



Royal Flying Doctor Service
WESTERN OPERATIONS

Clinical Manual

Part 5 Standard Aircraft Minimum Equipment List

Version 6.0
January 2013

Royal Flying Doctor Service Western Operations

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Clinical Manual - Part 5 – Standard Aircraft Minimum Equipment List

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STANDARD AIRCRAFT MINIMUM EQUIPMENT LIST

	SIZE	QTY	COMMENTS
AIRWAY & BREATHING			
Basic airway equipment			
Oropharyngeal Airways	4	2	With airway roll and in BVM case
	3	2	
	2	2	
	1	2	
	0	2	
Nasopharyngeal Airways	8	1	
	7	1	
	6	1	
Self-inflating adult bag-valve-mask assembly with reservoir bag and tubing.		1	eg Laerdal Silicone Resuscitator
Self-inflating child bag-valve assembly		1	Laerdal Child SR
BVM case		1	Laerdal Display Case
Demand resuscitator CIG with flow control or MTV-100		1	
Resuscitation masks	5	1	Suit BM or Demand Resuscitator
	4	1	
	3	1	
	2 (donut)	1	
	1 (donut)	1	
Oxygen & suction			
Oxygen (aircraft supply plus optional D cylinders)		3000 6000 litres	-
Portable oxygen supply	D	1600 litres	Removable from aircraft for field use
"O" series regulators		1 - 3	One per cylinder (removable)
Oxygen outlets		2 - 4	One per patient
Oxygen flowmeters CIG		2 - 4	One per available outlet up to 4
Oxygen cylinder key		1	
Twin-O-Vac venturi suction		2	
Yankauer rigid disposable sucker		2	
Suction tubing 2 metres		2	
Y-suction catheters	8	2	
	10	2	
	12	2	
	14	2	
Suction taps		2-3	
Disposable suction canisters & inserts		2-3	
In-line suction catheter	12	2	
	14	2	
Oxygen delivery			
Oxygen catheters	6F	1	
	8F	1	
Nasal prongs	Adult	1	
	Child	1	

	SIZE	QTY	COMMENTS
Simple (Hudson) face masks with tubing	Adult	4	
	Child	2	
Non-rebreather masks with reservoir bag	Adult	2	
Non-rebreather mask with reservoir bag	Child	2	
Spare extension oxygen tubing & graduated connector	5 metres	1	
Nebuliser masks	Adult	2	
	Child	2	
Nebuliser attachment - ventilator circuit		1	To be kept with ventilator
Disposable paediatric circuit		1	May be kept with ventilator
Emergency Airway Kit			
Melker cuffed emergency cricothyroidotomy catheter set	5.0mm	1	
14G Insyte cannula and 10mL syringe		1	
10mL syringe		1	
Portex Tracheostomy tube 6.0mm		1	
Disposable scalpel (No. 11 blade)		1	
LMA Fastrach (intubating LMA)	4	1	
LMA Fastrach ET tube	7.0	1	
Enk oxygen flow modulator set		1	
KingVision videolaryngoscope		1	In case
KingVision channelled blade		1	
Intubation equipment			
Laryngoscope handles (standard C size, non-fibreoptic)	Medium	2	(One may be carried with ventilator accessories).
Laryngoscope blades Macintosh (standard, non-fibreoptic)	Large	1	
	Medium	1	
	Child	1	
Neonatal laryngoscope blade Miller straight	Neonate	1	
Spare batteries for laryngoscope	"C" cells	2	
Spare bulbs for laryngoscope		2	
Magill's forceps	Adult	1	
	Child	1	
Introducers ("Satin slip")	Adult	1	
	Child	1	
Disposable catheter mount		1	
Cloth tape 1cm width, 1 metre length		2	
Heat & moisture exchanger with bacteriostatic filter	Adult	1	eg Humidivent
	Child	1	
Heat & moisture exchanger "T" piece "Swedish Nose"		1	To be kept with ventilator
Oxygen attachment clip for "Swedish Nose"		1	To be kept with ventilator
KY jelly (sterile sachets)		2	
Endotracheal tubes – cuffed	6	1	Portex connectors, sterile
	7	1	
	8	1	
	9	1	
	6	1	Kimberley-Clarke "Microcuff", sterile

