MEDICAL

SONITA MEDIC SURGICAL

SUPPLIES

TROOP ELEVATON PILLOW

Airway Management Elevation System

| www.sonitamedic.com.au |

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MELBOURNE :
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BRISBANE :
524 Old Bay Road
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QLD 4505

PERTH
Suite 76 Ground Floor
50, St Georges Terrace
Perth WA 6000

Troop Elevation Pillow and accessories

Improve Airway Management for Obese/OSA Patients

Troop Elevation Pillow™ Anesthesia Positioning

The Troop Elevation Pillow (T.E.P.) quickly achieves H.E.L.P. (head elevated laryngoscopy position) to lower risk and improve patient safety.

- Aligns upper airway axes to facilitate successful 1st pass intubation
- Improves ease of breathing with better pre-oxygenation tension for obese patients
- Complements all methods of airway management (DL & VL, Glidescope, AirTraq etc.)
- Improves O.R. time efficiency

Head elevated laryngoscopy position (H.E.L.P), in which the head is visibly above the shoulders with horizontal alignment between the external auditory meatus and sternal notch. This improves the view during laryngoscopy compared to the sniffing position in obese patients.[1] Other benefits include better preoxygenation and easier bag-mask ventilation in obese patients.[2]

Indications for use: General and regional anesthesia for obese patients across numerous specialties: obstetrics, ENT, head and neck, maxillofacial, bariatric surgery, neurosurgery and X-ray/cath lab procedures.

1. Collins JS, Lemmens HJ, Brodsky JB, Brock-Utne JG, LevitanRM. Laryngoscopy and morbid obesity: a comparison of the sniff and ramped positions. Obes Surg2004;14:1171–5.2.

2. Dixon BJ, Dixon JB, Carden JR, et al. Preoxygenation is more effective in the 25 degrees head-up position than in the supine position in severely obese patients: a randomized controlled study.Anesthesiology2005;102:1110–5.

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Troop Elevation Pillow and accessories

Airway Management Aids for Obese Patients

PRODUCT CODE:

MM-TRP-10-91001-C

The Troop Elevation Pillow is designed and intended to facilitate airway management for obese and large-framed patients. The pillow is for intra-op and post-op care.

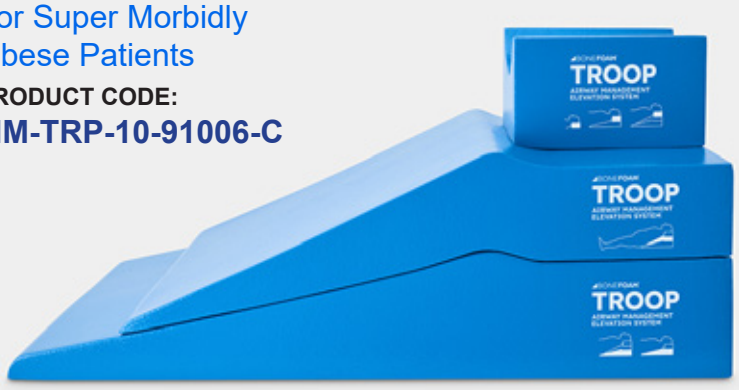
Designed and developed by a practicing anesthesiologist, the Elevation Pillow addresses the inherent problem of "stacking blankets." It is both stable and easy to set-up.

The pillow quickly achieves the "head-elevated laryngoscopy position, (HELP)." This position is recommended for airway management of obese patients.

For Super Morbidly Obese Patients

PRODUCT CODE:

MM-TRP-10-91006-C



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Troop Elevation Pillow and accessories

Product Accessories

DISPOSABLE BARRIER COVERS

Used with coated Troop Elevation Pillows and Addition for infection control.

PRODUCT CODE:
MM-TRP-10-91003

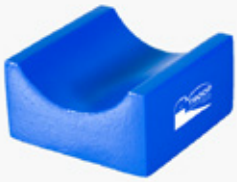
ELEVATED ARMBOARD PADS - COATED

Used to elevate the arms and cushion the arm boards. Comes with reusable straps that can easily be secured to arm boards.

