

چند تکنیک بسته بندی در فرآیند استریلیزاسیون

Keep Advancing and Live Your Life as a Champion



Keep Advancing and Enjoy Your Life as a Champion



Textile Packs

مان آرتا سلامت
MARSIMEX



Keep Advancing and Live Your Life as a Champion



Textile Packs

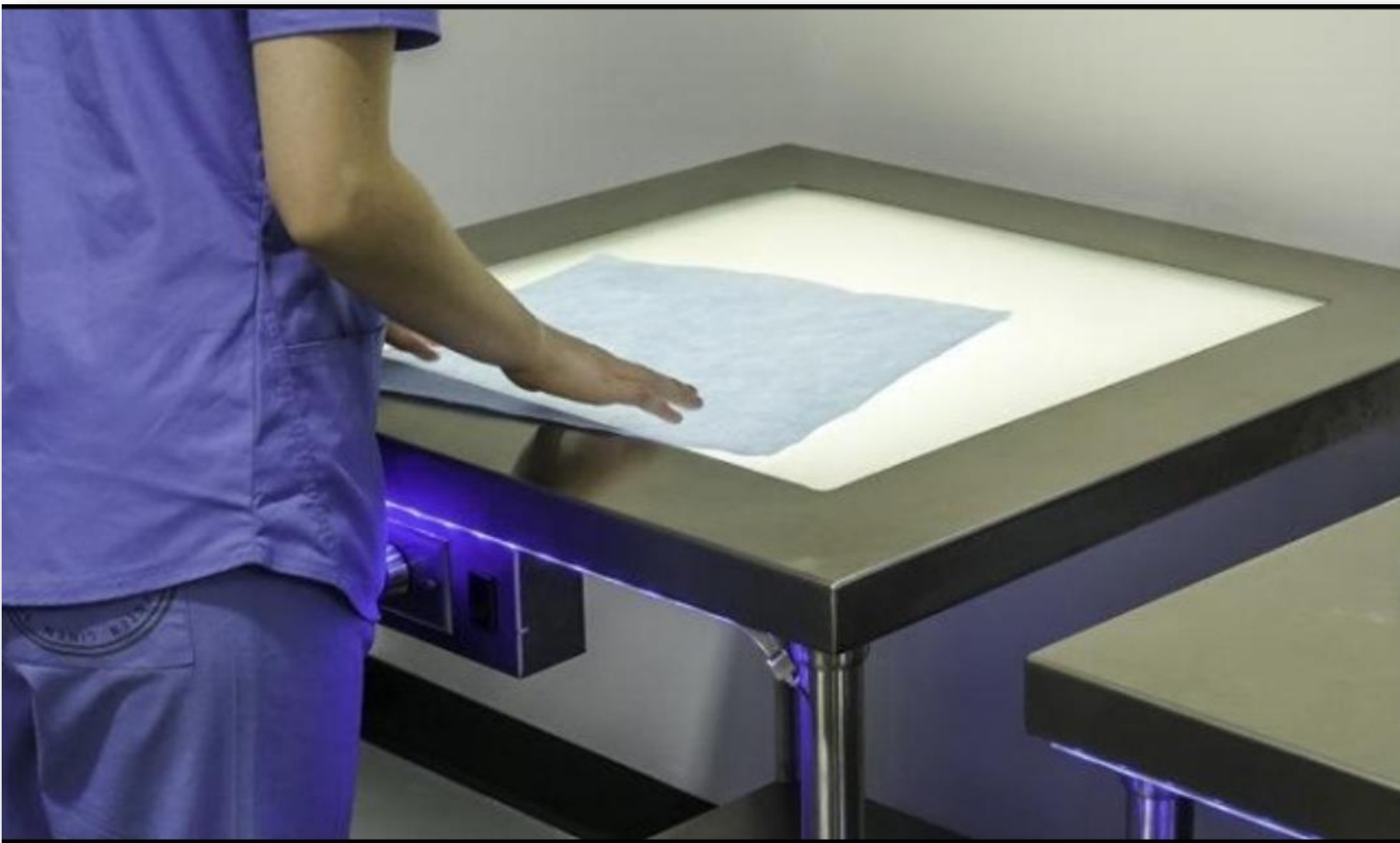
- توجه به امکان خروج و ورود هوا/ ورود و خروج بخار
- پک نباید فشرده (متراکم) یا آزاد بسته شود
- The wrapper should be securely applied but not pulled in such a way that the contents are compressed



بسته بندی در فرآیند استریلیزاسیون

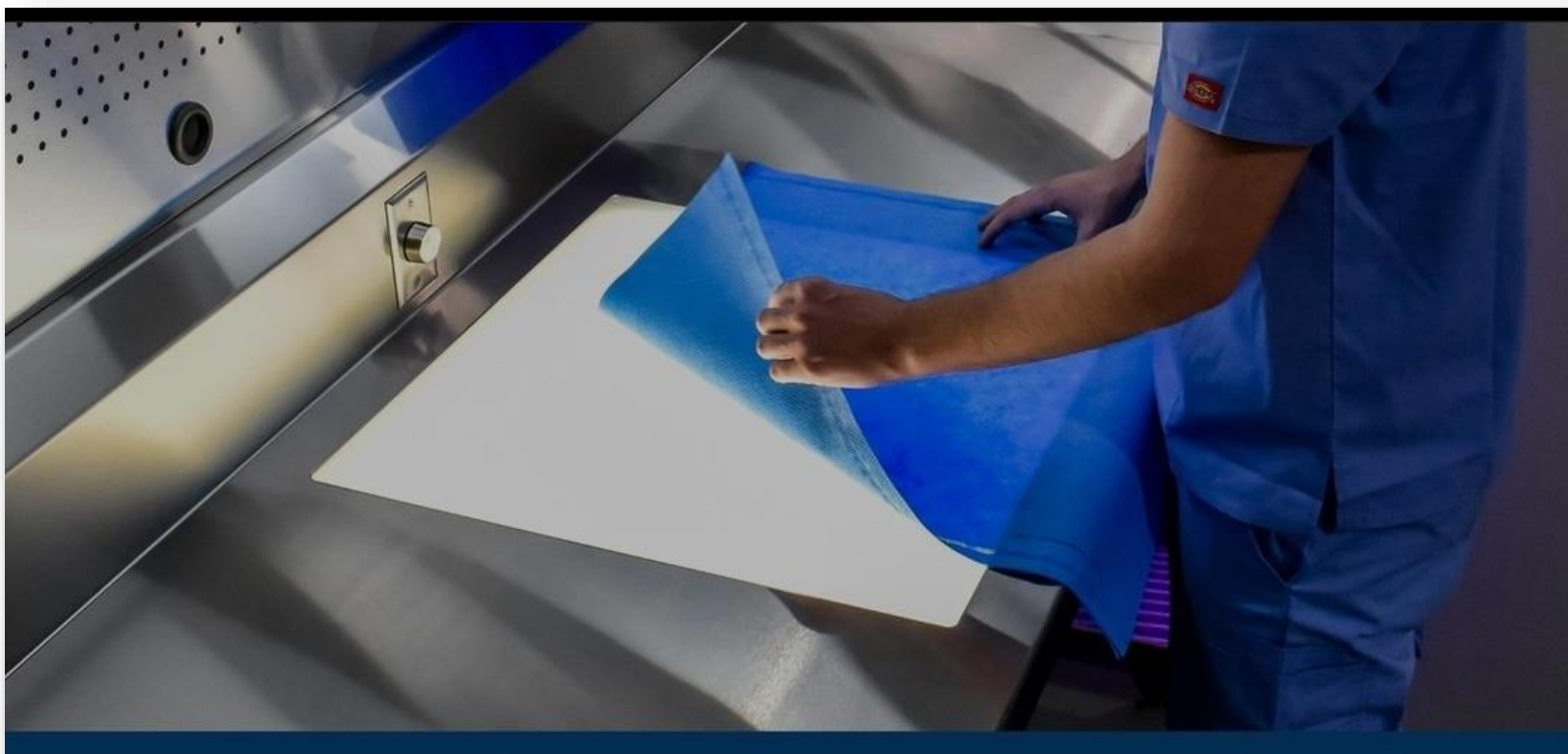
اهمیت بازرسی و پرزگیری پارچه ها

Keep Advancing and Live Your Life as a Champion



بسته بندی در فرآیند استریلیزاسیون

اهمیت بازرسی و پرزگیری پارچه ها
میزهای کار دارای روشنایی کافی



اندیگاتور شیمیایی تیپ (گلاس) ۱

Process Indicator / Steam tape



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بسته بندی در فرآیند استریلیزاسیون

تکنیک های تازدن و بسته بندی

- Sequential Wrapping: Envelope Fold
 - بسته بندی دولایه متوالی: تا کردن پاکت نامه ای
- Sequential Square
 - بسته بندی دولایه متوالی: چهارگوش یا مربعی
- Simultaneous Double-Wrapping: Envelope Fold
(two single-layer wrappers or one bonded double-layer wrapper)
 - بسته بندی دولایه همزمان: تا کردن پاکت نامه ای
- Simultaneous Double-Wrapping: Square Fold
 - بسته بندی دولایه همزمان: تا کردن چهارگوش یا مربعی



