



**STOPS
MEDICAL**
A 3B SCIENTIFIC COMPANY



6-IN-1 TACTICAL COMBAT CASUALTY CARE (TCCC) TRAINER

PRODUCT MANUAL

1025848

6-IN-1 TACTICAL COMBAT CASUALTY CARE (TCCC) TRAINER

> CONTENTS

Use statement	3
Parts and Components	4
6-in-1 Procedural Capabilities	5
Assembly	6
Cleaning	9
Torso Skin Repair	10
Neck Skin Repair	11
Mouth Tear Repair	12
Individual Trachea Repair	13
General Safety	14
Consumable/replacement parts	14
Contact Information	14

6-IN-1 TACTICAL COMBAT CASUALTY CARE (TCCC) TRAINER

> USE STATEMENT

STOPS Medical is dedicated and focused on maximizing training value by outfitting medical providers with essential training devices to accomplish lifesaving goals. By combining multiple partial task training objectives into one device, the need for multiple trainers is eliminated. By designing medical simulation and training devices that are user-repairable, usage and cost effectiveness are maximized while minimizing out of service time for proprietary manufacturer repairs, and costly expendable replacement supplies. The life-cycle cost of the STOPS Medical training devices are extremely competitive.

The 6-in-1 Tactical Combat Casualty Care (TCCC) Trainer is comprised of a Hyper-Realistic®, anatomically similar male head and upper torso. It is constructed with a skeleton that utilizes user-repairable body skin, neck skins, tracheas, and user-replaceable intraosseous training pucks.

Procedures available (but not limited to) on this system include the following:

1. Nasopharyngeal Airway (NPA) Adjunct Insertion (with Oropharyngeal visual confirmation of proper measurement and placement)
2. Clearing upper airway of obstructions (i.e. finger-sweep) with Oropharyngeal airway (OPA) measurement and placement
3. Surgical airways (Quick-Trach®, Cricothyroidotomy, Cricothyroidcentesis, etc.)
4. Chest Needle Thoracentesis
5. Sternal Intraosseous Catheter Insertion
6. Proximal Humerus Intraosseous Catheter Insertion

6-IN-1 TACTICAL COMBAT CASUALTY CARE (TCCC) TRAINER

> PARTS AND COMPONENTS



Your new 6-in-1 includes the following:

- | | | |
|--------------------------------|---------------------------|-------------------------------|
| 1. Skeleton head and torso (1) | 4. Neck skins* (3) | 7. Humeral head IO pucks* (4) |
| 2. Training skins** (2) | 5. Sternal IO pucks* (10) | 8. Repair kit* (1) |
| 3. Chest liners** (2) | 6. Tracheas* (10) | 9. Eyes (set of 2) |
| | | 10. Chest muscle** (1) |
| | | + Manual (1) |

