

Pt. loading

video

IPATS AIR TRANSPORTS Fixed Wing – Pilatus PC-12



The Pilatus PC-12 is a fixed wing plane provided by the Irish Air Corp. It is used by IPATS to transfer infants and children overseas. The plane must be reconfigured for air ambulance missions and the life port loaded onto the plane before patient arrival.

Patient transfer is via specialized ramp from a standard Ferno trolley with the aerosled attached via the clip deck.

Patient is loaded headfirst into the craft and lies with their head towards the front of the plane.

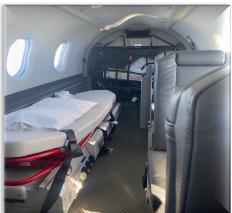
Aircraft	PC 12
Standard altitude, cabin pressure and atmospheric P.	Up to 30,000ft. Cabin Pressure 6,500-7,500ft. Atmos P. 80-76 kPa
Standard patient base	Lifeport scan for more info
Patient bed	Aerosled mounted on clip deck
Loading mechanism	Load ramp from centre of plane – patient loaded headfirst
Fitting time for aeromedical use	1-3 hrs (if aircraft is at base)
Power considerations	Charging is not possible, just battery maintenance
Oxygen supplied	3000L in ZX cylinder
Suction supplied	No machine, port supplied on lifeport
IPATS engineering equipment needed	Clip deck straps Spare Batteries
Special considerations	Cabin pressure can be increased

Pt. Unloading 📱

video









Typical Travel times from Baldonnell Aerodrome						
Newcastle Airport	Liverpool Airport	Biggin Hill	Northolt	Manchester Airport	Leeds Airport	
60min	45min	75min	75min	45 min	60min	
Airport to Freeman	Airport to Alder Hey	Airport to kings	Airport to GOSH	Airport to Manchester Children's	Airport to Leeds Children's	
20 minutes	20 minutes	45 minutes	40 minutes	15 minutes	20 minutes	

Alveolar

Gas Calc.



IPATS AIR TRANSPORTS Pre-Departure Checklist



Equip	Staff Checklist					
 Aeromedical Red Bag Patient specific Airway bag Spare Massimo + batteries iSTAT machine/Cartridges Patient specific Drug/Fridge bag Zoll monitor + relevant consumables Hamilton + Relevant consumables Braun Pumps x3 + 1 Infusomat 	 Spare battery bag Additional equipment (as needed) Additional equipment (as needed) I.e. USS/CMAC/iNO Sufficient Oxygen (calc completed) Portable Suction + consumables IPATS folder + Documentation Transwarmer (if temp reg concerns) All equipment connected and charging from central power bar 	 Passport emailed to NAC neoc.aeromedical@hse.ie Mobile phones + charger Jackets/layers Jackets/layers Food/Fluids Anti emetics (if required) Retrieval cash funds (overseas only) AnnexF Form sent to neoc.aeromedical@hse.ie 				
 Appropriate ACRs 	O2 cylinder opened on trolley O2 hose plugged into ambulance	□ NAC DESK: 1850 211869				
	Patient Checklist					
Working Vascular Access x2 (IV/I	O) • Relevant schedule	d medications given				
All balloon catheters filled with v	• Pt specific emerge	ncy medications drawn up				
Gastric contents emptied	Age appropriate eacher	ar protection available				
 All pneumo- thorax/peritoneum/cephalus risks considered and mitigated where possible CXR & labs reviewed All pressure areas reviewed Altitude associated complications identified and 						
Sedation/muscle relaxation considered discussed with air crew – i.e. risk of desaturation, presence of any air leaks, need for inc. cabin pressure						
Communication Checklist						
 Discharge Summary PEWS sheet for past 24hrs Drug Kardex 	 Recent laboratory results CD of all relevant images Numbers for parents/receiving unit/NAC desk 	 Accepting unit contacted to confirm time/bed NAC desk contacted to confirm ambulance availability on arrival 				
Parent/Guardian:	Referring Consultant:	Receiving Consultant:				
Name: Number: Parent/Guardian:		Name: Number: Receiving Ward:				
Name:	Name:	Name:				
Number:	Number:	Number:				