بسته بندی در فرآیند استریلیزاسیون

تکنیک های تازدن و بسته بندی

Sequential Wrapping: Envelope Fold

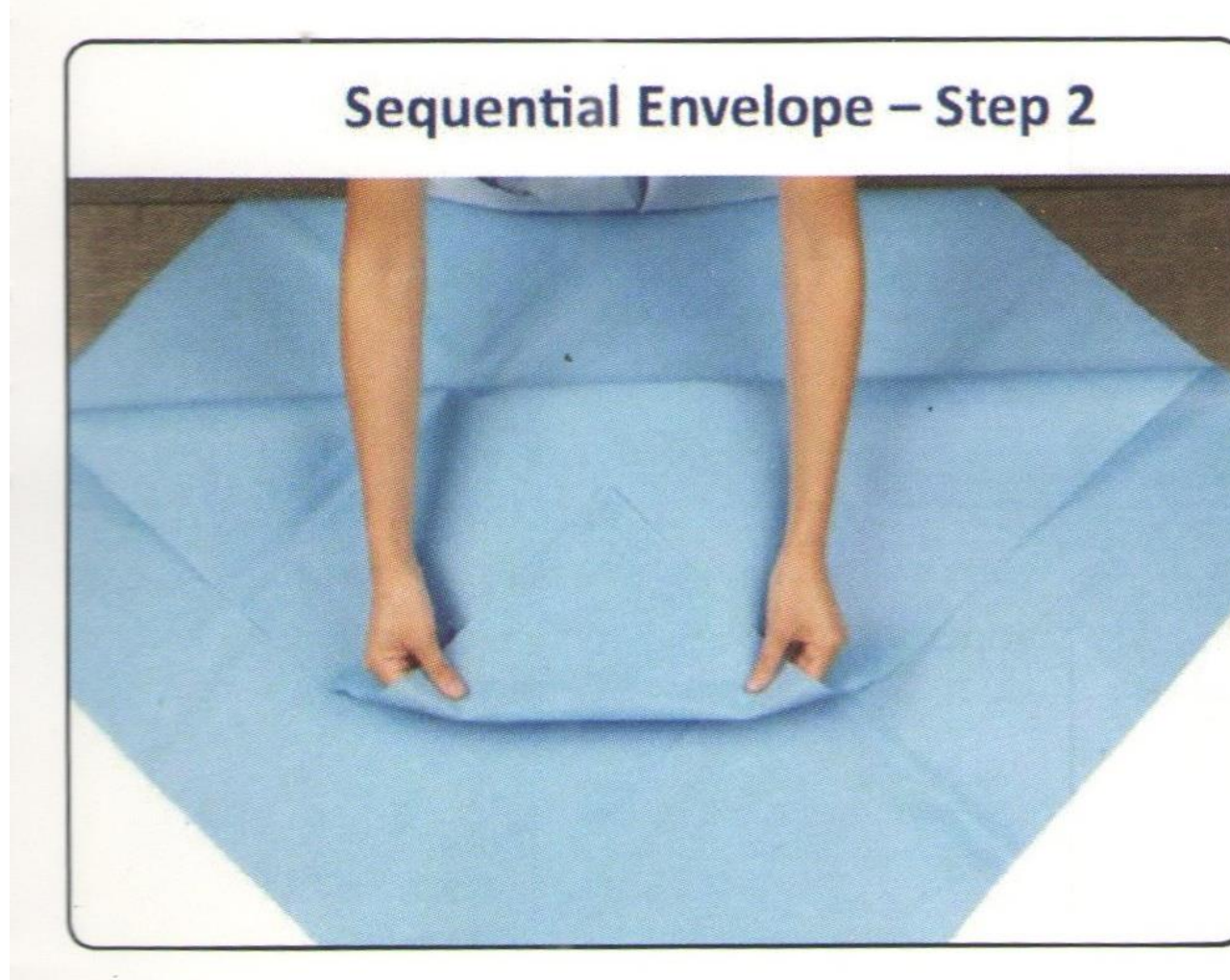
Sequential Envelope – Step 1



بسته بندی در فرآیند استریلیزاسیون

تکنیک های تازدن و بسته بندی

Sequential Wrapping: Envelope Fold



بسته بندی در فرآیند استریلیزاسیون

تکنیک های تازدن و بسته بندی

Sequential Wrapping: Envelope Fold



تکنیک های تازدن و بسته بندی

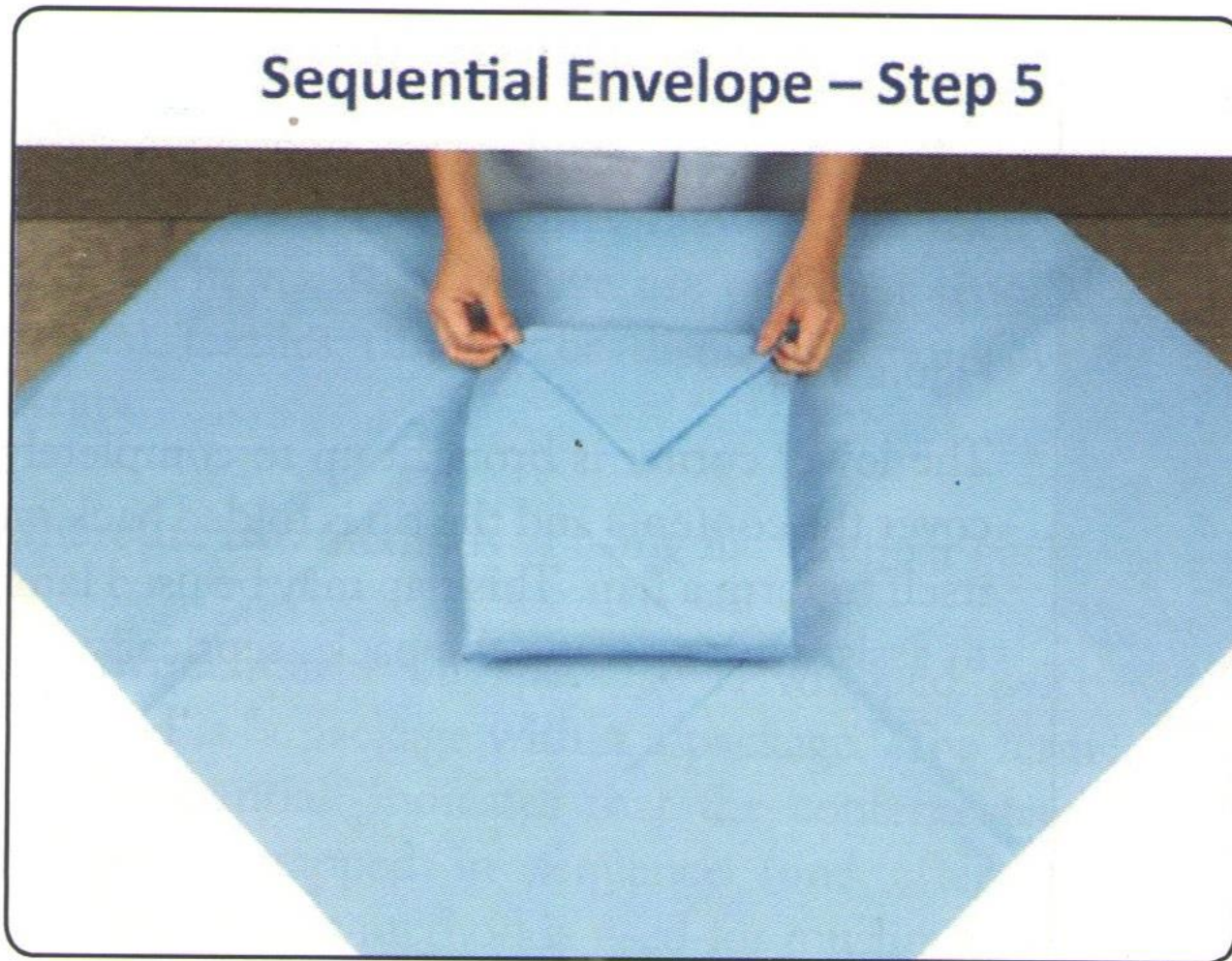
Sequential Wrapping: Envelope Fold

Sequential Envelope – Step 4



تکنیک های تازدن و بسته بندی

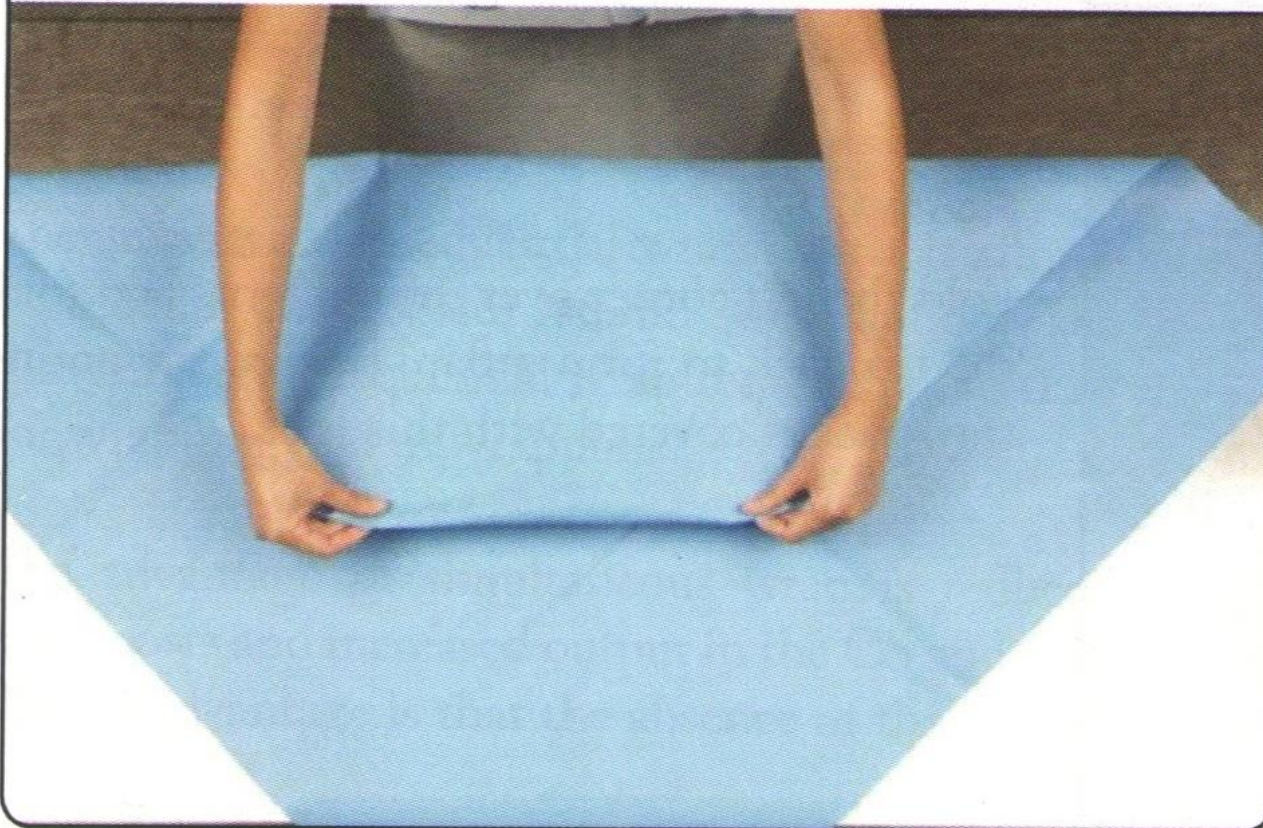
Sequential Wrapping: Envelope Fold



تکنیک های تازدن و بسته بندی

Sequential Wrapping: Envelope Fold

Sequential Envelope – Step 6

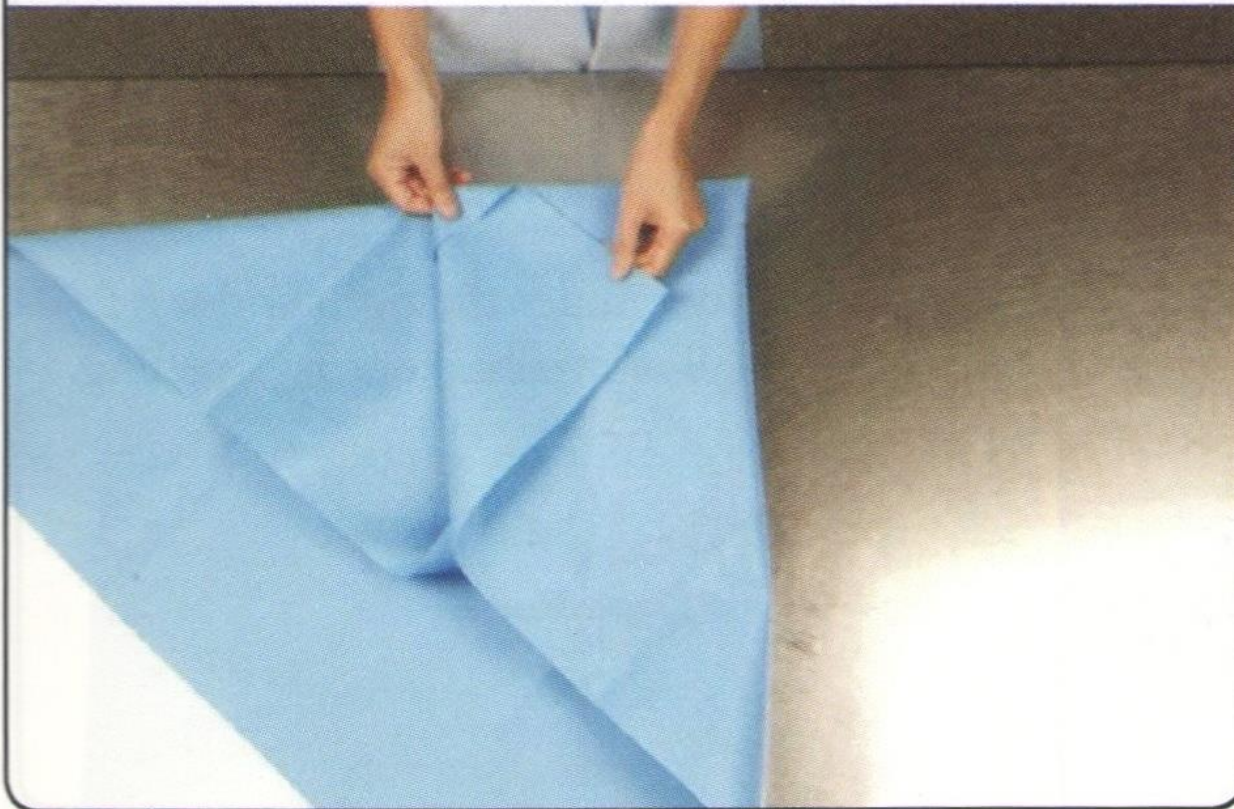


