T-POD®
Pelvic Stabilization Device
Training Session
Why **T-POD®**?

- Pelvic fractures have a mortality rate of 5% to 50%, due mainly in part to the significant hemorrhage that may occur in the pelvis with minimal external signs.
- Achieving pelvic stabilization and reducing pain from a pelvic injury is difficult to achieve outside of a hospital environment.
- **T-POD®** is a non-invasive, lifesaving, pelvic stabilization device that can be applied in any environment.
Why T-POD®?

- Lowers rate of morbidity
- Decreases blood loss or hemorrhage
- Decreases need for administration of blood or blood by-products
- Decreases patient pain levels and need for pain medication
- Provides a quick, safe, and effective method for the initial treatment of pelvic injury and possible pelvic fractures
Advantages of T-POD®

• **EFFICIENT:** Pulley System is easily drawn closed with one hand and without straining

• **EASY TO USE:** can be easily applied in pre-hospital, emergency department or battlefield environments

• **FAST:** Pulley System and Pull Tab allows the user to stabilize the pelvis in seconds

• **COMPATIBLE:** 100% radiolucent, x-ray, MRI and CT scan compatible
Advantages of **T-POD®**

- **SAFE:** Pulley System 6-8” gap closure ensures the ideal tension and prevents over-tightening

- **EFFECTIVE:** **T-POD®** has been proven to be as effective as definitive fixation in reducing pubic diastasis in the pelvic cross-sectional area

- **MODIFIABLE:** one-size fits most physiologies and is easily trimmed for a custom fit; two can be secured together for obese patients
Advantages of **T-POD®**

- **ADJUSTABLE:** compression can be immediately adjusted to each patient and application need
- **COMPACT:** comes in a compact, quick opening packaging
- **LATEX FREE:** non-metal, flexible, fabric belt
- **VERSATILE:** available in two colours – high-visibility orange and military olive drab
**T-POD® Explained**

- **Mechanical Advantage Pulley System** ensures simultaneous, circumferential compression of the pelvic region

- **Circumferential** closure compresses at every point around the pelvis, with symmetrical and equal pressure. This is due to the width of the Pulley System equaling that of the binder

- **Pull Tab** easily adheres to Belt to keep applied compression in place, without any loss of pressure
T-POD® Explained

- **Symmetrical** closure is more effective at reducing pelvic fractures, hemorrhage, pain, transfusions, length of hospital stay and morbidity

- **XRD Tab (X-ray Detectable Tab)** appears on x-ray, MRI and CT scans, allowing medical personnel to visibly see that a **T-POD®** is in place on the patient

- **Application History Label** provides a place to document date and time of **T-POD®** application and re-application
T-POD® Explained

Pre-application of T-POD®

Post-application of T-POD®
Application Procedure

1. Slide Belt under supine patient and into position under the pelvis.

2. Trim the Belt, leaving a 6-8” gap over the center of the pelvis.
Application Procedure

3. Apply Velcro-backed Mechanical Advantage Pulley System to each side of the trimmed Belt.

4. Slowly draw tension on the Pull Tab, creating simultaneous, circumferential compression.
Application Procedure

5. Secure the Velcro-backed Pull Tab to the Belt.

6. Record the date and time of application on the space provided.
Re-applying *T-POD®*

Circumferential compression should be released every 12 hours to check for skin integrity and provide wound care, as necessary. To re-tighten, draw Velcro-backed Pull Tab, secure and attach to Belt.

*T-POD®* release time should also be noted on the label.
Re-applying T-POD®

CLINICAL USE WARNING:
Re-use of T-POD® is not recommended once it has been used on an injured person, due to the potential of cross-contamination. Serious injury or death may result.

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Considerations

• If an obese patient requires **T-POD®**, two belts may be affixed together using one power unit as an extender and the other as the pulley.

• Monitor pulse and blood pressure in accordance with your organizational protocols.

• **T-POD®** should be replaced when soiled or after every 24 hours of use.
Considerations

• Place Foley catheter prior to application as needed.

• Children under 50 lbs (23 Kg) may be too small to obtain the 6 inch gap needed for closure.
References


References


Robert B. Carrigan, Christopher T. Born, Mary Kate Fitzpatrick, Patrick Reilly: Temporary Stabilization of the Pelvic Fractures with the Trauma Pelvic Orthotic Device in the Polytrauma Patient.