* Consumable parts

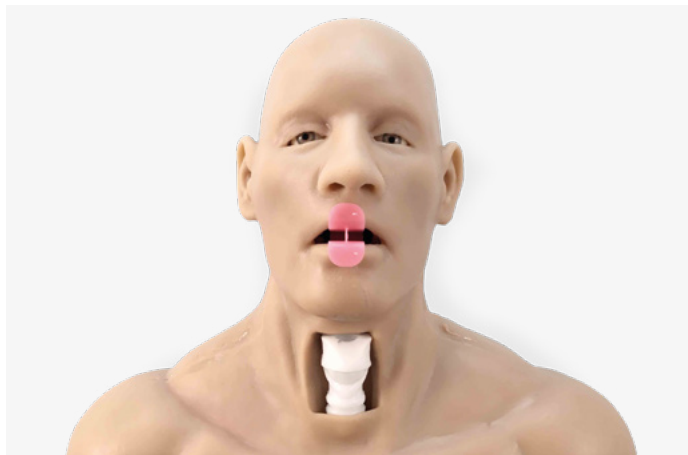
** Replacement parts

6-IN-1 TACTICAL COMBAT CASUALTY CARE (TCCC) TRAINER

> 6-IN-1 PROCEDURAL CAPABILITIES



1. NPA Adjunct Insertion (with Oropharyngeal visual confirmation of proper measurement and placement).



2. Clearing upper airway of obstructions (i.e. finger-sweep) with OPA measurement and placement.



3. Surgical Airways (Quick-Trach®, Cricothyroidotomy, Control-cric®, Cricothyroidcentesis, Etc.)



4. Chest Needle Thoracentesis.



5. Sternal Intraosseous Catheter Insertion.



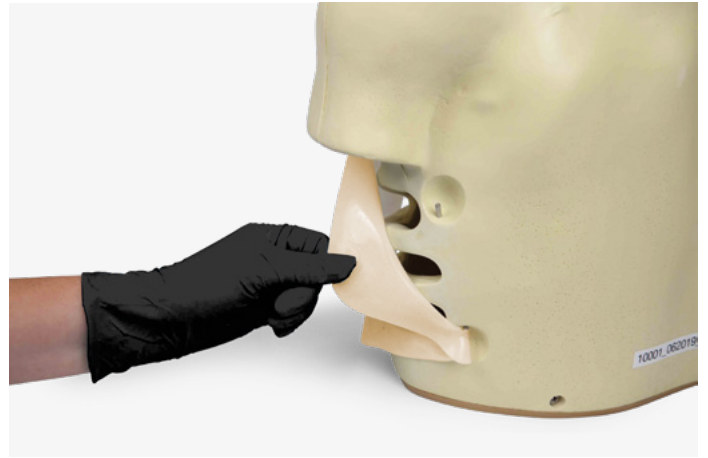
6. Proximal Humerus Intraosseous Catheter Insertion.

6-IN-1 TACTICAL COMBAT CASUALTY CARE (TCCC) TRAINER

> ASSEMBLY



1. Insert Humeral head pucks.



2. Place chest liner on pegs.



3. Stretch chest liner to place on pegs



4. The side should look like this when the chest liner has been placed on the pegs



5. Secure chest liner on peg in front. If necessary, lift the neck foam gently to get chest liner on the peg.



6. Double check that chest liner is securely fastened to all pegs.

6-IN-1 TACTICAL COMBAT CASUALTY CARE (TCCC) TRAINER

This item can be used to thicken up the chest wall so that the intercostal spaces are more difficult to palpate.



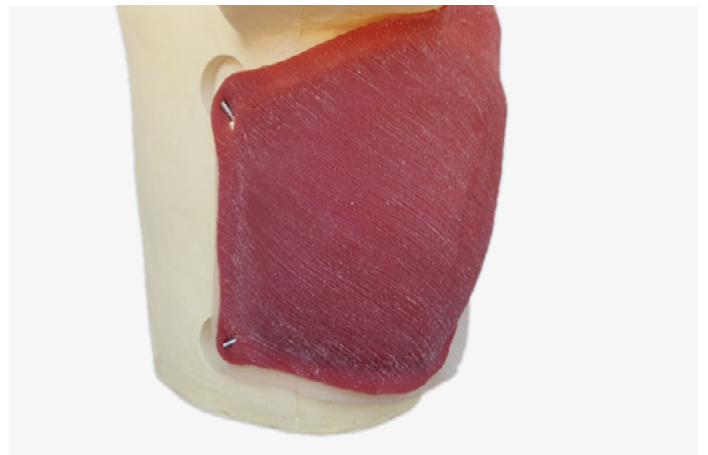
1. Lay out chest muscle.



2. Place chest muscle on pegs.



3. Slightly stretch chest muscle to attach on peg



4. The side should look like this when the chest muscle has been placed on the pegs



5. Secure chest muscle on peg in front. If necessary, gently lift or remove the neck foam to get chest muscle on the peg.



6. Double check that chest muscle is securely fastened to all pegs. Check neck foam is correctly placed.

6-IN-1 TACTICAL COMBAT CASUALTY CARE (TCCC) TRAINER



7. Insert Sternal IO puck.



8. Place skin over skeleton and zip.



9. Place Trachea in neck.



10. Fasten neck skin over trachea.

6-IN-1 TACTICAL COMBAT CASUALTY CARE (TCCC) TRAINER

> CLEANING



If fluid was used during I/O procedure

1. Remove the skin from skeleton



2. Remove the (4) screws from bottom of the skeleton torso



3. Remove bottom tray and wipe out inside.



4. Replace bottom tray and secure with screws.

6-IN-1 TACTICAL COMBAT CASUALTY CARE (TCCC) TRAINER

> TORSO SKIN REPAIR



1. Locate site that needs to be repaired.

NOTE: Skin can be repaired while on skeleton torso or laid out separately.



2. Clean site with 99% alcohol and cloth, wiping away excessive dirt and debris (Note, any dirt or debris left on repair site will be permanently sealed into the repair).



3. Pull traction on skin and fill void space with pigmented silicone.



4. Release tension and apply pigmented silicone to any superficial area that needs extra attention.



5. Smooth silicone using a flat edge and squeeze incision site together to push excess silicone out, and ensure anatomical landmarks are not obscured.



6. Wipe repair site with 99% alcohol to remove excess silicone.

Let repair sit undisturbed for 2 hours minimum, ideally 4 hours for the best results.

6-IN-1 TACTICAL COMBAT CASUALTY CARE (TCCC) TRAINER

> NECK SKIN REPAIR



1. Locate site that needs to be repaired.



2. Clean site with 99% alcohol and cloth, wiping away excessive dirt and debris (Note, any dirt or debris left on repair site will be permanently sealed into the repair).