بسته بندی در فرآیند استریلیزاسیون

تکنیک های تازدن و بسته بندی

Sequential Wrapping: Envelope Fold

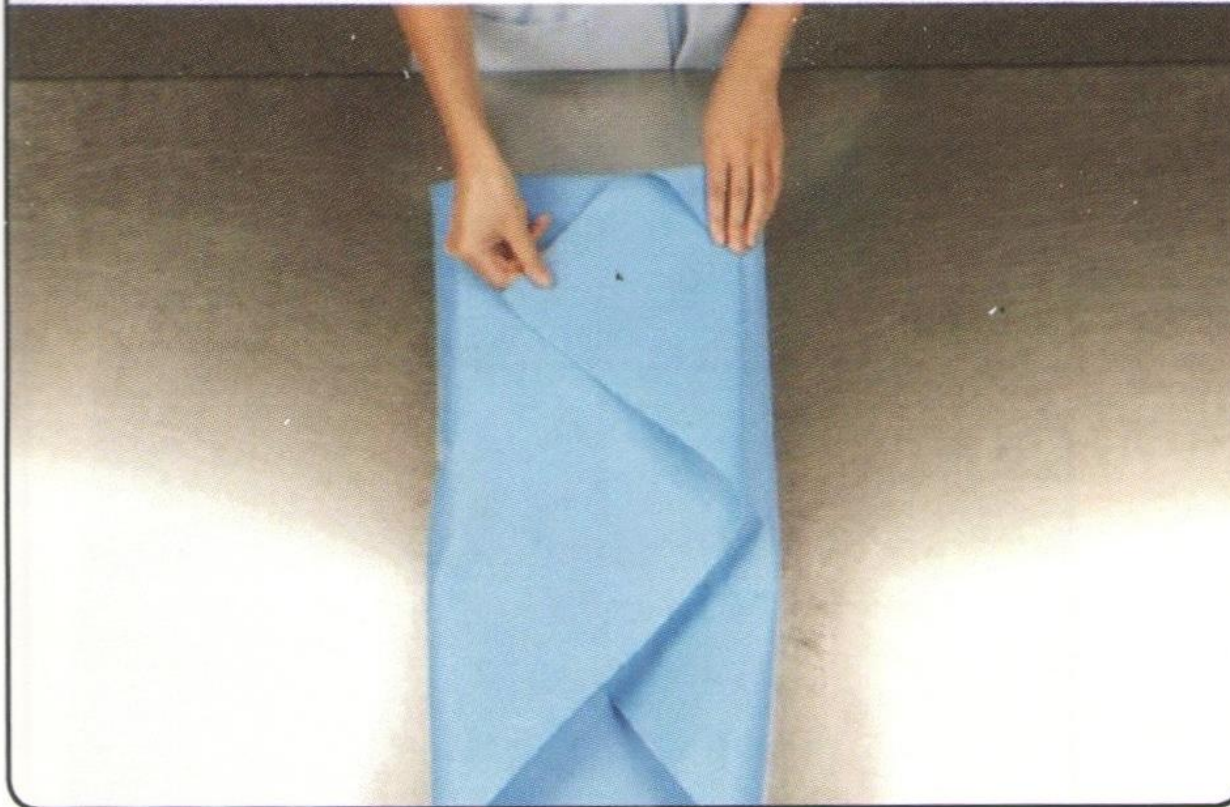
Sequential Envelope – Step 7



تکنیک های تازدن و بسته بندی

Sequential Wrapping: Envelope Fold

Sequential Envelope – Step 8



بسته بندی در فرآیند استریلیزاسیون

تکنیک های تازدن و بسته بندی

Sequential Wrapping: Envelope Fold

Sequential Envelope – Step 9



تکنیک های تازدن و بسته بندی

Sequential Wrapping: Envelope Fold

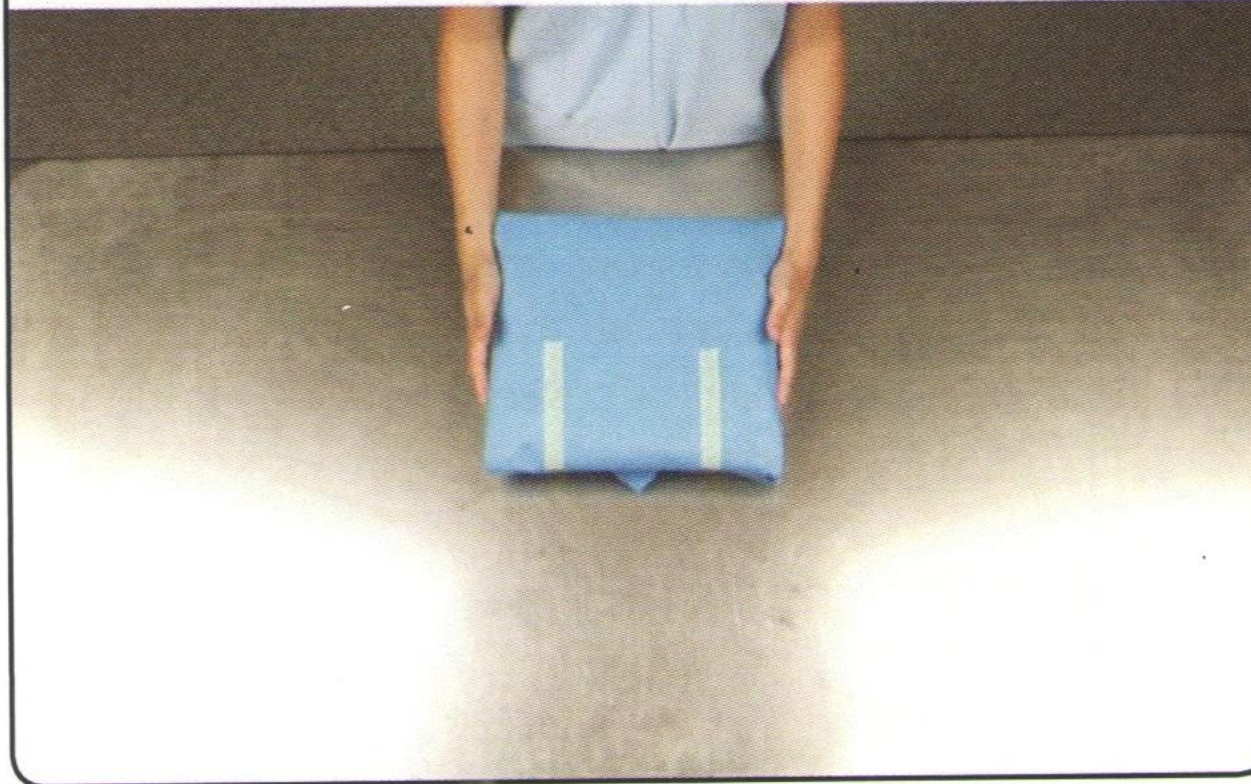
Sequential Envelope – Step 10



تکنیک های تازدن و بسته بندی

Sequential Wrapping: Envelope Fold

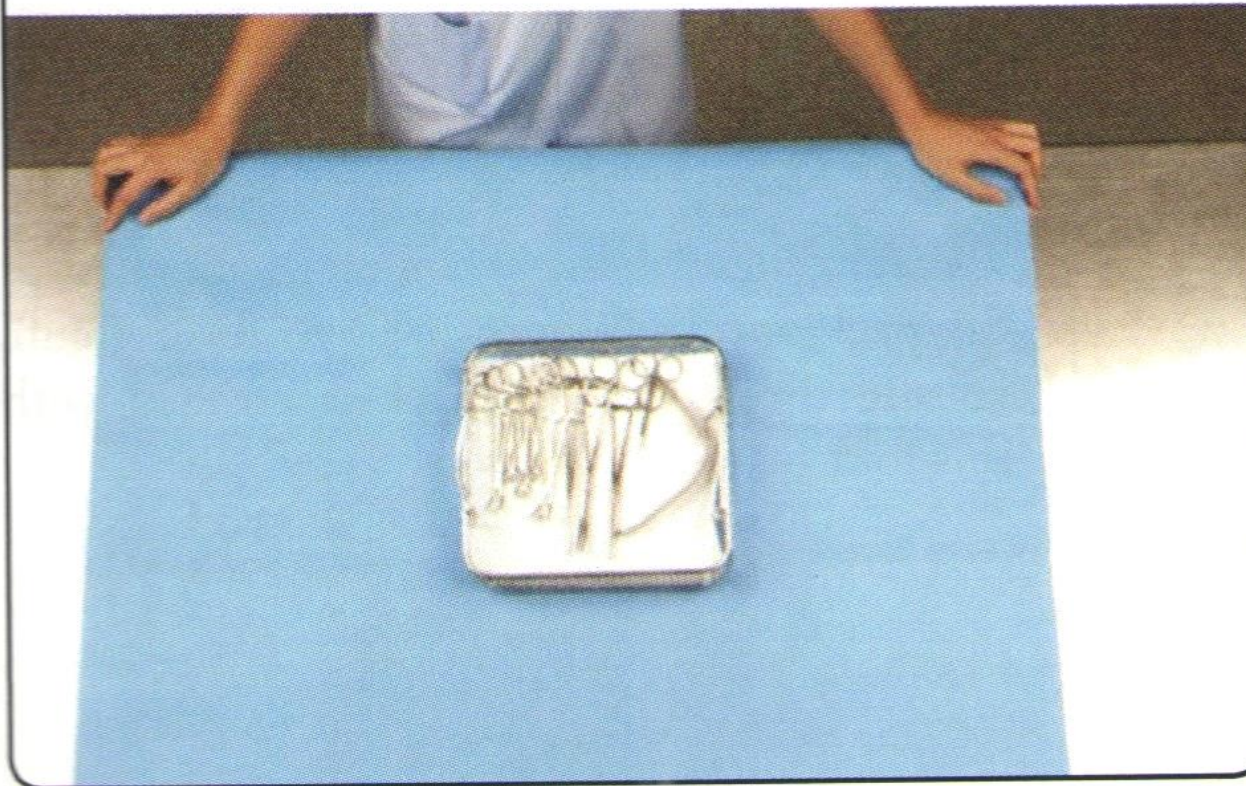
Sequential Envelope - Completed



تکنیک های تازدن و بسته بندی

○ Sequential Square

