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Diploma in Pharmacy 2nd Year

Community Pharmacy & Management

Experiment

To study appropriate handling with correct administration techniques of patches.

Aim:

To study appropriate handling with correct administration techniques of patches.

Reference :

‘ Dr. Gupta G.D. , Dr. Sharma Shailesh, Dr. Gupta Richa, “Practical Manual of Community Pharmacy and Management” Published by Nirali Prakashan, Page no 109 – 112

Theory :

→ A transdermal or skin patch is a medicated adhesive patch that is applied on the skin to deliver a specific dose of drug into the systemic circulation through the skin.

Handling and Administration Technique of Patches

1. Preparing :

- i. All the instructions of patch should be read because they helps to apply the patch on location, duration of time to wear and the time to remove and replace it.
- ii. Hands should be washed with soap and water. Hand sanitiser should be used instead of water.
- iii. Old patch should be removed from the body that contains the same drugs. This should be done by peeling back an edge of the patch with fingers and then gently pulling off the rest of the patch. The patch should be folded in half with the sticky sides pressed together. Used, folded patch should be disposed in a closed trashcan.
- iv. The site should be selected to apply new patch. The location should be specified in doctor's instructions and on the medication's label or package insert. For example, specific patches should be applied on the

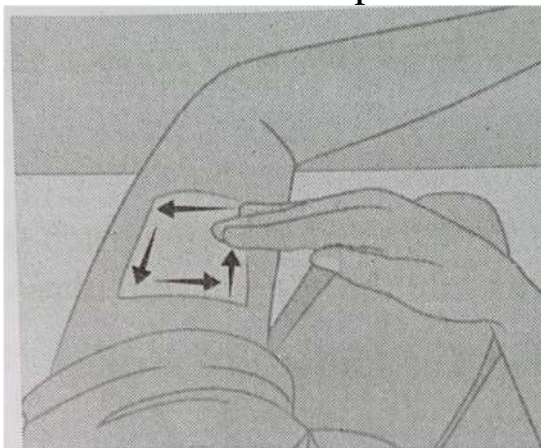
upper chest or upper arm. Others should be placed on the lower abdomen or hip.

- v. The skin should be prepared and cleaned to remove any dirt, lotions, oils, or powders. The skin should be cleaned with warm water alone or with a clear soap. Scented soaps or soaps that contain lotion should be avoided. The skin should be dried with a clean towel or paper towel.
 - vi. The package should carefully be opened by tearing or using a scissors. The patch should not be tore or cut itself. The damaged patch should be thrown away as instructed in step iii.
 - vii. The patch should be taken out of the packaging. The protective liner on the patch should be removed as directed by the patch instructions. The sticky side of the patch should not be touched.
- Note :** If the protective liner of the patch contains two parts then one part of the liner should be peeled off. The exposed sticky part of the patch should be applied to the skin and pressed down. The second part of the liner should be peeled back and the entire patch should be pressed down.
- viii. The patch, sticky side down should be applied onto the clean area of skin. The patch should be pressed down using the palm of hand to confirm that the patch is tightly attached to the skin.

2. Applying the Patch : Fingers should be used to press along the edges of the patch. There should be no folds or bumps in the patch.

3. Finishing Up :

- i) The patch's packaging should be thrown in a closed trashcan.
- ii) Hands should be washed with soap and water to remove any medication.



**Figure 20: Administration
Technique of Patches**

Handling of Patches

A spot should be selected for a patch where it will adhere effectively. The skin should be avoided that:

- Has open cuts or sores
- Creases
- Gets sweaty
- Gets rubbed a lot
- Has a lot of hair (if needed, trim the hair in that area with scissors)
- Was recently shaved (wait three days after shaving before applying a patch to an area)
- Will be covered by a belt or clothing seam

Result :

Appropriate handling with correct administration techniques of patches was studied.

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