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VACUUM CUSHIONS

Panacea Medical Technologies Pvt Ltd

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1 INTENDED USE AND INDICATIONS FOR USE

1.1 INTENDED USE

The vacuum cushion is to immobilize and support patients during radiotherapy. It helps maintain a consistent and reproducible position throughout the treatment.

1.2 INDICATION FOR USE

The vacuum cushion is indicated for patients undergoing external beam radiotherapy. It is suitable for treatments involving the head, neck, thorax, abdomen, pelvic and extremities regions. The cushion moulds to the patient's anatomy by air evacuation, ensuring comfort and stability. It is used when precise patient positioning and immobilization are clinically required. The device supports both supine and prone treatment setups

2. PRODUCT OVERVIEW

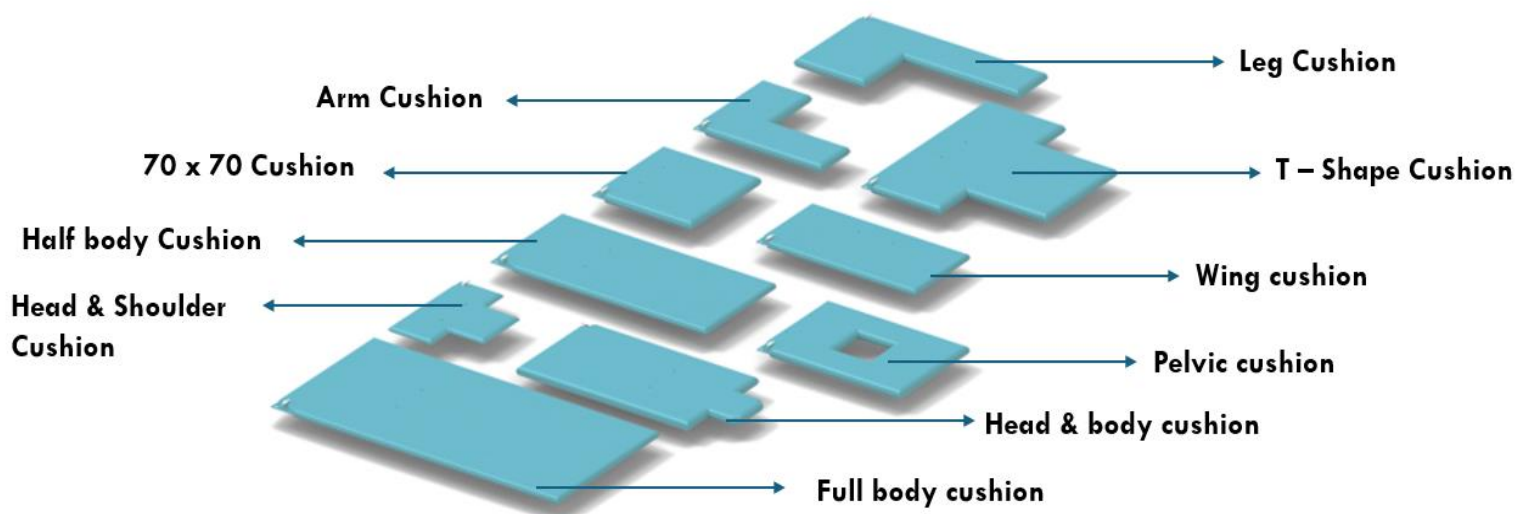


Figure 1 Vacuum cushion



Warning

- Inspect the cushion thoroughly before use. Do not use the device if damaged.
- Prevent the surface from damage and scratching.
- Secure the device properly before positioning the patient.

3. ASSEMBLING & USAGE INSTRUCTIONS

Step 1: Place the cushion directly on the couch top or fix it on the base plate using an indexing bar for enhanced stability. The cushion can be securely attached to a positioning board based on the clinical setup.

Step 2: Position the patient on the cushion in the desired treatment posture.

Step 3: Connect the vacuum pump to the cushion using the appropriate connector.



Step 4: Evacuate the air from the cushion to form a mould that conforms to the patient's body.

Step 5: Label the molded cushion with the patient ID for proper identification. The same cushion can be reused throughout the entire treatment cycle. The vacuum remains stable for approximately 4 to 6 weeks under normal usage conditions.

4. Cushion types and sizes

| S.no | Cushion | Sizes (cm) |
|------|----------------------------------|------------|
| 1 | Head and Shoulder Cushion | 72 x 54 |
| 2 | Half Body Cushion | 150 x 70 |
| 3 | Total Body Cushion | 200 x 100 |
| 4 | 70 X 70 Cushion (Square cushion) | 70 X 70 |
| 5 | Head And Body Cushion | 140 x 70 |
| 6 | Wing Cushion | 110 x 55 |
| 7 | Arm Cushion | 90 x 70 |
| 8 | T-Shape Cushion | 125 x 110 |

| | | |
|----|----------------|----------|
| 9 | Pelvic Cushion | 100 x 70 |
| 10 | Leg Cushion | 130 x 70 |

4 TECHNICAL SPECIFICATIONS

| | | |
|---|------------------|-------------------|
| 1 | Material | Nylon |
| 2 | Filling material | Thermocoal sphere |

5 CLEANING, STORAGE AND DISPOSAL

- Avoid storing under the sun and in warm and wet environment.
- Wipe thoroughly with cleaning agent like Diluted Isopropyl Alcohol of 15-20%. Allow to dry before next use.
- Store each Vacuum cushion with respective to patient ID and the cushions can be reused for the next cycle of treatment for the same patient.
- The vacuum cushions can be reused based on the treatment plan and cycle.
- The product can be disposed of with dry waste.
- Inspect the product regularly, to check for any parts are worn or need repair or replacement.

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