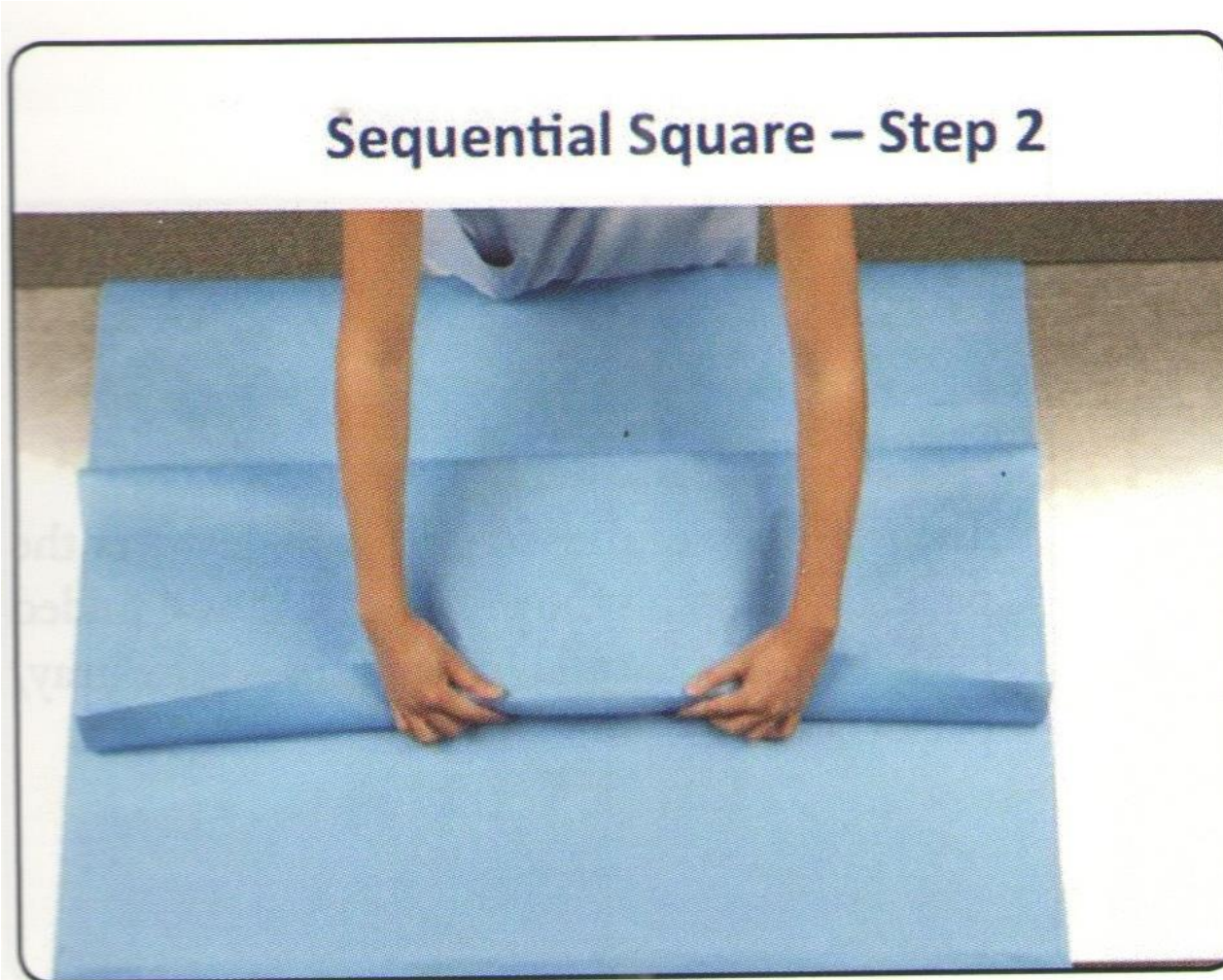
Sequential Square – Step 1



بسته بندی در فرآیند استریلیزاسیون

تکنیک های تازدن و بسته بندی

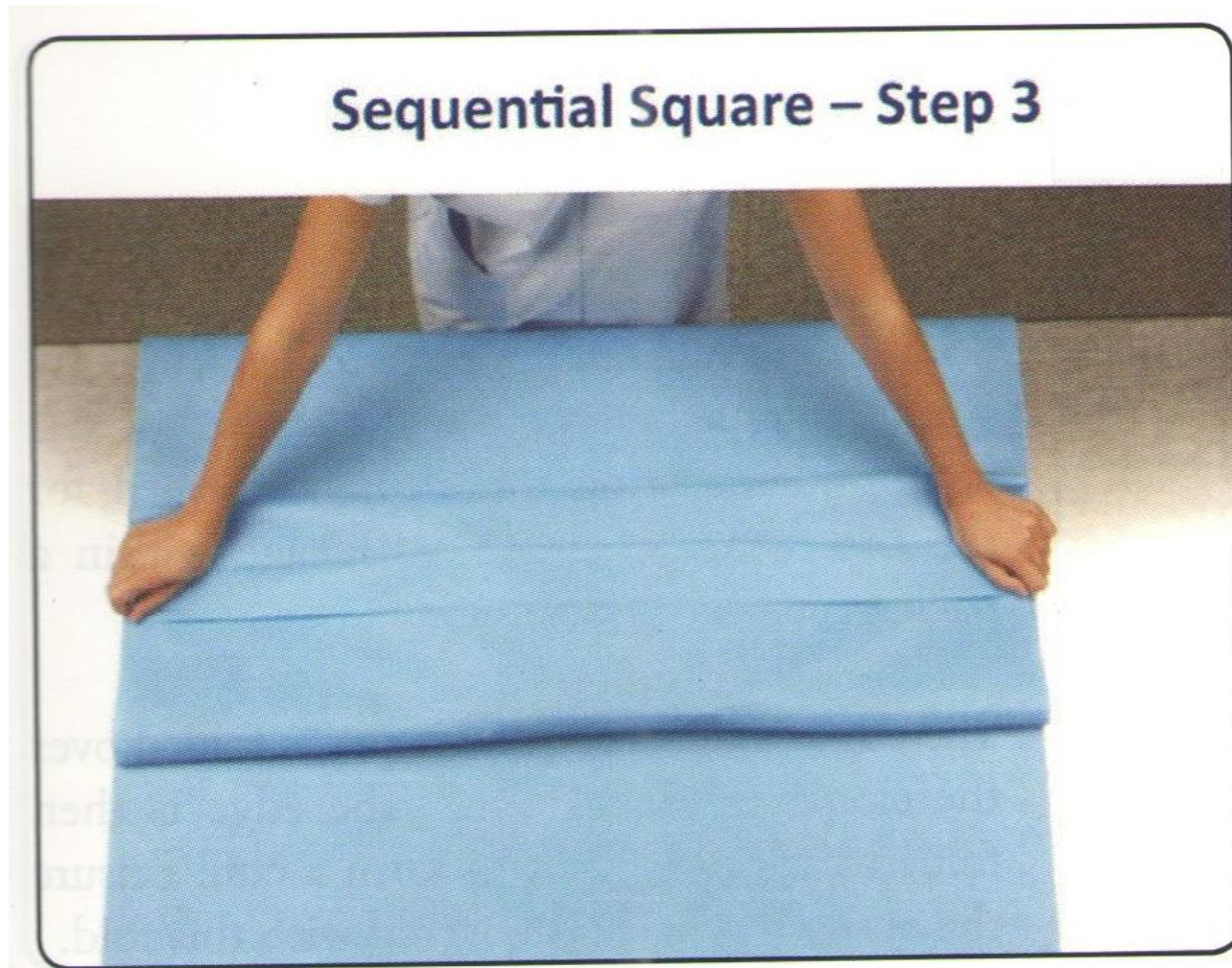
○ Sequential Square



بسته بندی در فرآیند استریلیزاسیون

تکنیک های تازدن و بسته بندی

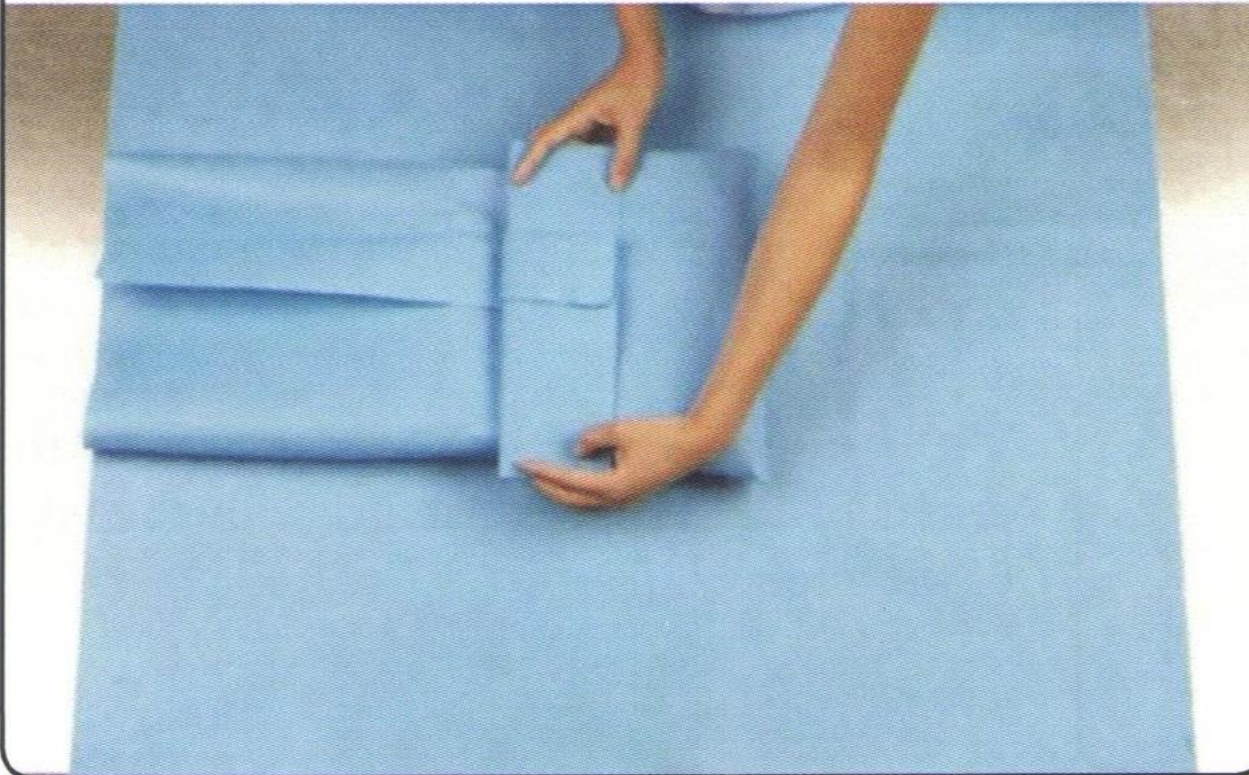
○ Sequential Square



تکنیک های تازدن و بسته بندی

○ Sequential Square

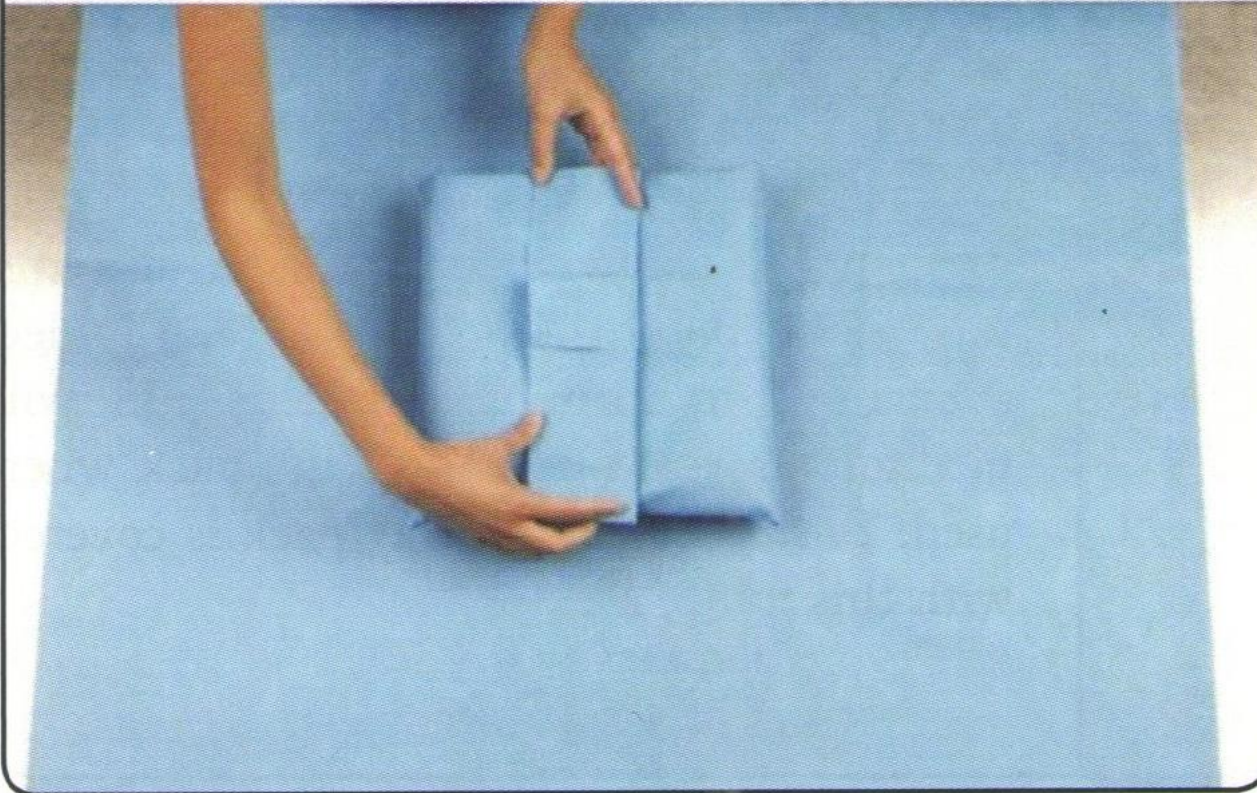
Sequential Square – Step 4



تکنیک های تازدن و بسته بندی

○ Sequential Square

Sequential Square – Step 5

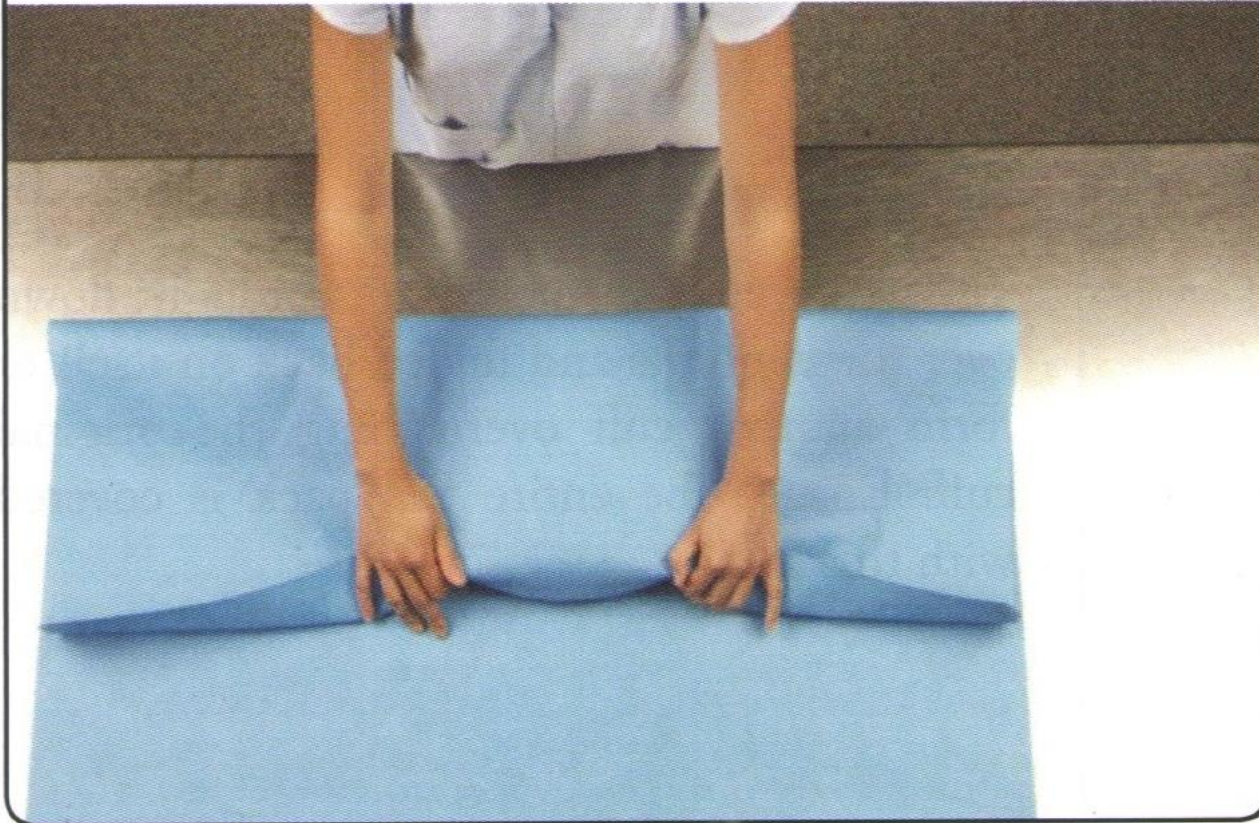


بسته بندی در فرآیند استریلیزاسیون

تکنیک های تازدن و بسته بندی

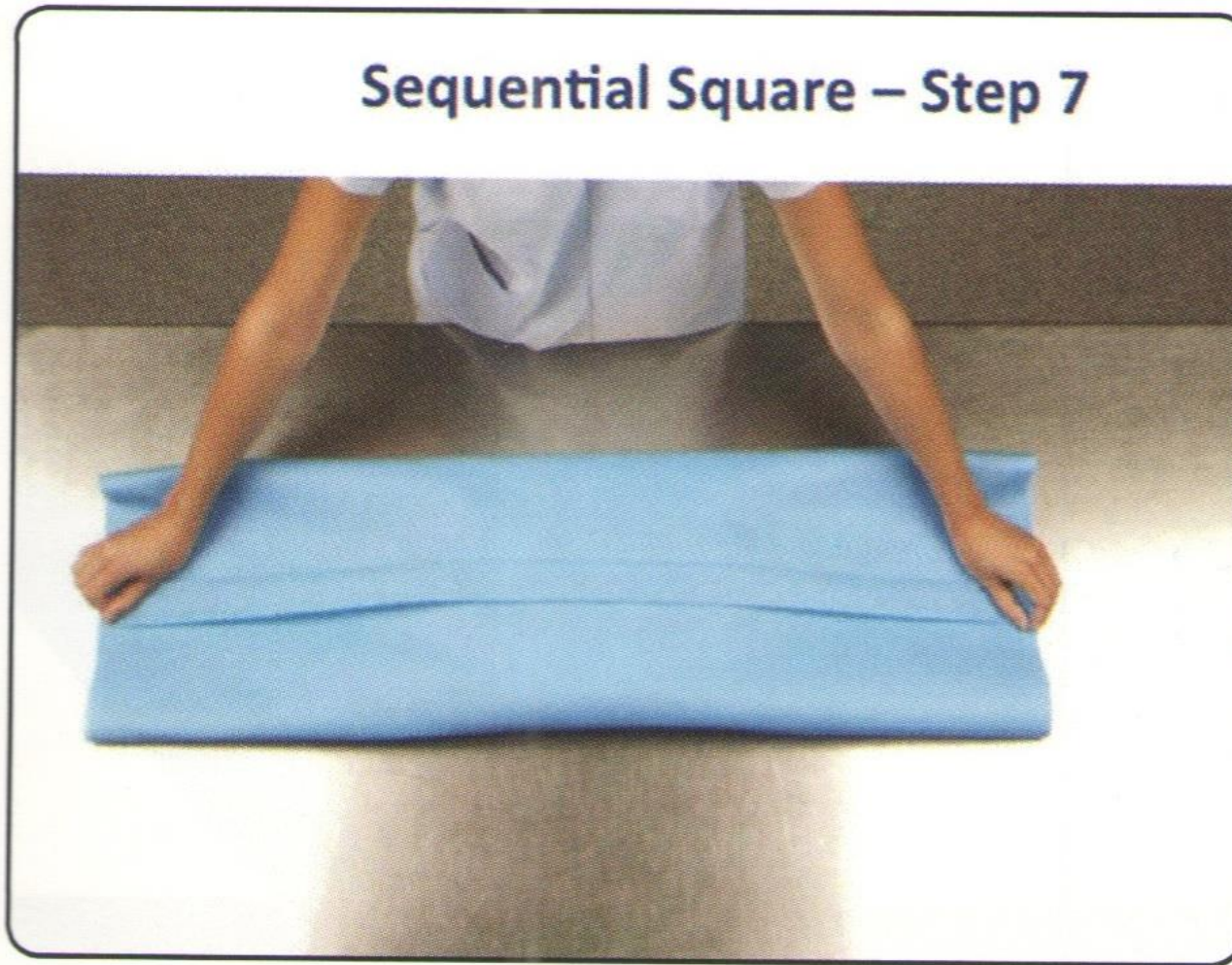
○ Sequential Square

Sequential Square – Step 6



تکنیک های تازدن و بسته بندی