	SIZE	QTY	COMMENTS
	5	1	
	4	1	
	3.5	1	
Endotracheal tubes - uncuffed	3	1	
	2.5	2	
FROVA bougie		1	
Rapifit adaptor for FROVA bougie		1	
Laryngeal mask airways	1	1	"Unique"
	2	1	"Unique"
	3	1	Pacmed "Supreme"
	4	1	Pacmed "Supreme"
	5	1	Pacmed "Supreme"
10 mL syringe		1	
Normal saline	10mL	1	
Small artery forceps (guarded)		1	
Chest drainage equipment			
Intercostal catheters (Argyle) with trocar	32F	2	
	24F	2	22F not available
	10F	2	
Pneumostat drain (small)		2	
Atrium "Express" drain	500ml	1	
Graduated connectors		2	
Short sterile connector tubing 5cm		4	
Large guarded artery clamps		2	Clamping ICC's
CIRCULATION			
Intravenous access			
Angiocaths (unprotected)	14G Long	2	Long - needle thoracocentesis
Intravenous cannulae Braun Vasofix Safety self sheathing	14G Short	2	Short - vascular access
	16G	2	
	18G	2	
	20G	2	
	22G	2	
	24G	2	
Scalp veins (butterfly sets)	21G	2	
	25G	2	
Intraosseous needle (Cook) metal hub		1	
EZI-IO drill		1	
EZI-IO needle	15mm	1	
	25mm	1	
	45mm	1	
Central venous catheter set (triple lumen)		1	Propaq extras box
Umbilical catheter set	3.5	1	
	5	1	
CVP manometer set		1	Retain at base
Pericardiocentesis needle (14G long spinal needle)		1	
IV cannulae injection ports (needle-free)		6	Smartsite

	SIZE	QTY	COMMENTS
Three-way taps, screw lock		2	
Multiflow adaptors (1:3)		1	
Extension tubing (75 cm) Luer Lock		1	Also with syringe drivers
Tourniquets, elastic, plastic clip		2	
Adhesive sterile dressings		6	eg Cutiplast
Razor (disposable)		1	
Splints - cubital fossa		2	
- forearm (adult)		1	
- forearm (child)		1	
Arterial lines			
Radial Artery Catheterisation Set [Arrow "Quickflash" RA-04220]	20g x 1-1/2 inch.	1	Propaq extras box
Intravenous cannulae (unprotected)	20g	2	Propaq extras box
IV administration			
Blood transfusion set (with hand pump)		3	
Giving set with Y-injector sites		2	ALARIS lines
Paediatric chamber (burette)		1	
Pressure bags with gauge		3	Suitable arterial or IV lines.
IV fluids			
Polygeline (Haemaccel/Gelofusine)	500 mL	4	
Normal Saline	500 mL	4	
Dextrose 5%	500 mL	2	
2.5% Dextrose +1/2 Normal Saline	500 mL	1	
10% Dextrose	500 mL	1	
Mannitol 20% (100G)	500 mL	1	Stored with IV fluids but also cross-referenced on drug list
IV additive labels		10	
Hartman's solution	500ml	2	
Normal Saline bag	100ml	2	
5% Dextrose	100ml	1	
Syringes & needles			
Syringes	50 mL	2	And with syringe drivers
	20 mL	6	
	10 mL	6	
	5 mL	6	
	2 mL	6	
	1 mL	6	
Luer lock caps (for syringes)		6	
Isopropyl alcohol wipes		20	Quantities consolidated
Needles - 18/19 G blunt drawing up	18/19G	6	
	21 G	6	
	23 G	6	
	25 G	6	
DRESSINGS			
Triangular bandages		2	
Field dressings OR		4	

