



### **Patient Pump Bridge JR610814**

The Patient Pump Bridge was developed as an aid to staff, to improve patient safety, patient / public / staff perception and Hospital / professional image. As a practical piece of equipment it is designed to carry the Infusion pumps during a patient transfer. This satisfies several issues:

- It ensures that the pumps are elevated off the patients legs which in itself could be a potential for a patient safety issue, as if the patient moves the pump falls off the bed.
- It removes the possibility of the bedding interfering with the pump function.
- It means that in the event of an emergency procedure being required during the transfer, the staff do not have to concern themselves with equipment in the way.
- It avoids the inherent problem of the leads from the pumps tangling and causing further potential for patient safety.

There are currently several variants:

1. A model for Critical care units (ICU) which is the largest model, capable of carrying 5 pumps, has a weight limit of 24kg and is capable of width adjustment to fit comfortably on any bed or trolley.
2. A model was built for operating theatre transfer trolley, this is a smaller model than the ICU capable of carrying 3 pumps with a limit of 18kg, smaller because it is required to adjust down in width to fit a scanner couch top in imaging. This variant has flat in-turned feet.
3. A model for Imaging, the same physical size as the Theatres model but is non width adjustable, again with a max load of 18kg.
4. A model for Emergency Department (ED), this variant is the same as the Theatres model and has the capability of being secured to a Wolfson X Ray Trauma Board.

Note : Advice for the larger model (ICU) is that it is a 2 person handling procedure.  
Bridge should not be used during a patient roll.

The patient bridge can be stored on a wall space 100cm x 70cm utilising a purpose made wall fitting which has the advantage of specifying the equipment, a basic instruction guideline and a mini risk assessment. The wall mount can be fitted by mechanical fixings to the wall (drilled, rawl plug and screws) or double sided tape which has a high shear strength factor.

The ICU model should be mounted at a height appropriate to its easy removal / replacement. The other models that are lighter and physically smaller can be mounted at higher positions.

The locking device for the adjustable models is located on the underside of the top tray, accessed from either end or through the access ports on each side, clockwise operation to release and anti clockwise for tightening. All models have the access ports on either side to enable access to a patients legs if required

The ED model also has positioned cut outs on the top tray to accommodate electrical leads etc connected to other equipment that might be mounted such as ventilator or monitor that is required during a transfer. The only variants between the models are the “shape” of the feet, some models are flat in turned and “curled” out turned.

All models can be labelled with department / trust name etc and colour coded by department for quick ID purposes. The material used is PETG which is a very versatile plastic which is safe in use due to its’ shatterproof qualities, it is stress relieved which allows for cleaning with Hospital approved cleaning agents / solvents.