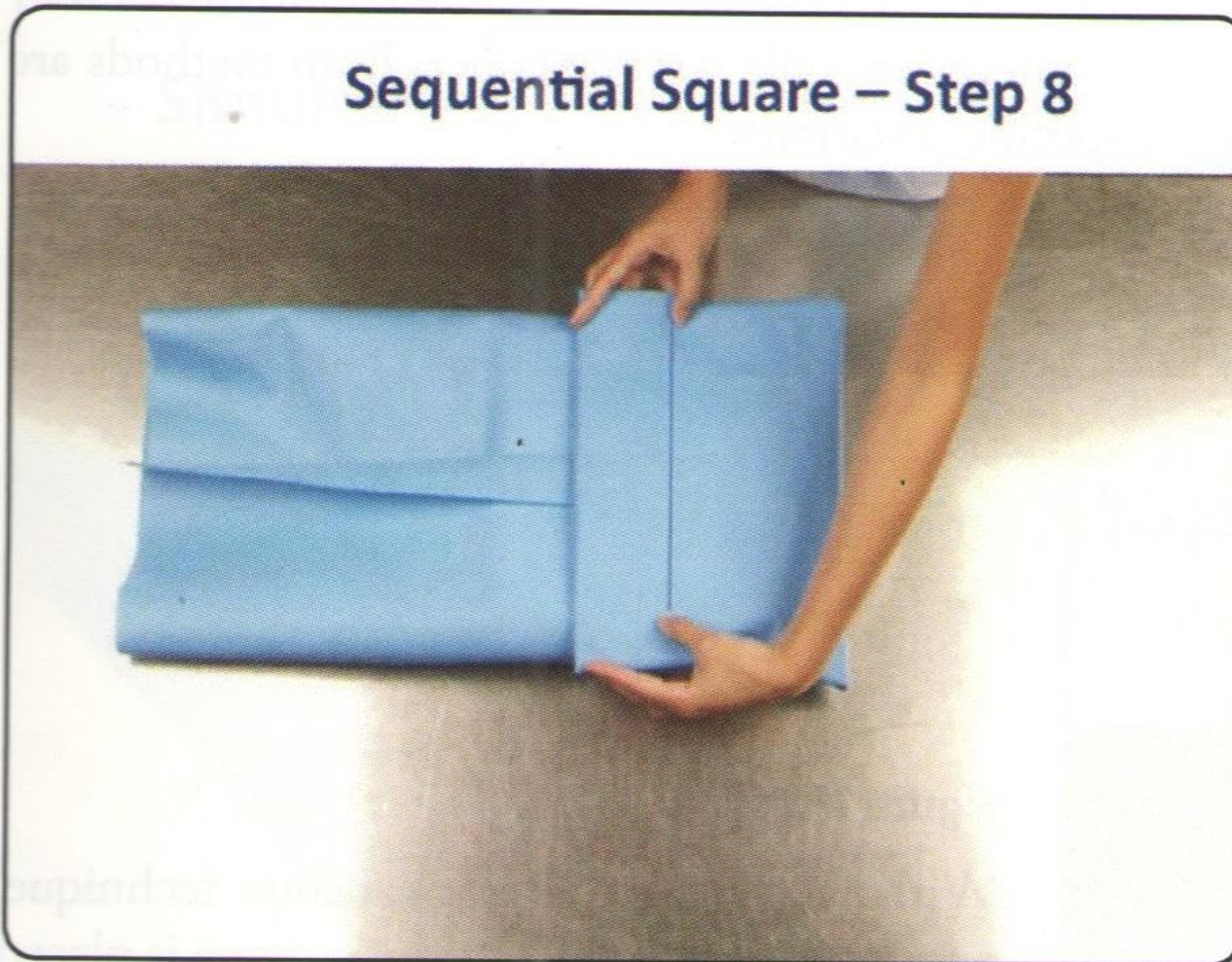
○ Sequential Square



بسته بندی در فرآیند استریلیزاسیون

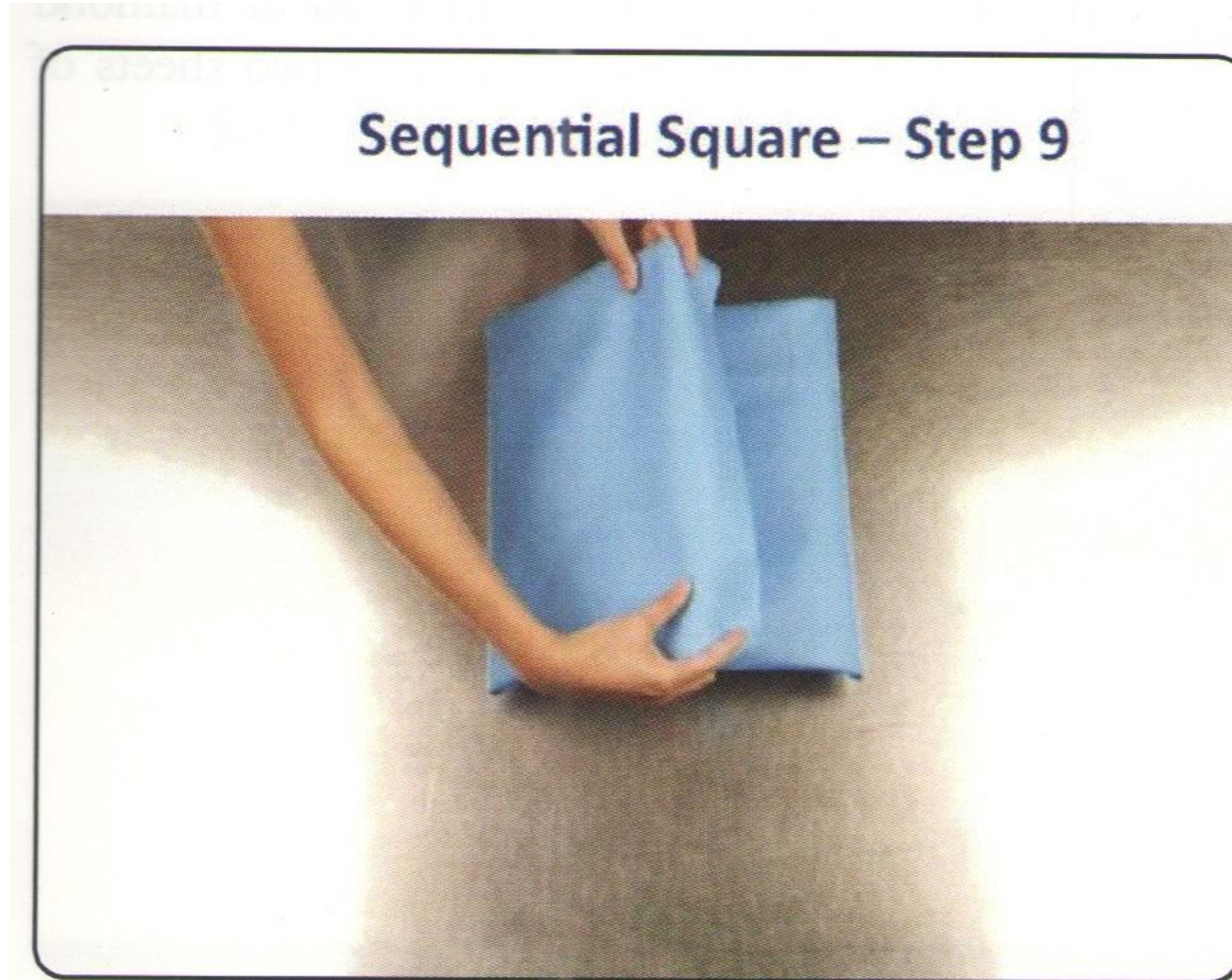
تکنیک های تازدن و بسته بندی

○ Sequential Square



تکنیک های تازدن و بسته بندی

○ Sequential Square



بسته بندی در فرآیند استریلیزاسیون

تکنیک های تازدن و بسته بندی

○ Sequential Square

Sequential Square - Completed



تکنیک های تازدن و بسته بندی

- Simultaneous Double-Wrapping: Envelope Fold
(two single-layer wrappers or one bonded double-layer wrapper)

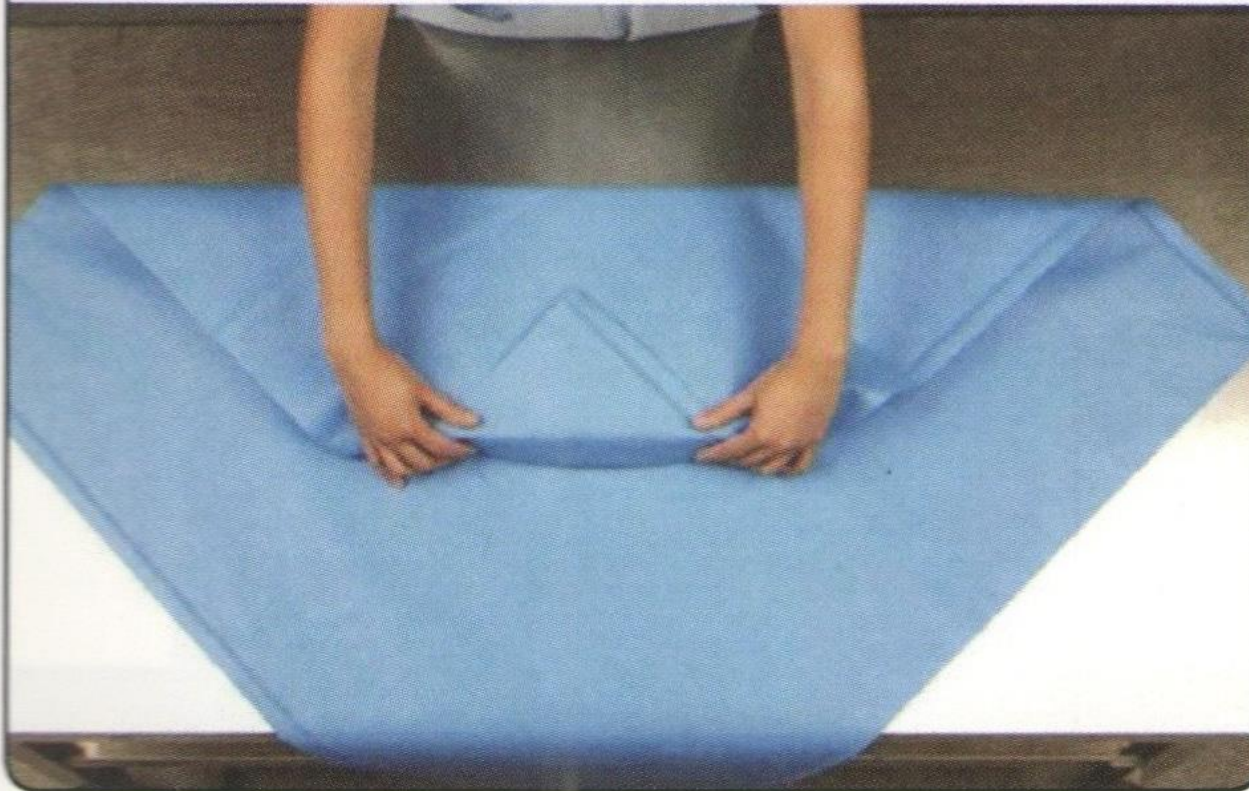
Simultaneous Envelope – Step 1



تکنیک های تازدن و بسته بندی

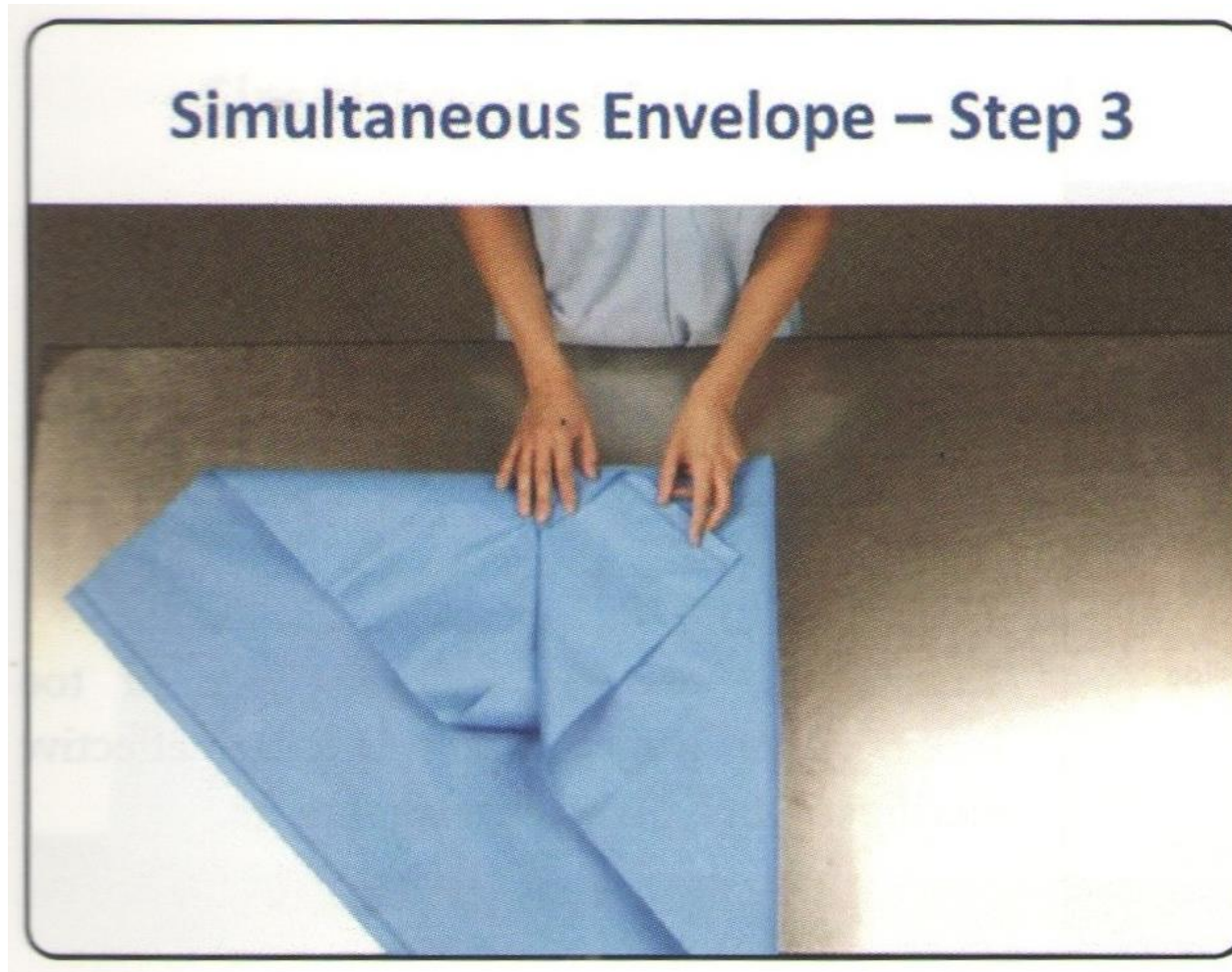
- Simultaneous Double-Wrapping: Envelope Fold
(two single-layer wrappers or one bonded double-layer wrapper)

