

**PYNG** MEDICAL



# **T-POD®**

## Pelvic Stabilization Device

### Training Session

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# 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*®

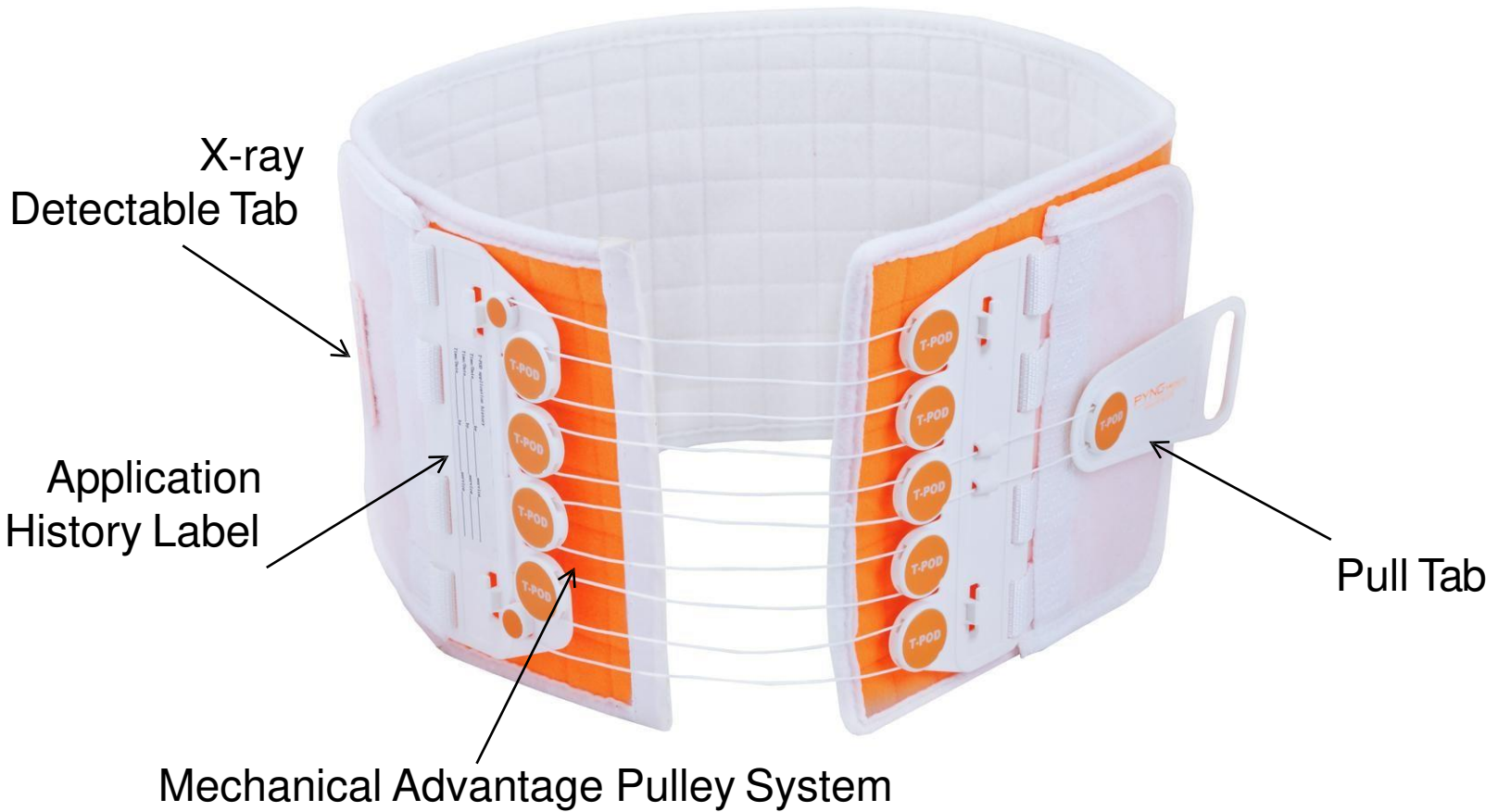
- **SAFE:** Pulley System 6-8" gap closure ensures the ideal tension and prevents over-tightening
- **EFFECTIVE:** *T-POD*® has been proven to be as effective as definitive fixation in reducing pubic diastasis in the pelvic cross-sectional area
- **MODIFIABLE:** one-size fits most physiologies and is 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®

## Pelvic Stabilization Device



# ***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***<sup>®</sup> Explained



Pre-application  
of ***T-POD***<sup>®</sup>



Post-application  
of ***T-POD***<sup>®</sup>

# 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.

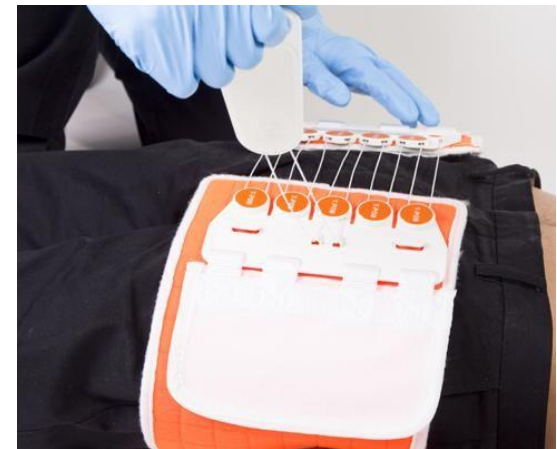


# Application Procedure

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.



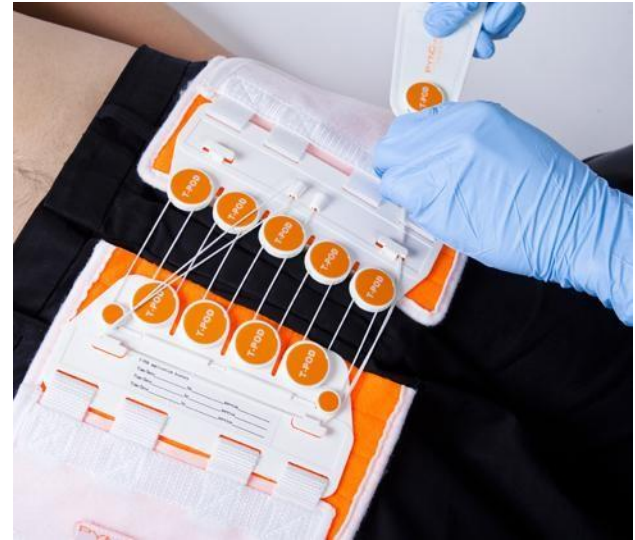
6. Record the date and time of application on the space provided.



# 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.



# Considerations

- If an obese patient requires **T-POD**<sup>®</sup>, 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**<sup>®</sup> 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

Bodden J, Treatment Options in the Hemodynamically Unstable Patient With a Pelvic Fracture, Orthopedic Nursing 2009, 28:3; pp. 109-114.

Croce MA, et. al., Emergent Fixation in Patients with Exsanguinating Pelvic Fractures, Journal of American College of Surgeons 2007, 204:5; pp. 935-939.

FitzPatrick MK, A New Tool for Initial Stabilization of Pelvic Fractures: The **T-POD**® Trauma Pelvic Orthotic Device, Journal of Trauma Nursing, 2002, 9:1; 20-21.

# References

McSwain NE, Frame S, Salome JP (eds): PreHospital Trauma Life Support, ed. 5 (revised), St. Louis, Elsevier Mosby, 2005, pp. 274-286.

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.

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