

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.

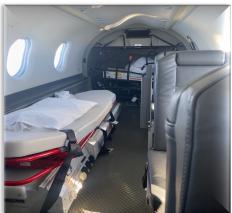
| Aircraft | PC 12 |
|--|---|
| Standard altitude, cabin pressure and atmospheric P. | Up to 30,000ft. Cabin Pressure 6,500-7,500ft. Atmos P. 80-76 kPa |
| Standard patient base | Lifeport scan for more info |
| Patient bed | Aerosled mounted on clip deck |
| Loading mechanism | Load ramp from centre 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: | | | | |