Simultaneous Envelope – Step 2



تکنیک های تازدن و بسته بندی

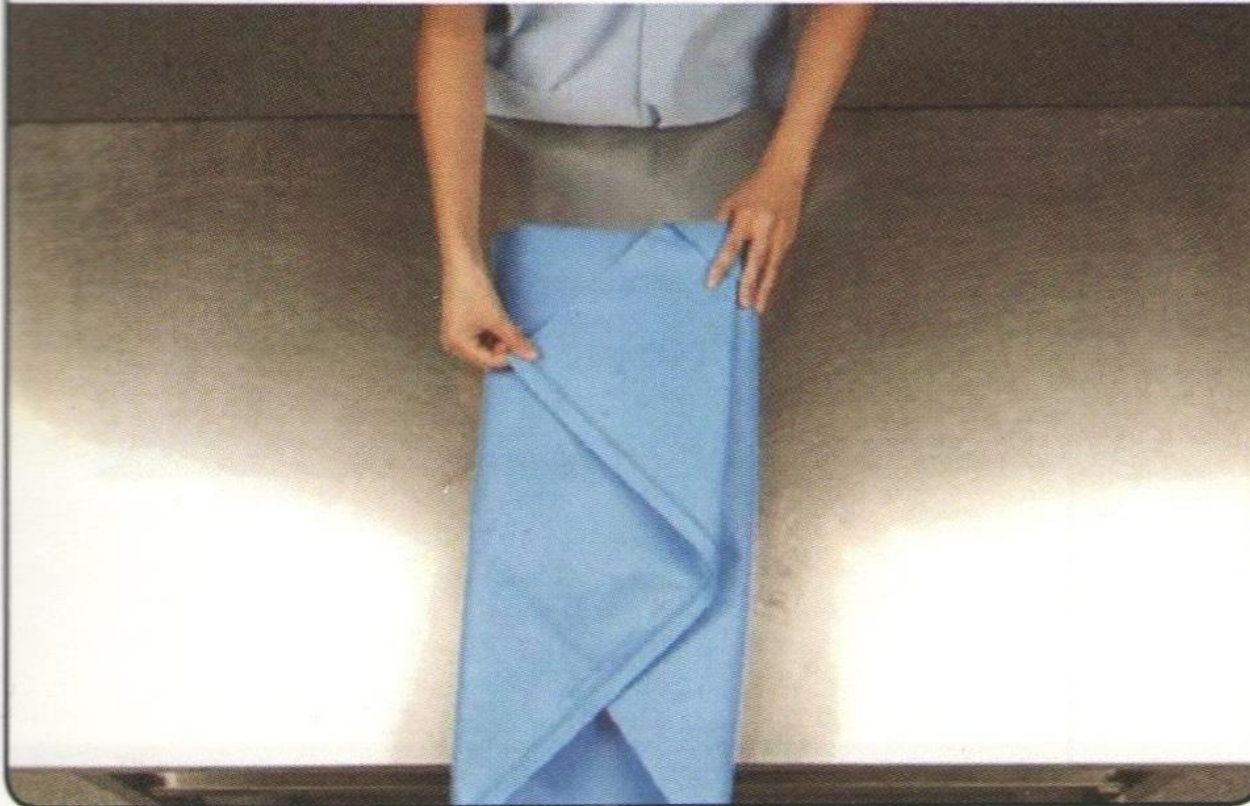
- Simultaneous Double-Wrapping: Envelope Fold
(two single-layer wrappers or one bonded double-layer wrapper)



تکنیک های تازدن و بسته بندی

- Simultaneous Double-Wrapping: Envelope Fold
(two single-layer wrappers or one bonded double-layer wrapper)

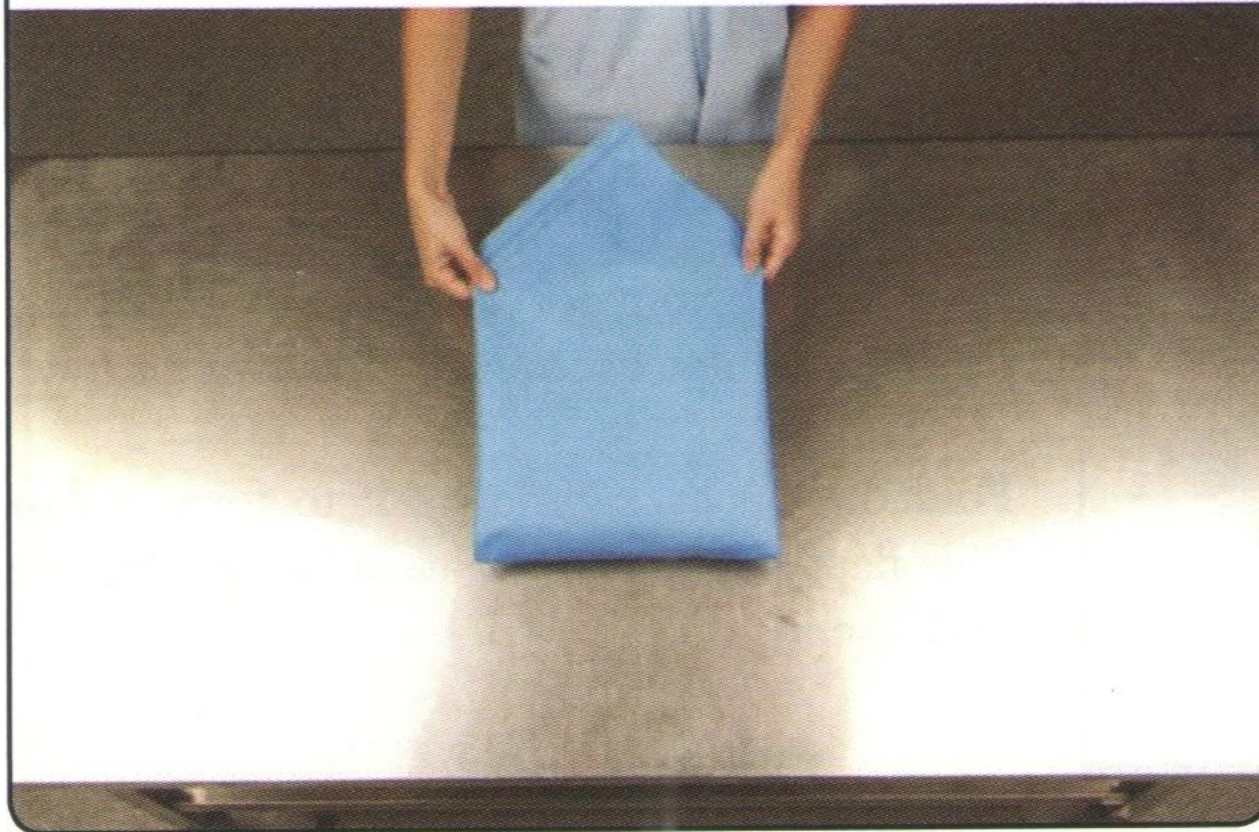
Simultaneous Envelope – Step 4



تکنیک های تازدن و بسته بندی

- Simultaneous Double-Wrapping: Envelope Fold
(two single-layer wrappers or one bonded double-layer wrapper)

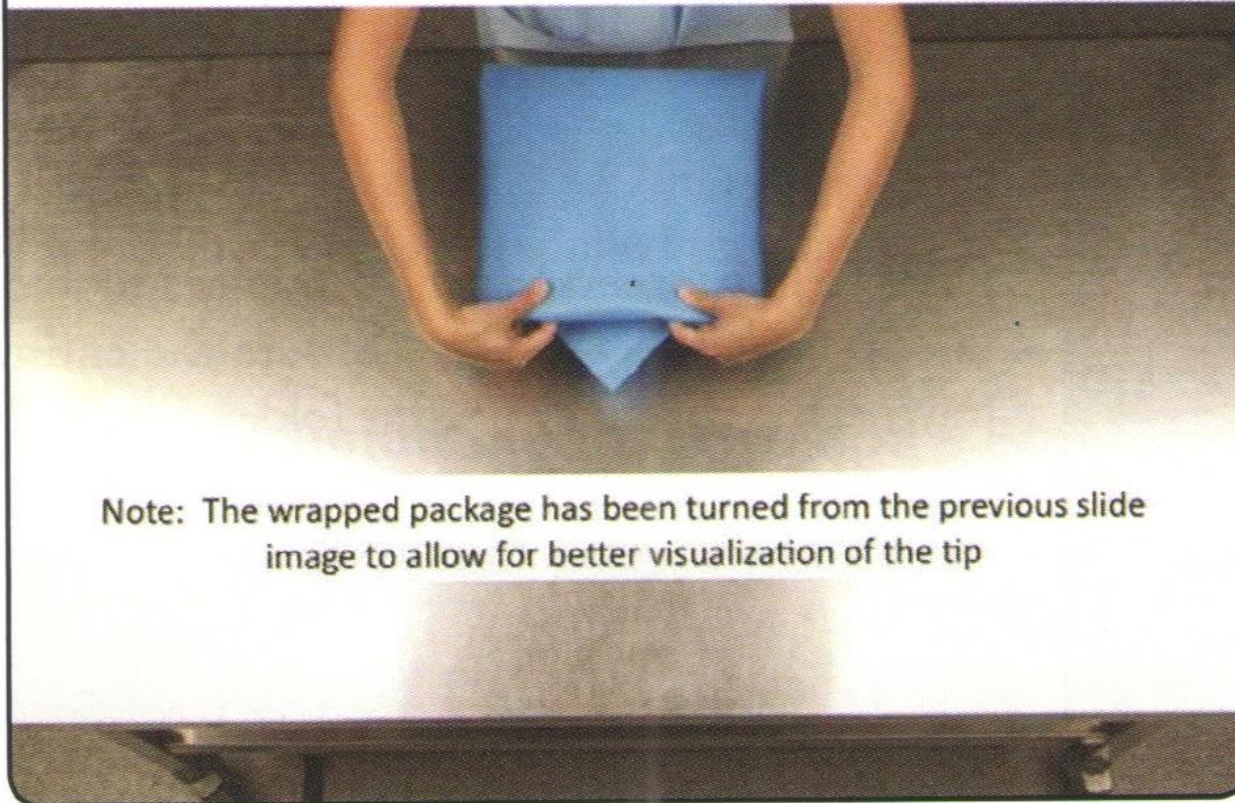
Simultaneous Envelope – Step 5



تکنیک های تازدن و بسته بندی

- Simultaneous Double-Wrapping: Envelope Fold
(two single-layer wrappers or one bonded double-layer wrapper)

Simultaneous Envelope – Step 6

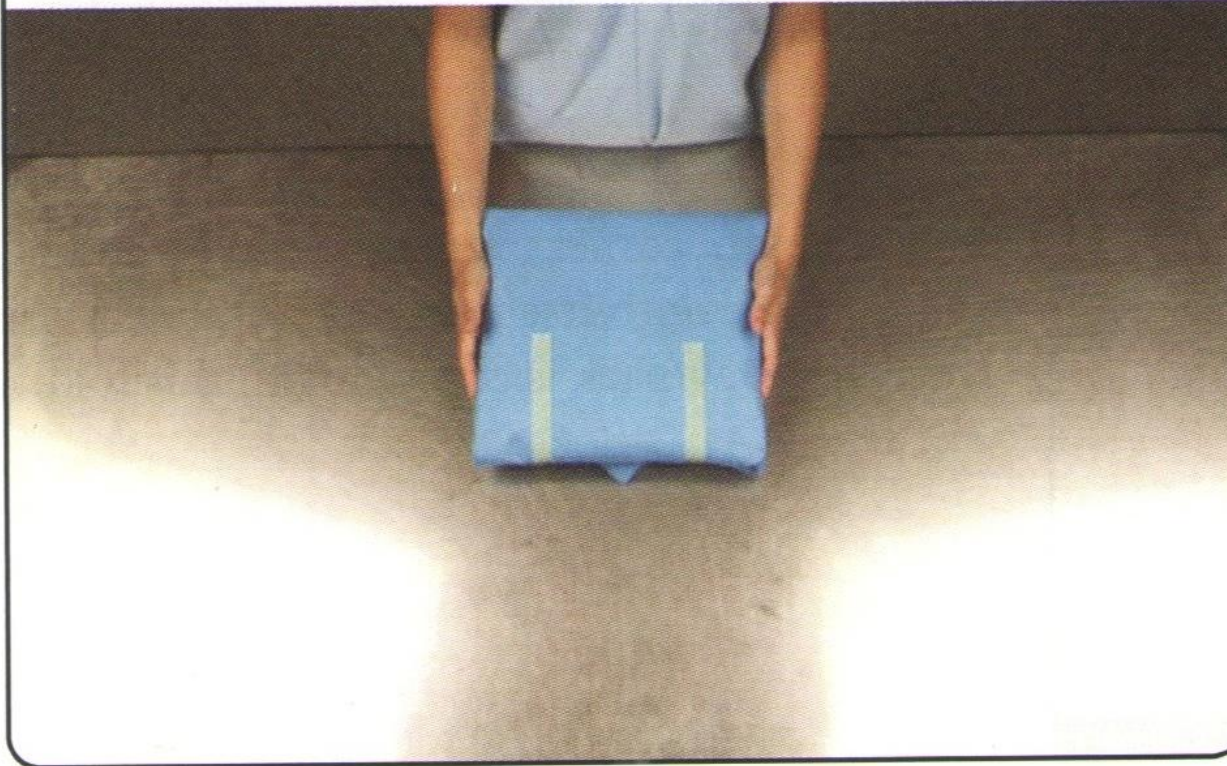


Note: The wrapped package has been turned from the previous slide image to allow for better visualization of the tip

تکنیک های تازدن و بسته بندی

- Simultaneous Double-Wrapping: Envelope Fold
(two single-layer wrappers or one bonded double-layer wrapper)

