

# VATA

*Realism in Clinical Simulation*

## ***Bonnie Bone Marrow Biopsy™*** **Skills Trainer – 0240**

### **USER MANUAL**



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Thank you for your purchase of **VATA's Bonnie Bone Marrow Biopsy™ Skills Trainer**

**Bonnie Bone Marrow Biopsy™ Skills Trainer - 0240** was developed with clinician input to provide a realistic simulation for teaching and practicing bone marrow biopsy procedures of the posterior spine and pelvic region. **Bonnie** was modeled from an average size female pelvic bone and spine to allow for the palpation of landmarks, such as the spinous process and the anterior and posterior iliac crests to facilitate proper biopsy needle placement.

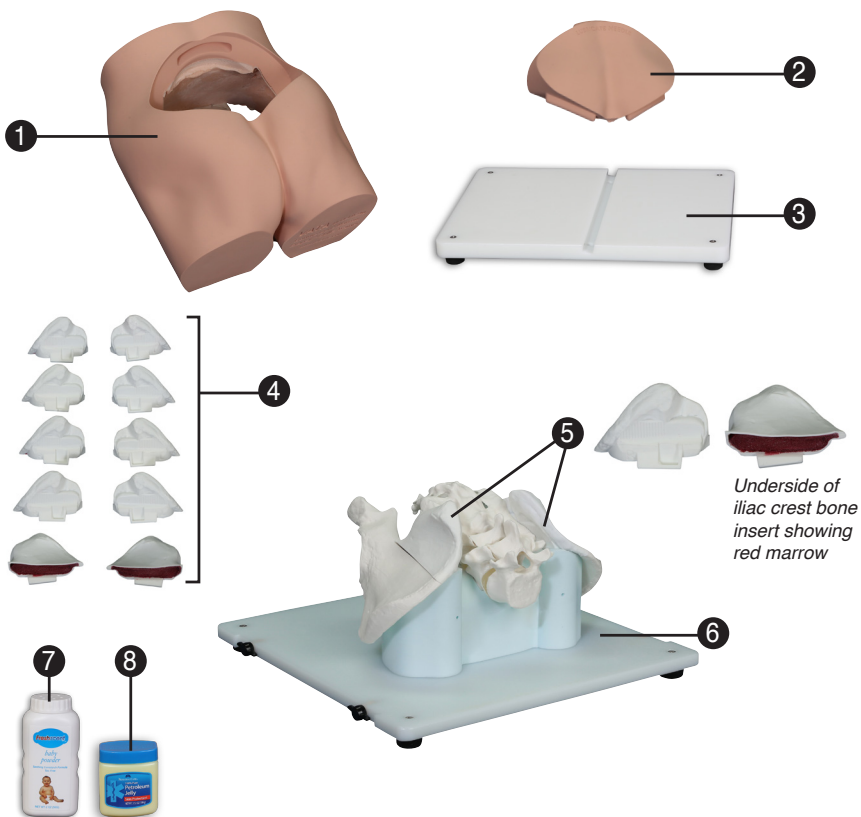
The **Bonnie** trainer includes a tilt base to simulate treating patients in prone or side-lying positions. Right and left posterior iliac crest bone inserts are designed to be replaceable and incorporate simulated bone marrow that can be extracted during simulated biopsy procedures to confirm proper technique.

The body skin shell has a soft feel and can be easily removed to expose the entire underlying pelvic/spine anatomy and to facilitate the replacement of the iliac crest bone inserts. The design also incorporates a replaceable puncture site insert located over the posterior iliac crest bones, to allow for multiple site punctures.

**Bonnie Bone Marrow Biopsy™ Skills Trainer** can help your clinical staff gain valuable skills while building confidence and the competence needed for safe biopsy procedures.



## Bonnie Bone Marrow Biopsy™ Skills Trainer - 0240 Product Components



- ① Replaceable - Body Skin Shell - 0242
- ② Replaceable - Puncture Site Skin Insert - 0243
- ③ 10-Degree Tilt Base - 0244
- ④ 5 Sets Replaceable Iliac Crest Bone Inserts - 0246
- ⑤ Replaceable - Left & Right Iliac Crest Bone Insert
- ⑥ Base Tray with non-skid pads
- ⑦ Baby Powder for skin surfaces
- ⑧ Vaseline to lubricate the biopsy needles

## Set-Up Instructions

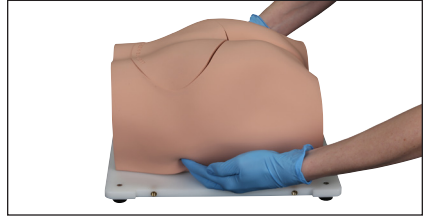


**Bonnie Bone Marrow Biopsy™ Skills Trainer** is ready to use right out of the box.



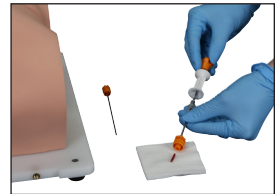
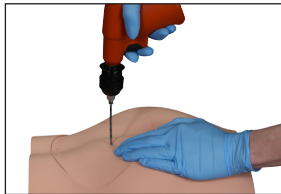
**Bonnie Bone Marrow Biopsy™ Skills Trainer** can be oriented in either prone or side-lying positions to accommodate different set-ups. For side-lying positions, the **Bonnie Trainer** must be attached to the Tilt Base.

