


The CASA is a fixed wing airbus 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.

Patient transfer is via the back of the plane(see photo 3) from a standard Ferno trolley with the aerosled attached via the clip deck.



Aircraft	CASA
Standard altitude, cabin pressure and atmospheric P.	Up to 25,000 ft. Cabin Pressure: 7,000-8000ft. Atmos P. 78 – 75kPa
Standard patient base	Lifeport  scan for more info
Patient bed	Aerosled mounted on clipdeck
Loading mechanism	Rear ramp access – patient transferred inside plane directly onto lifeport via a ramp headfirst
Fitting time for aeromedical use	1-3 hours (if aircraft is at base)
Power considerations	Power cannot be provided to IPATS equipment. Charging is not possible
Oxygen supplied	3000L (ZX cylinder) within life port
Suction supplied	Machine NOT supplied; Port available on lifeport
IPATS engineering equipment needed	Clip deck ratchet straps Spare Batteries
Special considerations	Extremely noisy environment – ear protection should be used by crew and patient. Temperature extremes common -Heating available on request. Consider transwarmer for infants/pts with temperature regulation issues.

Pt. loading video



Pt. Unloading video



Alveolar Gas Calc.



Typical Travel times from Baldonnell Aerodrome

Newcastle Airport	Liverpool Airport	Biggin Hill	Northolt	Manchester Airport	Leeds Airport
75min	60min	90min	90min	60 min	75min
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

Equipment 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
- Appropriate ACRs
- Spare battery bag
- 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
- O2 cylinder opened on trolley
- O2 hose plugged into ambulance

Staff Checklist

- Passport emailed to NAC neoc.aeromedical@hse.ie
- Mobile phones + charger
- Jackets/layers
- Food/Fluids
- Anti emetics (if required)
- Retrieval cash funds (overseas only)
- AnnexF Form sent to neoc.aeromedical@hse.ie

NAC DESK: 1850 211869

Patient Checklist

- Working Vascular Access x2 (IV/IO)
- All balloon catheters filled with water
- Gastric contents emptied
- All pneumo-thorax/peritoneum/cephalus risks considered and mitigated where possible
- CXR & labs reviewed
- Sedation/muscle relaxation considered
- Relevant scheduled medications given
- Pt specific emergency medications drawn up
- Age appropriate ear protection available
- Sufficient blankets/layers
- All pressure areas reviewed
- Altitude associated complications identified and 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:

Name: _____

Number: _____

Parent/Guardian:

Name: _____

Number: _____

Referring Consultant:

Name: _____

Number: _____

Referring Ward:

Name: _____

Number: _____

Receiving Consultant:

Name: _____

Number: _____

Receiving Ward:

Name: _____

Number: _____