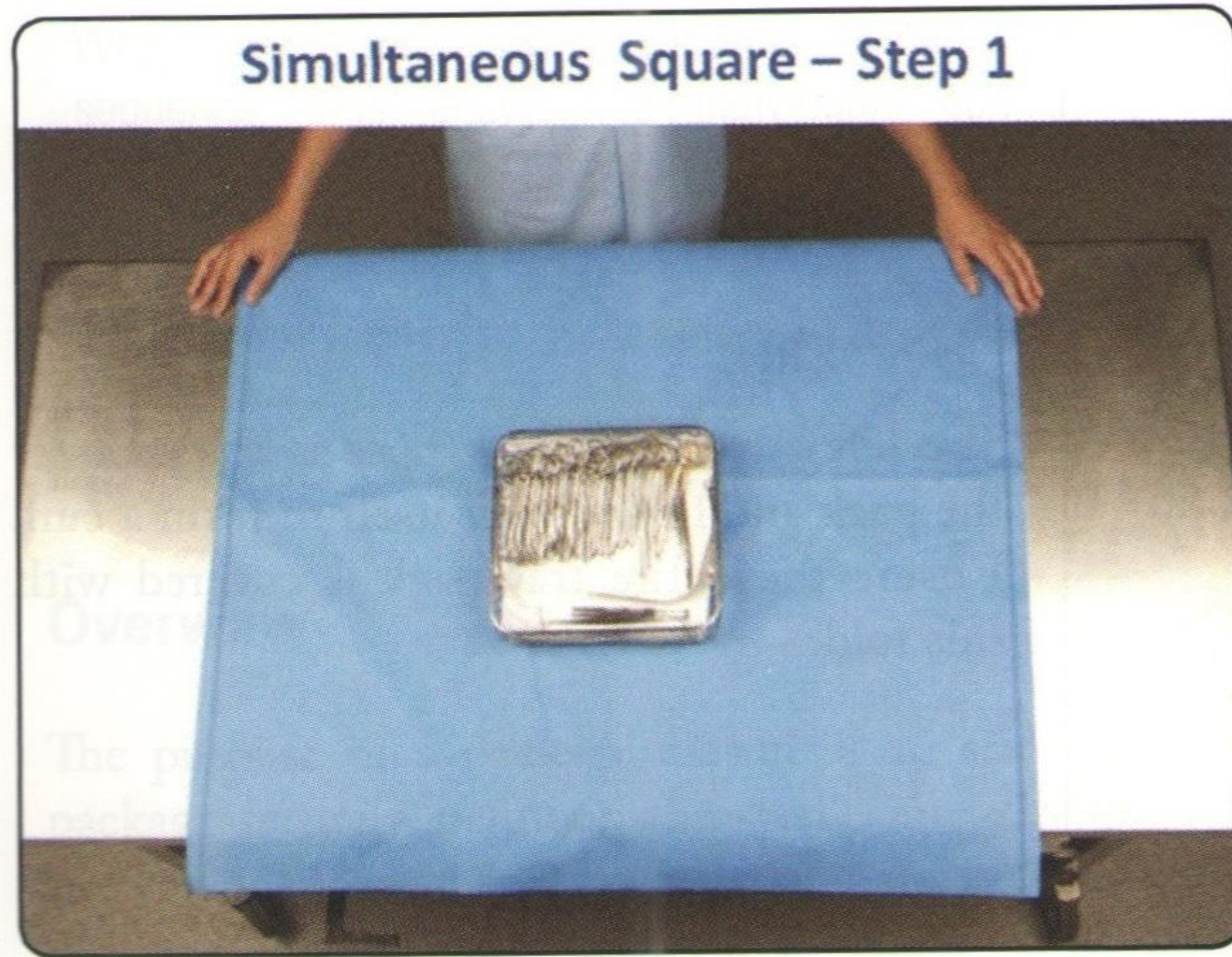
Simultaneous Envelope - Completed



بسته بندی در فرآیند استریلیزاسیون

تکنیک های تازدن و بسته بندی

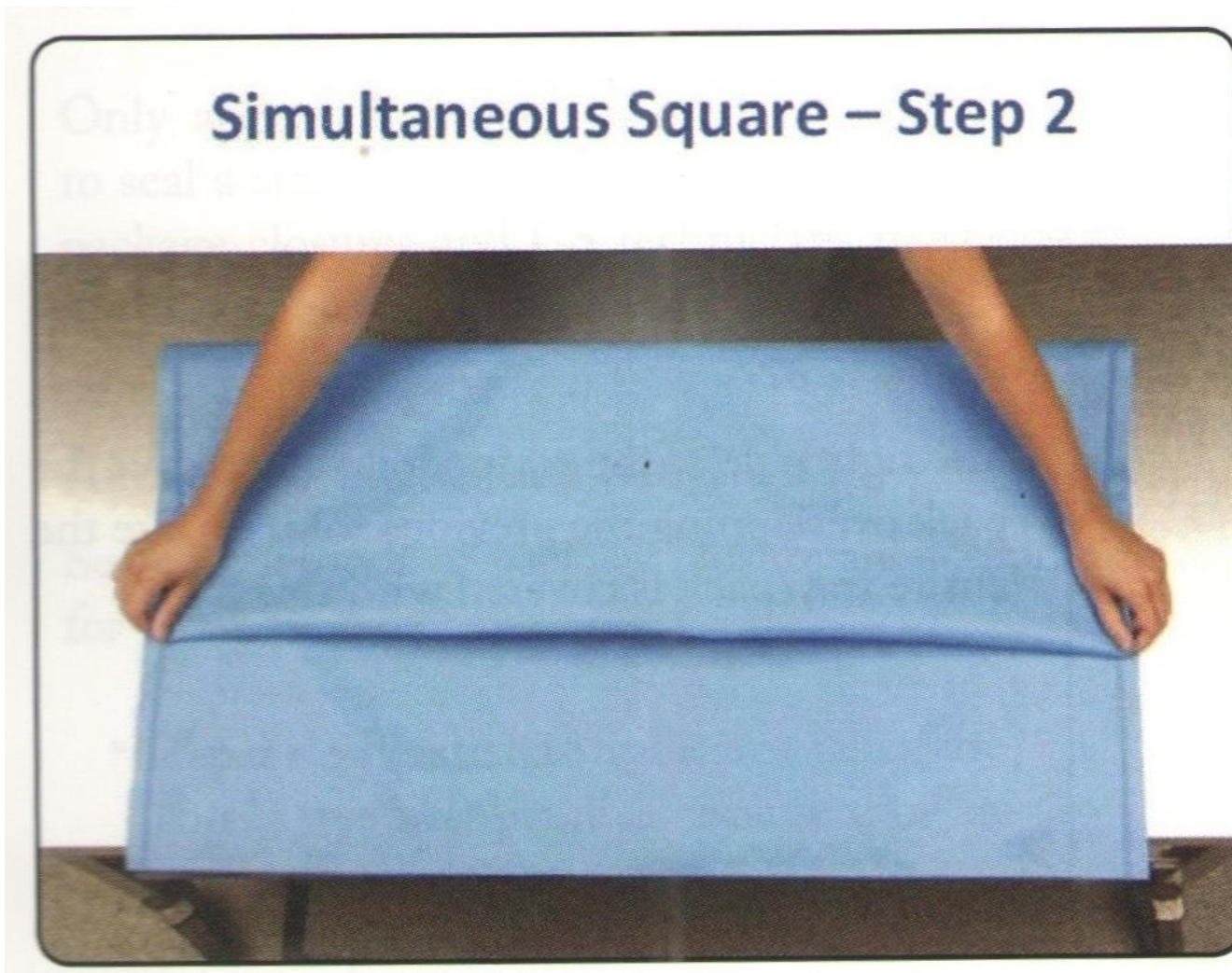
- Simultaneous Double-Wrapping: Square Fold



بسته بندی در فرآیند استریلیزاسیون

تکنیک های تازدن و بسته بندی

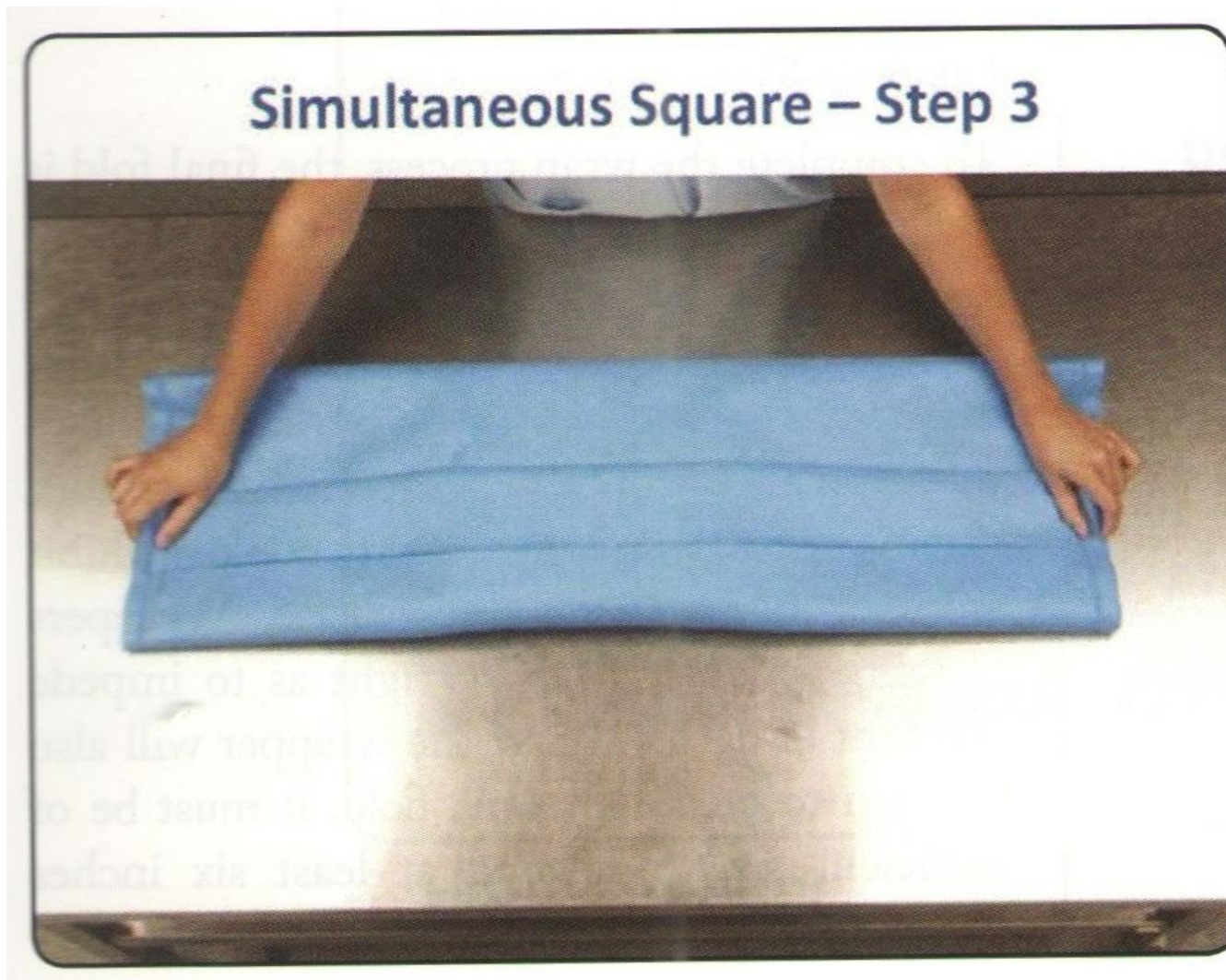
- Simultaneous Double-Wrapping: Square Fold