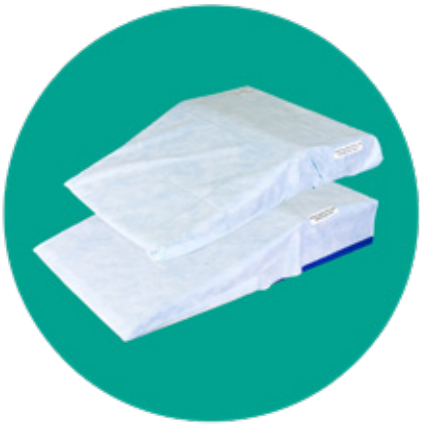
PRODUCT CODE:
MM-TRP-10-91007-C

HEAD CRADLE - COATED

PRODUCT CODE:
MM-TRP-10-91002-C



Code	Description	
• **MM-TRP-10-91001-C**	**SET OF 2**- Reusable Vinyl Covered Troop Pillow with Head Cradle	Each
• **MM-TRP-10-91006-C**	**SET OF 3**- Reusable Vinyl Covered TEP Pillow set, includes TEP, TEPA & Head Cradle	Each
• **MM-TRP-10-91002-C**	Reusable Vinyl Covered Head Cradle	BX4
• **MM-TRP-10-91003**	Disposable Covers for Troop Elevation Pillow	BX30
• **MM-TRP-10-91007-C**	Reusable Vinyl Covered Arm Boards - pair	BX2



Maintain Infection Control with
Disposable Barrier Covers

Troop Airway Management Elevation System improves the ease of breathing for the obese patient which leads to better pre-oxygenation levels, facilitates intubation during surgery, and supports the patient's respiratory mechanics.

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Troop Elevation Pillow and accessories

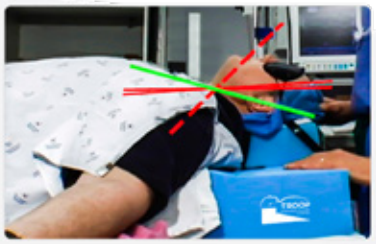
Indications for Use:

- General and Regional Anesthesia for obese patients.
- Local Anesthesia with I.V. Sedation for obese patients.
- Aid to improve mask and spontaneous ventilation.
- Obstetric C-Section cases.
- ENT, Head & Neck, Facial Surgeries.
- Neurosurgery; positioning aid for Anterior Cervical Fusion.
- Bariatric Surgery.
- X-Ray/Cath Lab Procedures.
- Bariatric Clinics.

Bad Airway Positioning

PATIENT: 6'0" - 375LBS.

Airway axes are misaligned on the head cradle only.



Good Airway Positioning

PATIENT: 6'0" - 375LBS.

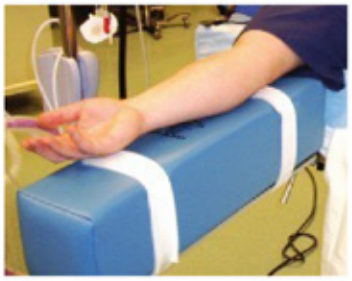
On the Troop Elevation Pillow and a head cradle the airway axes are beginning to align.

Benefits:

- Aids Airway Management for obese patients.
- Improves "Ease of Breathing."
- Obese patients breathe more comfortably during pre-oxygenation (pre-induction) and during regional anesthesia.
- The Elevation Pillow greatly facilitates mask ventilation.
- Helps align the Upper Airway Axes.
- Easier, faster set-up eliminating "stacking of blankets."
- Stable patient positioning is maintained during surgery.
- Helps decrease Acid Reflux (aid to manage GERD).

"NEW"

The newest addition to Troop Accessories is the washable, vinyl covered, reusable Elevated Arm Board Pads. These pads are a better way of building up the arm boards. For most patients, stacking with blankets or extra foam is unnecessary.



