	
EQUIPMENT FOR MONITORING AIRWAY, BREATHING AND CIRCULATION	
Stethoscope	
Pulse oximeter	with adult & paediatric probes
Non invasive blood pressure monitoring device	including paediatric & large adult cuff sizes
Thermometer	including low reading capability
Blood glucose testing	
Collection tubes for investigations	
Automatic blood pressure device	with battery back-up
Doppler	

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APPROPRIATE HARDWARE	
Heavy duty scissors to cut clothing	
Drip stand or equivalent hanging device	
Suction devices and suction catheters	rigid & flexible tips
Paediatric Broselow tape	
Therapeutic heating source	
Fixation devices	adult & paediatric semi-rigid cervical collars
	head blocks,
	spine boards
	restraining devices
	blankets & towel rolls
Universal precautions	gloves, goggles, gowns & face masks
Maternity delivery pack	
Cord clamps	
Suture material	
Resuscitation trolley	capable of high Fowlers and Trendelenberg
Limb traction device	
Wire cutters	
Vacuum mattress, Scoop stretcher	
Thoracotomy set	
APPROPRIATE TUBES AND CATHETERS	
Urinary catheters	sizes 8 - 18
Nasogastric tubes	sizes 5 - 18
Drainage bags	
Lumbar puncture set	
Medication stickers	
Resus Council Algorithms	
Resuscitation documentation record	

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