

**Information and Training Notes for  
Patient Pump Bridge JR610814**





### **Rationale**

A need was identified for the development of a device that carried medical equipment to support a patient when being transported internally in a hospital environment such as from ICU to CT scanner and return to ward.

There are several advantages for such a device:

1. Safety factors when transporting, *i.e.* ,avoidance of tangled lines, prevention of pumps etc. falling off the bed during transport and/or physical movement of patient, line of sight for indicators on equipment, potential injury to patient.
2. Patient comfort.
3. Improved visual image of equipment clutter scattered around a patient's body.
4. Confidence factor for patient / visitors and staff during an internal transfer seeing an organised and controlled environment.

### **Details of patient bridge**

The units available at present were designed for various hospital environments, ICU, ED, Theatres and Imaging. *The current version (5) of bridge is not suitable for MRI scanners.* The minimum width of all models is 400mm which allows the unit to be transferred with the patient from a bed / trolley to a CT couch (applies to PHNT).

### ICU version

This is the largest, capable of carrying 6 pumps depending on the model of pump in use. The unladen weight is 10.9kg and it should be considered that due to the combination of shape and weight that it is a two person manual handling procedure to position onto the bed / trolley prior to loading of equipment. The maximum weight loading for this unit is 24kg and the unit has adjustable support legs to enable a minimum width of 400mm to a maximum of 650mm. There are access apertures in the support legs. (Note: A Mobile Pump Stand. JR 290414 that attaches to the bed has been designed and manufactured to increase the number of pumps required for a patient transfer to a maximum of 12).

### Theatre and ED versions

These are similar in design and are capable of carrying 4 pumps depending on the model of pump in use. The unladen weight is 8.1kg. The maximum weight loading for this unit is 18kg and the unit has adjustable support legs to enable a minimum width of 400mm to a maximum of 540mm. There are access apertures in the support legs. The ED version has easy application and release straps for securing to a Wolverson X-Ray UK Ltd Trauma board as used in PHNT for internal patient transfers and additional cut outs in the top tray to facilitate leads and hose for carrying monitor / ventilator.

### Imaging version

This is the same physical size as the Theatre and ED versions but with an unladen weight of 6.8kg and has the same weight load capacity but is not adjustable in width due to the working limit of the width of the imaging couch.

A wall mount is available for each of the models and incorporates images and user instructions.





**Instructions for mounting the Patient Bridge onto a bed / trolley and populating with equipment (note: this is not a transfer staff movement procedure):-**

1. Check the unit for damage and cleanliness  
**For the ICU version** Lift the unit from the supplied wall mount following the instruction written on the wall mount, at this point it should be no problem for a one person lift and carry to the patients position and a two person lift to place onto bed / trolley / couch / trauma board in the desired position over the lower limbs of the patient. Note: For smaller framed patients the Patient Bridge may be positioned over hips or upper torso which might necessitate Instruction 3 to be carried out prior to positioning.  
**For the ED, Theatre and Imaging versions** Lift the unit from the supplied wall mount following the instruction written on the panel and place onto bed / trolley / couch / trauma board in the desired position over the lower limbs of the patient. Note: For smaller framed patients the Patient Bridge may be positioned over hips or upper torso which might require Instruction 3 to be carried out prior to positioning.  
**In the case of the ED version only and when using with a Trauma board** ensure that if you wish to secure the bridge to the trauma board with the straps provided make sure that any padding or blankets are removed from under the Patient Bridge feet or difficulty might be experienced attaching the straps.
2. In the case of adjustable models, slacken the 2 locking levers on the underside of the top platform in a clockwise direction (viewed from top) and expand supporting legs to desired width by pulling on both supporting legs simultaneously. Note: It is only necessary to “break the tightness” of the locking levers, not to undo fully.
3. Re tighten the 2 locking levers by turning anti clockwise (viewed from the top)
4. Check the feet of the supporting legs are not overhanging the mattress / couch edge.
5. Position medical devices evenly over the working surface of the Patient Bridge platform avoiding the potential to overbalance and ensuring leads are not tangled or dangling where anyone can ensnare or put undue pressure. Check that any monitoring screens and controls are unobstructed and easily visible.
6. The Theatre / ED / Imaging unit is suitable to tilt to approximately 40 degrees for patient transfer using a PAT slide providing that suitable staff are available to comply with establishment manual handling procedures and recommendations.
7. The ICU version (potentially heavier) for patient transfer it is recommended to use a PAT slide with an air mattress or blue slide sheet where the Patient Bridge remains in a stable position throughout the manoeuvre.
8. All units are labelled with weight capacities and colour coded department I.D. If the labels are no longer legible please contact the Specialist Mechanical Workshop.
9. Please note that it is possible to badge for individual establishments (name of user department and colour coding).
10. After each use the Patient Bridge should be cleaned in accordance with local establishment procedures. The units are manufactured from PET G material that is suitable for use with accepted cleaning agents and processes. Not suitable for high temperature cleaning processes.