■ Reusable Armboard

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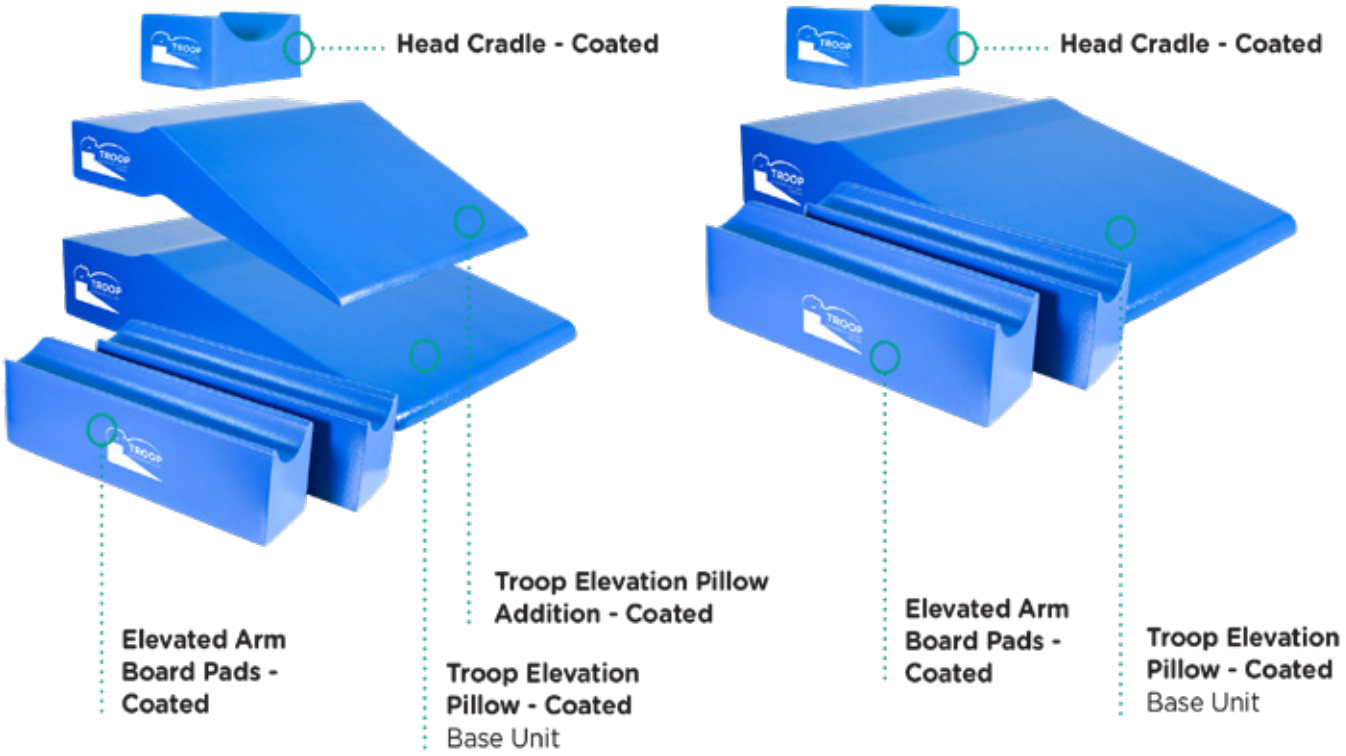
Troop Elevation Pillow Systems

The systems are coated with a medical grade vinyl coating and are reusable. For infection control, the Elevation Pillow & Addition must be used with a Disposable Barrier Cover. Failure to use the barrier cover will void the warranty.



Complete System

Our most complete Anesthesia positioning system that includes components to accommodate both morbidly obese patients up to 450 lbs and super morbidly obese patients who are over 450 lbs. This system must be used with the Disposable Barrier Covers.

Standard System

Anesthesia positioning system that includes components to accommodate obese patients up to 450 lbs. This system must be used with the Disposable Barrier Covers.

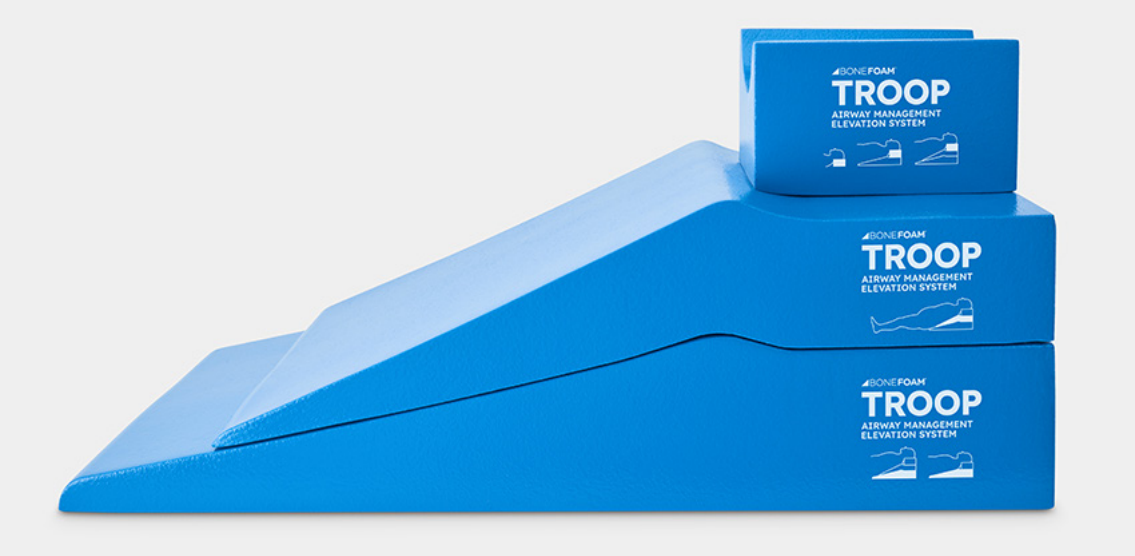
Troop Elevation Pillow - Complete System