3. Once clean, squeeze incision so that both edges are accessible to repair. Apply pigmented silicone to site.



4. Smooth silicone using a flat edge and squeeze incision site together to push excess silicone out, and ensure anatomical landmarks are not obscured.



5. Wipe repair site with 99% alcohol to remove excess silicone.

Let repair sit undisturbed for 2 hours minimum, ideally 4 hours for the best results.

6-IN-1 TACTICAL COMBAT CASUALTY CARE (TCCC) TRAINER

> MOUTH TEAR REPAIR



1. Locate site that needs to be repaired.



2. Clean site with 99% alcohol and cloth, wiping away excessive dirt and debris. (Note, any dirt or debris left on repair site will be permanently sealed into the repair.)



3. Apply pigmented silicone to the tear. Let the skin on the corner of the mouth come together naturally and apply pigmented silicone to any superficial area that needs extra attention. Smooth edges and remove excess silicone.



4. Wipe repair site with 99% alcohol to remove excess silicone.

Let repair sit undisturbed for 2 hours minimum, ideally 4 hours for the best results.

6-IN-1 TACTICAL COMBAT CASUALTY CARE (TCCC) TRAINER

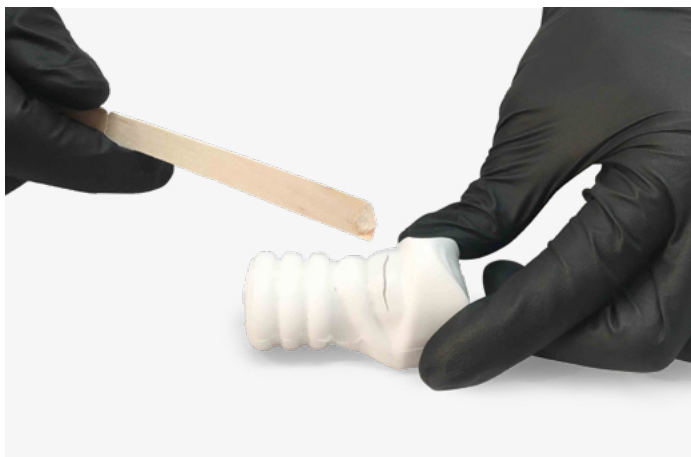
> INDIVIDUAL TRACHEA REPAIR



1. Gently expose cricothyroid membrane where previous cut has been made.



2. Clean site with 99% alcohol and cloth, wiping away excessive dirt and debris. (Note, any dirt or debris left on repair site will be permanently sealed into the repair.)



3. Using a small amount of clear silicone and a flat edge, fill in space that requires repair. (Using too much silicone can compromise the cricothyroid membrane site and interrupt further endotracheal tube insertion.)



4. Wipe away excess silicone with flat edge on the outside of the cricothyroid membrane.



5. Using a cotton swab, enter the trachea from the inferior aspect and wipe away any excess silicone that may be on the inside of the trachea.



6. Wipe repair site with 99% alcohol to remove excess silicone.

Let repair sit undisturbed for 2 hours minimum, ideally 4 hours for the best results.

6-IN-1 TACTICAL COMBAT CASUALTY CARE (TCCC) TRAINER

> GENERAL SAFETY



WARNING: SCALPEL USE

Whenever uncapping a scalpel or needle, it is strongly recommended the user call off “hot sharps” to notify all persons in proximity to stay clear of the cut or puncture hazard. This also communicates to the patient actor to cease all movement or resistance in their acting. “Cold sharps” may also be used to communicate the sharp has been safely disposed of.



WARNING: 99% ALCOHOL

When using the 99% alcohol to clean the repair site, it is strongly recommended that the user wear eye protection. Vapor and splashes can cause eye irritation to include corneal burns and other eye damage.

Ingestion may cause drowsiness, G.I. cramps, nausea, vomiting, diarrhea, and in extreme cases, may result in death. Skin contact may cause redness and pain.

SILICONE:

Please refer to manufacturers label for all warning and side effects.

GLOVES:

Always wear gloves to protect hands at all times including during operation, assembly, disassembly and repair.

SAFETY GLASSES:

Users of the 6-in-1 should wear Occupational Safety and Health Administration (OSHA) approved or EN 166-certified eyewear at all times including during assembly, operation, disassembly, and repair. This is not only to prevent irritants from contaminating the eyes but also to protect users from potential injury from foreign bodies or projectiles.

> CONSUMABLE/REPLACEMENT PARTS

In case of need to replace or re-stock any parts of the 6-in-1 Trainer, please go to the 3b Scientific website or reach out to your sales contact.

- 1025849 Chest liner (package of 4)
- 1025850 Chest muscle
- 1025852 Humeral head IO pucks (package of 4)
- 1025853 Neck skin (package of 3)
- 1025857 Repair Kit
- 1025854 Training skins (package of 2)
- 1025855 Sternal IO pucks (package of 10)
- 1025856 Trachea (package of 10)