## Set-Up Instructions – Prone Position



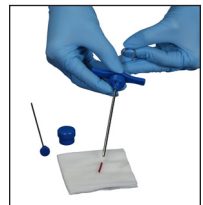
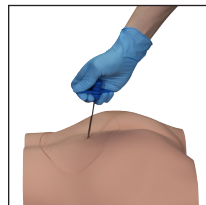
1. Palpate to localize either the anterior or posterior iliac crest as well as the spinous process, to ensure proper needle placement.

2. Prior to performing biopsy skills training, be sure to apply Vaseline to the entire length of your biopsy needle. **Failure to do so will reduce the useful life of the puncture site skin insert.**



3. To access to posterior iliac crest, identify the appropriate location for needle insertion by following your institution's protocol. Puncture the skin through the puncture site skin insert. Similar to an actual biopsy procedure, the needle will bore through the simulated bone and be able to extract a sample of simulated bone marrow.

4. **Bonnie** can be used with either powered or hand biopsy needles to help clinicians develop psychomotor skills and confidence before accessing a real patient.



## Set-Up Instructions – Side Lying Position

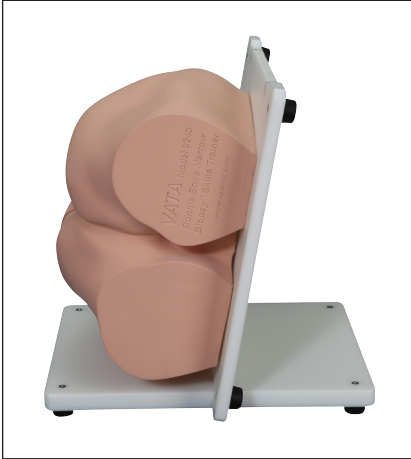


1. Slide the **Bonnie** trainer into the 10-degree angled slot on the tilt base. The **Bonnie Bone Marrow Biopsy™ Skills Trainer** is notched on both left and right sides to allow for orienting the trainer for side-lying positions.



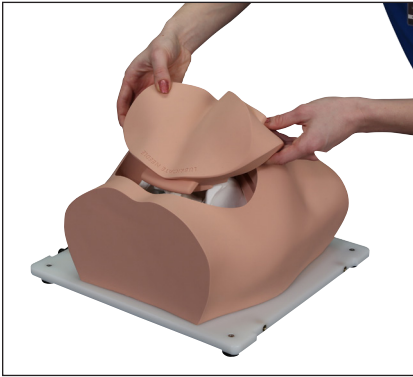
2. Insert the two black thumbscrews at the bottom of the **Bonnie** trainer to properly secure the tilt base. Finger tighten the thumbscrews.

## Set-Up Instructions – Side Lying Position, Continued

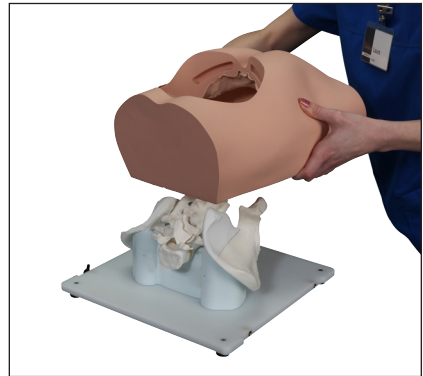
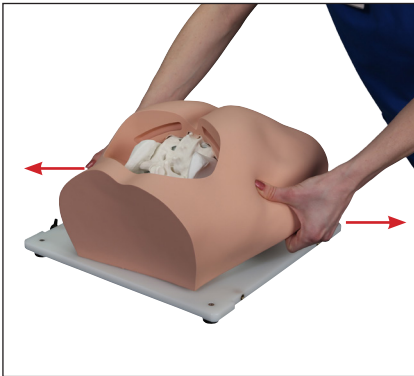


3. The **Bonnie** trainer and tilt base are designed to have a close fit. Press down firmly to seat both pieces together. When properly positioned the **Bonnie** trainer with tilt base should be at a 10-degree tilt off vertical.