	SIZE	QTY	COMMENTS
large combines + 10cm crepe bandages			
Crepe bandages /elastic conforming	15 cm (6")	2/2	
	10 cm (4")	2	
	5 cm (2")	2	
Small combines		2	
Non-stick wound dressings (eg Melolin)	Large	2	
Gauze swabs		6 packs	
Eye pads		4	
Band-aids		1 small pack	
Steristrips (wide)		1 pack	
Adhesive tape - Fixomull	5 cm?	1	15-20 cm strip
Adhesive tape - Microfoam	2 cm	1 roll	
Adhesive tape - Leukoplast/Elastoplast	1.25 cm	2 roll	
Adhesive tape, waterproof - Sleek	2.5 cm	1 roll	
Safety pins	Large	6	
Antiseptic solution - Povidone Iodine	30 mL	3	Swab sticks
Antiseptic solution - Chlorhexidine aqueous	20 mL	2	
Dressing pack – disposable		2	
Sterile towel (fenestrated) – disposable		2	
SUTURE & CUT-DOWN			
Dressing packs - disposable		1	
Dissecting forceps (toothed)		1	All instruments sterile, in disposable suture / cutdown pack.
Fine "vein" scissors		1	
Suture scissors		1	
Needle holder		1	
Mosquito artery clamps		2	
Large artery clamps		2	
Disposable scalpels	No 11	1	
	No 23	1	
Suture silk with atraumatic curved needles	0	1	Securing ICC's/ as ties
	3/0	1	
Catgut (chromic)	2/0	1	
NASOGASTRIC			
Nasogastric tubes	6	1	
	8	1	
	10	1	
	14	1	
Salem Sump NG Tubes	12	1	
	14	1	
Drainage bags		2	
Litmus paper		1 pack	
Lubricant jelly sachets		1	
50ml syringe with catheter tip		1	

	SIZE	QTY	COMMENTS
OBSTETRIC			
Cord clamps (plastic)		2	
Kocker's forceps (sterile)		2	In disposable obstetric instrument set
Episiotomy scissors (sterile)		1	In disposable obstetric instrument set
Incontinent sheets		4	
Name bands (white or clear)		2	
Sanitary pads	pack	1	
Bubble wrap /foil		1	
Cuddly rug		2	
Tubes for cord blood	Plain	2	
	EDTA	1	
URINARY CATHETER			
Foley's catheters	10F	1	
	12F	1	
	14F	1	
	16F	1	
Drainage bags with release valve		2	
Paediatric urine collectors		2	
Lignocaine gel syringe		1	
Chlorhexidine solution	20 mL	1	
10 mL syringe		1	
10 mL water		1	
Urinary drainage bag, hourly measure		1	Available at base.
Suprapubic catheter set		1	Available at base.
SPLINTS & IMMOBILISATION			
Vacuum mattress		1	Taken as required.
Scoop stretcher		1	
Multipurpose bandages (Easton)		2	
Head immobiliser (Ferno)		1	
Child's seatbelt attachment		2	
Arm and leg restraints (Psychiatric)		1 set	
Cervical collars (Stifneck Select)	Adult	2	Adjustable
Cervical collars (Stifneck Paediatric)	Child	1	
Cervical collars (Stifneck Baby No-Neck)	Child	1	
Carrying case (Stifneck)		1	
Pedimate 5 point harness		1	
Hare traction splint (or Donway)		2	Available at base
Limb splints (SAM moldable 36")		2	
DIAGNOSTIC			
Stethoscope	Adult	1	
Adult large cuff		1	
Adult standard cuff		1	
Child cuff		1	
Infant cuff		1	

