

The next generation in spineboards has arrived...

Innovative design with both the patient and lifters in mind

Offers more stability and control



Improved back safety

Transferring - Carrying - Extrication

Accommodates larger sized patients

Patent Pending

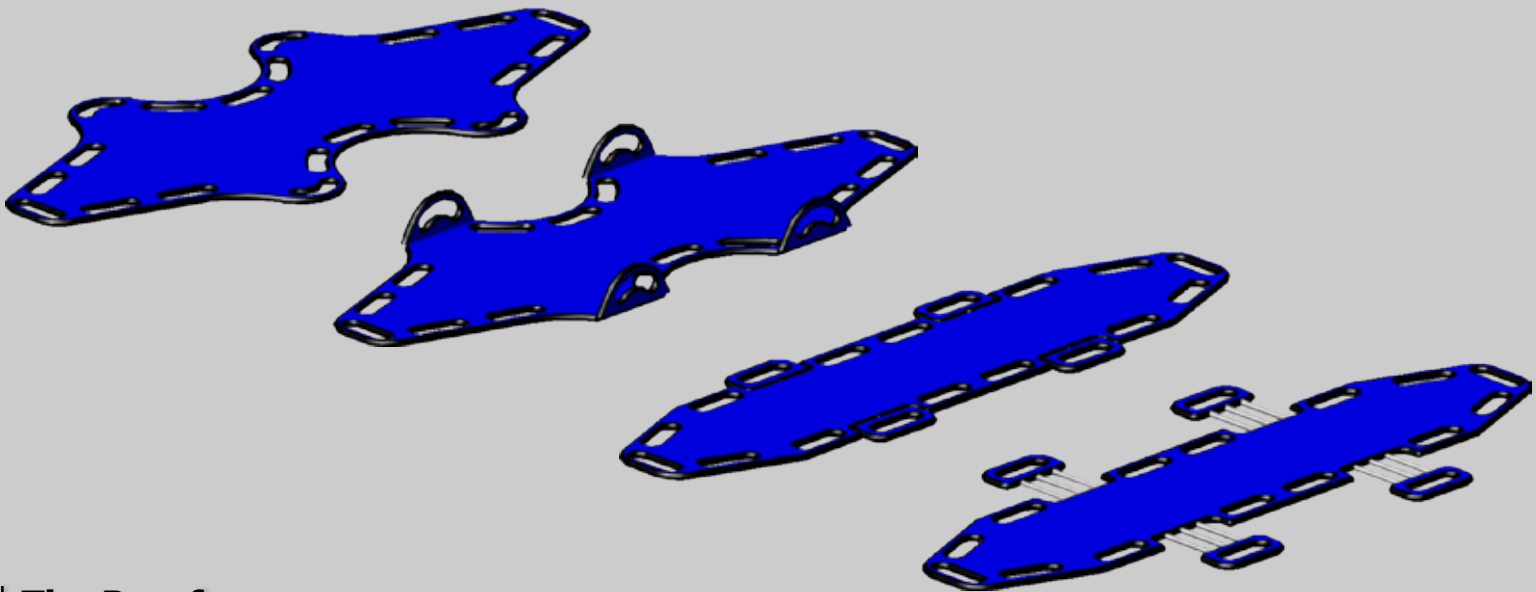


BAPTD : Biomechanically Advanced Patient Transfer Device

The Product

The Biomechanically Advantageous Patient Transfer Device (BAPTD) is truly the next generation in spine boards and backboards. It is the first spine board ever developed with lifting mechanics as the primary design criterion. It was developed to allow lifters to transfer/lift a patient with minimal musculoskeletal risk to the lower back. Through its innovative extensions on either side of the board, along with proper placement of handholds, this board forces the load carried to be applied closer to the lifter's center of gravity, thereby drastically lowering the compressive forces and torque about the L5/S1 region of the spine. Its novel form, which more appropriately accommodates larger-sized patients and provides a more stable lifting experience for those involved, was created using multiple human factors techniques including anthropometric measurements and biomechanical calculations.

The Embodiments:

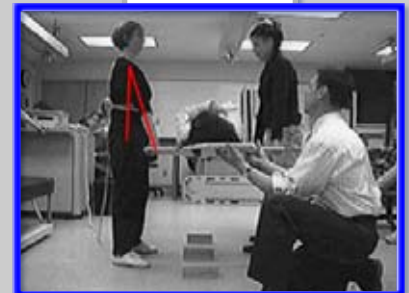


The Proof:

Traditional Board



BAPTD Board



- 48%

- 68%

- 42%

Percent reduction in potentially harmful biomechanical forces acting on the L5/S1 region of the spine

