

## Abbreviated Use & Care for Steep Trendelenburg Butterfly™ Gel Bean Bag

### *Intended use of The Butterfly™:*

This product is designed as a **positioning aid to help secure a patient** during surgical procedures that utilize Trendelenburg. The Bean Bag is a moldable product that can be contoured around the patient to help “cocoon” them. The Butterfly™ is filled with thousands of tiny beads that will mold together to form a rigid surface when air is removed from the environment (via suction). With The Butterfly™, the patient is further protected from pressure spots on the rigid surface by an integrated layer of Blue Diamond® Gel. Finally, there are six (6) independent securing straps designed to anchor The Butterfly™ to the Operating Table.

*When properly deployed*, The Butterfly™ serves as a single device positioning solution to address the “slippage” challenges of steep Trendelenburg procedures while the incorporated layer of Blue Diamond® Polymer Gel aids in the prevention of pressure injuries.

### Key Features of The Butterfly™

- ✓ Upper wings can be folded back to create a broader shoulder cushion as a support (“butterfly” style) or upper wings can be molded to envelope both the chest and upper arms (“cocoon” style).
- ✓ Lower wings designed to secure hand and lower forearms in a tucked position while still offering near-full arm access for Anesthesia. Lower wing extension tucks under patient.
- ✓ One-Click valve allows suction tubing to be *disconnected* after initial evacuation.
- ✓ Wide cephalic notch design maximizes space around the head for the Anesthesiologist.
- ✓ Pressure points minimized by integrated layer of Blue Diamond® Gel.



**This product is intended to be used by a licensed medical professional only. As any medical device staff should familiarize themselves with the product prior to use on a patient. David Scott cannot be held liable for misuse of this product.**



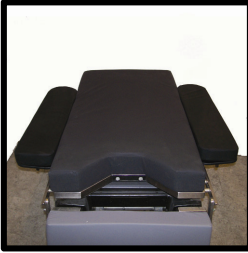
**Inspect Bean Bag for leaks or tears. Never use any product if integrity is in doubt.**



**Never Carry The Butterfly™ by the valve stem as damage can occur to the product.**

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**Positioning The Butterfly™:** Place The Butterfly™ flat on the OR table with the gel side facing up, the large wings towards the head of the table and the smaller wings towards the foot of the table. Center the Butterfly™ horizontally (left/right) on the OR table. (Figure 3 & 4)



Empty OR table with Armboards

Fig. 3



Butterfly laid out on OR table w/ armboards

Fig. 4



Fold Wings in to secure straps

Fig. 5



3 straps secured to rail on each side

Fig. 6

**Positioning a patient on The Butterfly™:** Patients should be centered horizontally (left/right) on The Butterfly™. The patient's shoulders should be even with the base of the cephalic (head) notch. Ideally, the lower edge of The Butterfly™ should be at the patient's lower lumbar, aligned with lower edge of OR table body section. If the patient needs to be moved up or down on the table, the patient should be moved on The Butterfly™ using at least four (4) persons grasping the bean bag on its body (*not the wings or securing straps*).



Fig.7

Upper Wings over shoulders



Fig.8

Upper Wings as Shoulder Bumps

**Molding The Butterfly™:** Once the patient is positioned correctly and The Butterfly™ is secured to the OR table, the device can be molded for secure patient positioning. As noted earlier, The Butterfly™ can be molded "cocoon" style or "butterfly" style. With 1-2 people on each side of the OR

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table mold the upper wings and lower wings around the patient using the desired configuration making sure to hold the Beanbag close to the patient until it takes shape around them:

Preferred  
Method

- ✓ **Lower wings** with as few beads as possible in the lower wing portion, wrap over the hands with the tail of the wing (no beads in tail) tucked as far as possible beneath the patient (“cocoon” style).(Figure 9)
- ✓ **Upper wings** Folded back creating a creating a passive safety support behind the shoulders. The wing should be bent back and the tip of the wing tucked under slightly to just touch the OR table surface (“butterfly” style). Standing at patients head, or a person on each side, hold firm the shoulder bumps against the patient until air is evacuated.(Figure 8)

OR

- ✓ **Upper wings** around the shoulders and over the chest, taking care in not interfering with patients face (“cocoon” style). Standing at patients head, or a person on each side, hold wings down onto chest while air is evacuated.( Figure7)
- ✓ **Lower Wings** should be addressed in same fashion as in preferred method.



Multiple people are required at this stage of positioning. 4 people are ideal.



Fig.9

Extension wrapped  
over hand/wrist



Fig. 10

Extension wrapped over  
hand then tucked under  
patient

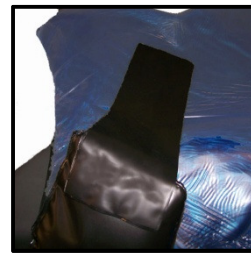


Fig. 11

Lower Wing  
Extension

*Lower Wing-Hand Extension:* This detachable wing is designed to wrap over the patients hand/wrist and then be tucked under the patient, utilizing the patient’s weight to further secure the extremity in position. There are no beads in this lower wing extension. (Figure 10)