بسته بندی در فرآیند استریلیزاسیون

تکنیک های تازدن و بسته بندی

- Simultaneous Double-Wrapping: Square Fold



تکنیک های تازدن و بسته بندی

- Simultaneous Double-Wrapping: Square Fold

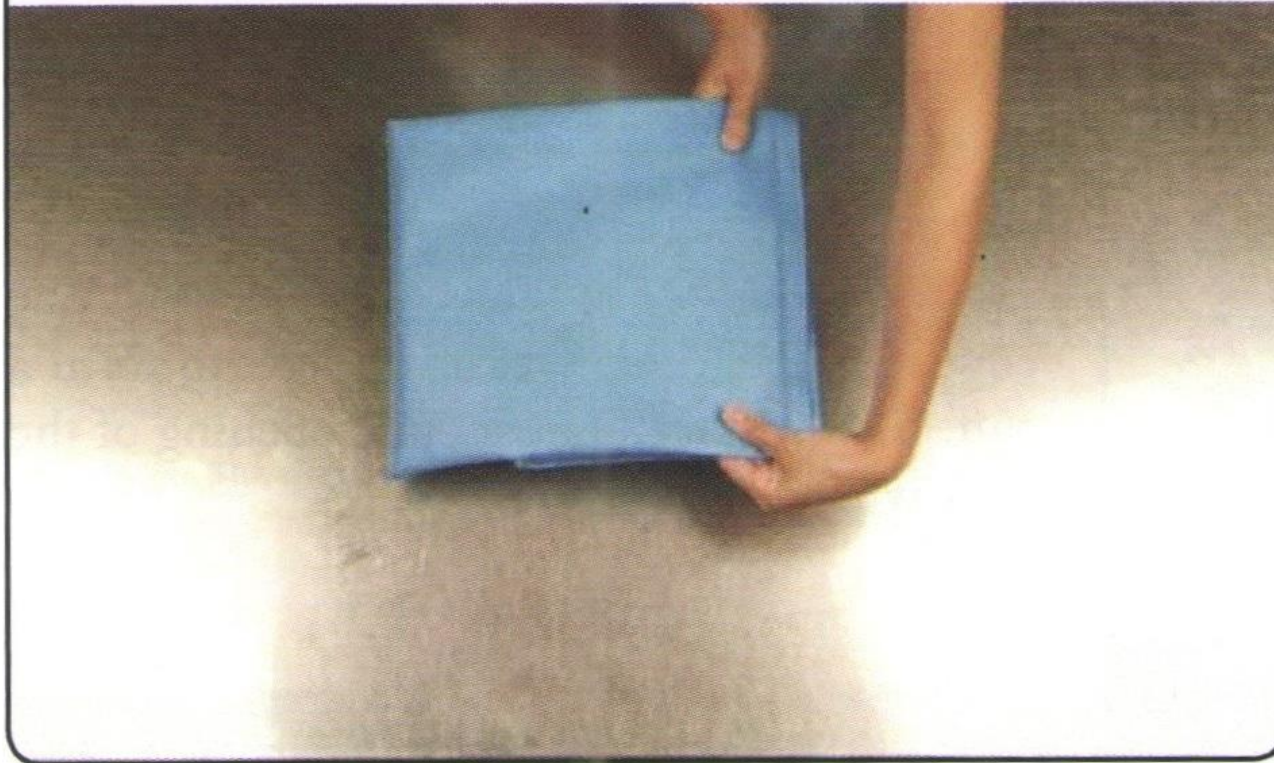
Simultaneous Square – Step 4



تکنیک های تازدن و بسته بندی

- Simultaneous Double-Wrapping: Square Fold

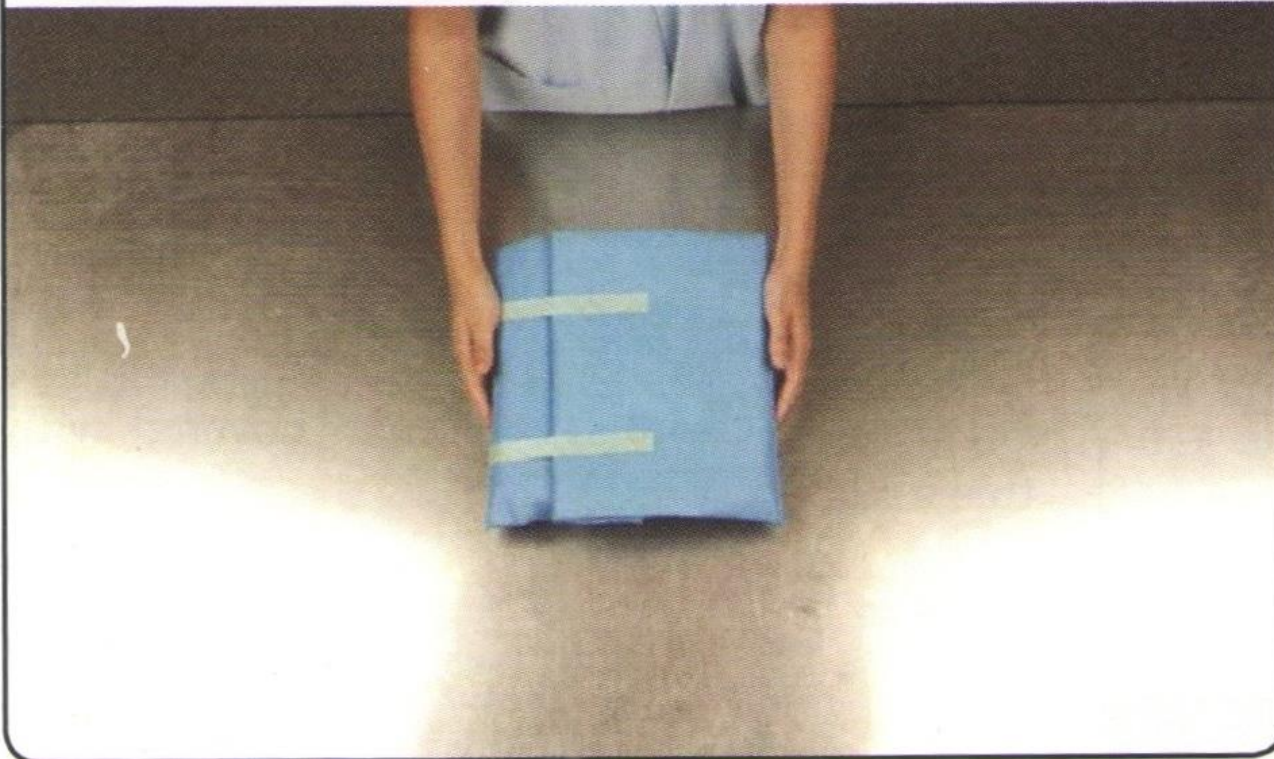
Simultaneous Square – Step 5



تکنیک های تازدن و بسته بندی

- Simultaneous Double-Wrapping: Square Fold

Simultaneous Square - Completed



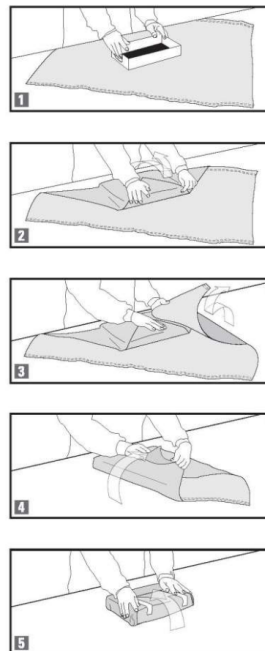
بسته بندی در فرآیند استریلیزاسیون

- دقت در اندازه بودن جنس بسته بندی و تعداد لایه ها



9.6 Wrapping techniques

9.6.1 Simultaneous double-wrapping: envelope fold



Two single-layer wrappers or
One bonded double-layer wrapper

Figure 3—Simultaneous double-wrapping: envelope fold

Only wrappers validated for use in simultaneous double-wrapping should be used. Two single-layer wrappers or one bonded double-layer wrapper can be used. Simultaneous double-wrapping refers to wrapping two layers of wrap material together simultaneously. Simultaneous double-wrapping using the envelope-fold technique is shown in Figure 3. The procedure is as follows:

- 1) Place the wrap sheets on the table to form a diamond shape. Place the device(s) to be wrapped in the center of the wrap, parallel with the edge of the table.
- 2) Bring the lower corner up to completely cover the contents and fold the tip back on itself to form a tab or flap (which is used later to assist in opening the pack aseptically).
- 3) Fold the left corner over the contents and fold the tip back on itself to form a tab.
- 4) Fold the right corner over the left fold and fold the tip back on itself to form a tab.
- 5) Bring the top corner down over the contents and tuck the corner under the right and left folds. A small tab may be incorporated for easy opening. Secure with two pieces of chemical indicator tape as shown in Figure 3 (one piece of tape might be sufficient for smaller packages).

9.6.2 Simultaneous double-wrapping: square fold

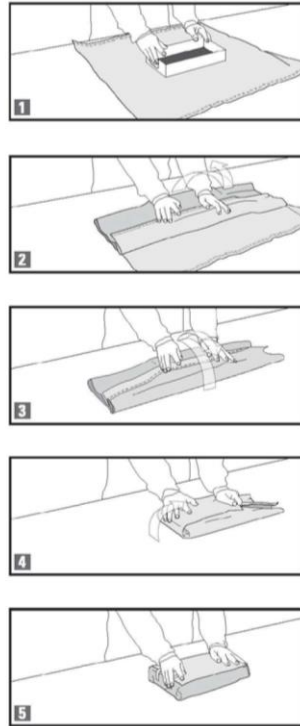


Figure 4—Simultaneous double-wrapping: square fold

Only wrappers validated for use in simultaneous double-wrapping should be used. Two single-layer wrappers or one bonded double-layer wrapper can be used. Simultaneous double-wrapping refers to wrapping two layers of wrap material together simultaneously. Simultaneous double-wrapping using the square-fold technique is shown in Figure 4. The procedure is as follows:

- 1) Place the edge of the wrapper parallel with the edge of the table. Place the device in the center of the wrapper parallel with the edge of the wrapper.
- 2) Fold the edge of the wrapper over the top of the contents, covering the entire item. Fold the edge back over itself (toward the technician) to form a cuff, which will facilitate aseptic opening of the pack when used.
- 3) Bring the upper edge of the wrap down completely over the contents and fold it back on itself to form another cuff, overlapping the original.
- 4) Fold the left edge of the wrapper snugly over the pack and back on itself to form a cuff.
- 5) Fold the right side of the wrapper over the pack, overlapping the previous fold and folded back to form a cuff, or tuck under and secure with indicator tape.



9.6.3 Sequential wrapping: envelope fold

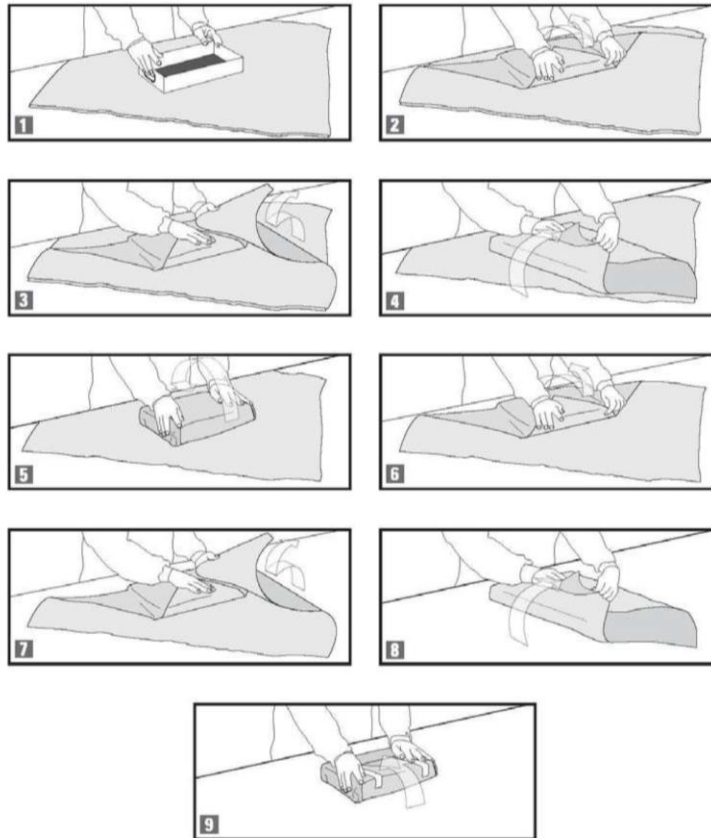


Figure 5—Sequential wrapping: envelope fold

Sequential wrapping refers to wrapping two layers of wrap material individually. Sequential wrapping using the envelope-fold technique shown in Figure 5. The procedure is as follows:

- 1) Place the wrap on the table to form a diamond shape. Place the device(s) to be wrapped in the center of the wrap, parallel with the edge of the table.
- 2) Bring the lower corner up to cover the contents and fold the tip back on itself to form a tab or flap (which is used later to assist in opening the pack aseptically).
- 3) Fold the left corner over the contents and fold the tip back to form a tab.
- 4) Fold the right corner over the left fold and fold the tip back on itself to form a tab.
- 5) Bring the top corner down over the contents and tuck the corner under the right and left folds, leaving a small tab visible for easy opening.

- 6) Apply the second wrap by placing the single wrapped device in the center of the remaining wrap and repeating the wrap sequence to form a package within a package. Bring the lower corner is brought up to cover the single wrapped item and the tip is folded back on itself to form a tab or flap.
- 7) Fold the left corner over the single wrapped item and fold the tip back to form a tab.
- 8) Fold the right corner over the left fold and fold the tip back on itself to form a tab.
- 9) Bring the top corner down over the single wrapped item and tuck the corner under the right and left folds, leaving a small tab visible for easy opening. Secure with chemical indicator tape.

9.6.4 Sequential wrapping: square fold

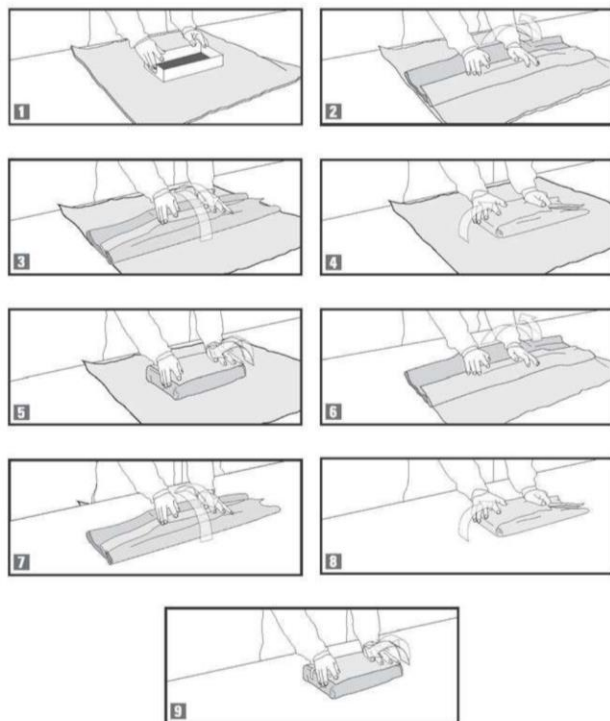


Figure 6—Sequential wrapping: square fold

Sequential wrapping refers to wrapping two layers of wrap material individually. Sequential wrapping using the square-fold technique is shown in Figure 6. The procedure is as follows:

- 1) The edge of the wrapper is placed parallel with the edge of the table. The device is placed in the center of the wrapper parallel with the edge of the wrapper.
- 2) The edge of the wrapper is folded over the top of the contents, covering the lower half. The edge is then folded back over itself (back toward the technician) to form a cuff, which will facilitate aseptic opening of the pack when used.

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- 3) The upper edge of the wrap is brought down over the upper half of the contents and is folded back on itself to form another cuff, overlapping the original cuff, to prevent a gap between the upper and lower folds.
- 4) The left edge of the wrapper is folded snugly over the pack and back on itself to form a cuff.
- 5) The right side of the wrapper is folded over the pack, overlapping the previous fold, and folded back to form a cuff.
- 6) The second wrap is applied by placing the single wrapped item in the center of the wrap and repeating the steps performed for the first wrap to create a package within a package. The edge of the second wrapper is folded over the single wrapped item, covering the lower half. The edge is then folded back over itself (back toward the technician) to form a cuff.
- 7) The upper edge of the wrap is brought down over the upper half of the single wrapped item and folded back on itself to form another cuff, overlapping the original cuff, to prevent a gap between the upper and lower folds.
- 8) The left edge of the wrapper is folded snugly over the pack and back on itself to form a cuff.
- 9) The right side of the wrapper is folded over the pack, overlapping the previous fold and folded back. The package is usually secured with indicator tape.





DISCUSSIONS?

THANK YOU

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