- Troop Elevation Pillow - Coated
- Troop Elevation Pillow Addition - Coated
- Head Cradle - Coated
- Disposable Barrier Cover (Box of 30)
- Elevated Arm Board Pads - Coated

Troop Elevation Pillow - Standard System

- Troop Elevation Pillow - Coated
- Head Cradle - Coated
- Disposable Barrier Cover (Box of 30)
- Elevated Arm Board Pads - Coated

Troop Elevation Pillow Addition (TEPA)



The ***Addition*** is a wedge shaped positioner that is designed to be used with the Troop Elevation Pillow. The Addition is placed on top of the Troop Elevation Pillow and a head cradle or standard intubating pillow is placed on top of the flat / plateau part of the Addition. The Troop Elevation Pillow (TEP) + the Addition (TEPA) + the Head Cradle (H.C.) are designed for ***positioning the super morbidly obese patient in the H.E.L.P. position*** (head elevated laryngoscopy position). As a general guideline the TEP + TEPA + H.C. is recommended for patients weighing 450 to 500 pounds or more or patients whose ***BMI is greater than 50***. The patient's height and weight distribution are important observations when considering the clinical indication to use the TEPA. For example a super morbidly obese patient whose weight is mainly in the abdomen and upper chest area (verses the waist and hip area) is more likely to receive the most benefit.

The ***Troop Elevation Pillow Addition (TEPA)*** is available as a single use item with a disposable paper cover. It is also sold as a washable / reusable vinyl covered product designed to Velcro attach to the vinyl covered Troop Elevation Pillow. ***The disposable barrier cover (sold separately) is recommended to cover and protect the vinyl TEPA and the vinyl Troop Elevation Pillow.***

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Tips on Using The Elevation Pillow

1) Place the Elevation Pillow (EP) at the head of the O.R. table and cover the EP with its form fitted impermeable barrier cover (sold separately) (this cover provides added patient comfort and helps to keep the EP clean). ***Place the vinyl covered standard intubating pillow on the plateau / flat part of the vinyl covered Elevation Pillow.*** Place a sheet 'cross wise' *underneath* the Elevation Pillow. If post intubation the patient needs to be moved down the O.R. table (into lithotomy position for example), by lifting with the sheet, the Elevation Pillow & patient can be moved as a unit and the patient remains in the same head elevated laryngoscopy position (H.E.L.P.).

2) Put the O.R. table in ~5-10 degrees 'back down' position
(The patient can then transfer from stretcher to O.R. table on a "level plain".)

3) The patient's shoulders should be resting on the upper curve of the ***Elevation Pillow.*** The patient's head should rest on the standard intubating pillow at the upper edge of the Elevation Pillow.

4) After the patient is on the O.R. table and resting on the ***Elevation Pillow & standard intubating pillow,*** adjust the O.R. table ~5-10 degrees 'back-up' as needed.

5) 'Build-up' the arm boards with foam and / or folded blankets or place the ***Elevated (vinyl covered) Arm Board pads (sold separately)***

6) ***Place a 'regular' hospital pillow under the patient's knees.***

CAUTION: DURING SURGERY, CLOSELY MONITOR FOR 'SLIPPING' OF ELEVATION PILLOW & PATIENT *IF THE O.R. TABLE IS PLACED IN STEEP TRENDELENBERG*

Note: a sample *Troop Elevation Pillow cover* (impermeable barrier) is included...*for infection control reasons;* use one 'new' disposable cover for each patient...the covers are available for purchase (30 per box)

Troop Elevation Pillow Set-up Instructions

The Troop Elevation Pillow / Set-up Instructions

(Designed for use with a standard intubation pillow)

(Place a 'cross sheet' under the Elevation Pillow (EP); if needed this will Facilitate moving the patient as a 'unit' with the EP)

(Put the O.R. table in a slight back down position...facilitates patient transfer; post transfer raise the back up to achieve ***the H.E.L.P. position****)*

(Place a 'regular' pillow under the patient's knees)

Use the Barrier Cover for Foam or Vinyl Covered Elevation Pillow

Morbidly Obese Patient: from fully supine to the Head Elevated Laryngoscopy Position... (H.E.L.P.)

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