## Care & Maintenance Instructions

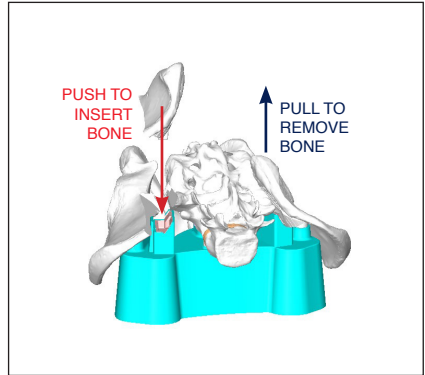
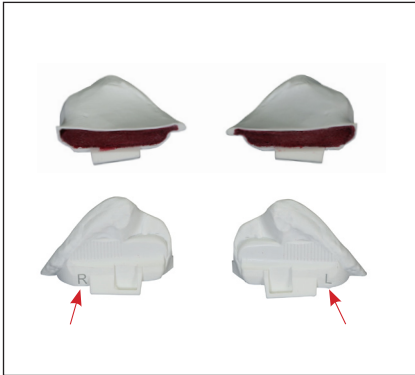


1. To access the underlying pelvic bone structure and posterior iliac crest bone inserts, lift the puncture site skin insert to separate it from the body skin shell.



2. Next remove the body skin shell by pulling the side in an outward direction as shown, to separate it from the pelvic bone structure. Lift the body skin shell away from the pelvic bone structure and set aside.

## Care & Maintenance Instructions, Continued



3. The posterior iliac crest bone inserts are individually labeled with “L” for left and “R” for right. These can easily be removed by pulling out and inserted by pushing into place per the pictured instructions.

## Helpful Hints

- Lubricate the entire length of the biopsy needle with Vaseline to increase the life of the puncture site skin insert. **Failure to do so will result in a shorter useful life for the puncture site skin insert.**
- Puncture site skin insert has been tested for up to 200 punctures before needing replacement. Iliac crest bone inserts can provide up to 18 biopsy needle punctures before needing replacement.

## Cleaning Instructions



1. Skills Trainer can be easily disassembled for cleaning. Wipe off any residual Vaseline on the skin surface before cleaning the trainer.
2. All surfaces can be cleaned using a mild soap and water or wiped with alcohol.
3. Dry the trainer with a non-linting towel.
4. Once the surface of the trainer is completely dry, apply supplied baby powder to remove any stickiness and wipe off any excess powder before placing trainer in the carrying case.

## Storage Instructions

1. Do not rest any objects on skin surface as this may leave a permanent imprint.
2. Place the model in the carrying case and store in the upright position when not in use.

## Refurbishing Service

The purchase of training models is a significant financial investment. Realizing this, **VATA** is proud to offer a refurbishing service to bring your model to like-new condition. Please call **VATA Customer Service** for instructions on how to return your model. Once your model is received, it will be evaluated and you will be contacted to approve the cost of refurbishing before any work is performed. Turn-around time to complete a refurbishing is less than one week.

## Bonnie Bone Marrow Biopsy™ Skills Trainer - 0240 Parts List

The following items are available for purchase without returning your model. Additional replacement parts are available at [www.vatainc.com](http://www.vatainc.com).



**Product # Description**

**0240** *Bonnie Bone Marrow Biopsy™ Skills Trainer*



**0241** *Bonnie Bone Marrow Biopsy™ Skills Trainer Carrying Case*



**0242** Replaceable Body Skin Shell



**0243** Replaceable Puncture Site Skin Insert



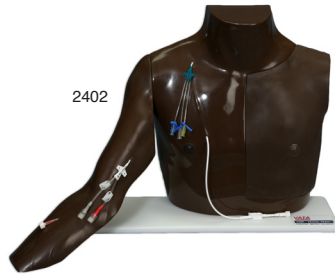
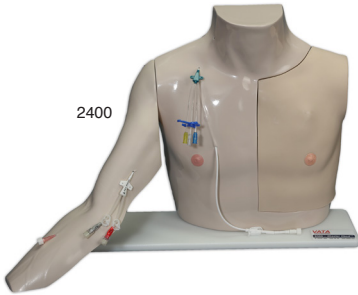
**0244** 10-Degree Tilt Base



**0246** 5 Sets - Replaceable Left & Right Iliac Crest Bone Inserts

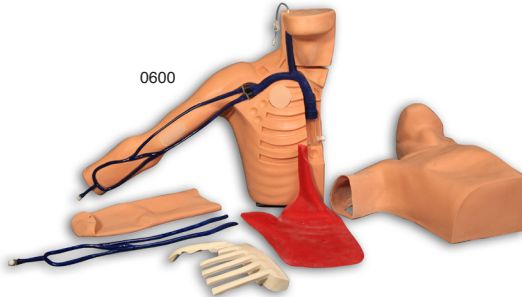
**0247** Replaceable Puncture Site Skin and 5-sets Left & Right Iliac Crest Bone Inserts

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**Chester Chest™ With New Standard Arm - 2400**

**Chester Chest™ With New Standard Arm - Darkly Pigmented - 2402**



**Peter PICC Line™ - 0600**



**Advanced Four-Vein Venipuncture™ Training Aid - 2365**

**Advanced Four-Vein Venipuncture™ Training Aid - Darkly Pigmented - 2366**