	SIZE	QTY	COMMENTS
Thermometer (electronic)		1	
Torch (pen)		1	
Urine testing strips		1 bottle	
Blood glucose test strips		1 bottle	
Lancets		5	
Glucometer		1	
Diagnostic set (Welch Allyn) in case & spare batteries		1	
Patella Hammer (small)		1	
Doppler stethoscope & spare batteries		1	
Plain Glass Tube		1	Whole Blood Clotting Test
DOCUMENTATION & REFERENCES			
Reference: Drug Doses RCH 13 th Ed.		1	
Reference: Intensive Care Manual 5 th Ed		1	
Reference: Survival handbook "Stay Alive"		1	
Stationery - Pre-flight Assessment Pads		1	
Stationery - Flight Registration Books		1	
Stationery - In-flight Observation Charts		1	
Stationery - Transfer Envelopes (spare)		3	
Stationery - Valuables Envelopes		5	
Emergency Psychiatric Treatment Forms		5	
Laminated instructions for Escorts		1	
MISCELLANEOUS			
Large plastic bags		2	
Small plastic bags		4	
Sic sacs		6	
Torch (general purpose)		1	Petzel
Incontinent sheets			Some with obstetric pack
Bedpan		1	
Bedpan - slipper		1	Additional
Adsorbent granules			
Urinal (non-spill)		1	
Paper cups		8	
Drinking straws		8	
Air freshener spray		1	
Insect repellent - topical		1	
Insect repellent - spray		1	
Tissues facial		1 box	
Pre-moistened wipes (eg Wet Ones)		1 pack	
Plastic bucket/container with lid	5-10 litre	1	Multiple uses & waste disposal.
Scissors - heavy duty, non-sterile		1	
Scissors - standard dressing, non-sterile		1	
Mouth care - Swabs		6	
- Normal saline sachets	30 mL	6	
- Lanoline		1 tube	
KY jelly		4	
Chux wipes		6	
Sanitary pads		1 pack	

	SIZE	QTY	COMMENTS
Disposable nappies	Small	2	5-10 kg
	Large	2	10-15 kg
Arm rests	Long	2	Or Lifeport armboards
PROTECTIVE EQUIPMENT			
Gloves - sterile	6/0	2 pairs	
	6.5	2 pairs	
	7	2 pairs	
	7.5	2 pairs	
	8	2 pairs	
Gloves - non-sterile	small	5 pair	
	medium	5 pair	
	large	5 pair	
Fluidshield PR95 protective masks		6	
Earplugs foam		10 pair	
Protective glasses		2 pair	
Sunglasses		1 pair	For patient use
Sharps container		2	
Chlorhexidine hand lotion		1	
Antiseptic hand rub with Chlorhexidine Gluc 0.5%		2	
Fluorescent vests		3	
Wet weather gear		3	
LINEN			
Stretcher packs containing sheet, canvas, pillow, pillowcase & blanket		2	1 per stretcher
Space blankets (foil)		2	
Blankets (additional)		2	
Pillow (additional)		1-2	
LIFEPORT EQUIPMENT			
Aerosled Arch with adjustable IV pole		2	One per stretcher
Pump pole 9"		2	One per arch
Equipment rotating mounts (for large Propaq bracket, Oxylog or Lifepak 10)		2	Two per arch
Equipment screw pole mount - for small Propaq bracket		2	One per arch
Thumbscrews for Aero Sled Arch		4 small	
		4 large	
OTHER			
Headsets		2	
Keys (base buildings/aircraft etc)			
Safety briefing card			
Wet weather gear		3	
Large clear plastic sheet		1	

	SIZE	QTY	COMMENTS
Hard esky		1	Specimen transport
Water (drinking)		2 litre	In plastic container
Variety of cargo tie downs & restraint items (not medical equipment, but list in aircraft layout for completeness.)			
ELECTROMEDICAL			
Zoll E series monitor defibrillator pacer		1	
Propaq (small)		1	Rear stretcher arch
Propaq (large)		1	
Mains power charger for Propaq		1	
DC Power Cable - Propaq		2	Front & rear stretcher position
Alaris pumps		2	
Mains Power Cable - Alaris		1	
Digital camera & 250MB memory card		1	
Alkaline AA batteries (spare)		2	With camera case