

# Support Document

## THE AIRPAL® RAMP® SYSTEM PATIENT TRANSFER SYSTEM AND POSITIONING SYSTEM FOR AIRWAY MANAGEMENT STEP-BY-STEP INSTRUCTIONS FOR USE

### USE OF THE RAMP® SYSTEM FOR PATIENT TRANSFER

1. Patient should be in a horizontal position for transfer/repositioning.
2. Place the AirPal® RAMP® System's "transfer pad" underneath patient using log-rolling technique and attach patient safety straps. Whatever the patient is laying on to keep the bed mattress clean can be placed on top of the transfer pad to help keep it clean. Avoid covering the "incline surface" or "intubation pillow" at the head of the transfer pad.
3. Plug electric cord of the AirPal® Air Supply into an appropriate grounded AC electrical outlet.
4. Attach flexible air hose end to transfer pad. It is recommended that you select the hose attachment point located toward the surface you will transfer to. Use snaps to secure hose end in place.
5. Be sure transfer surfaces are as close as possible and brake the wheels. If equipped, deploy safety rails on far end of surface to be transferred to.
6. If possible, transfer from a higher surface to a lower surface. Adjust surfaces to no more than two inches in height difference.
7. Turn on AirPal® Air Supply.
8. Allow transfer pad to fully inflate. If your patient is slightly off center grab handle closest to patient to help re-center patient by slightly pulling up on handle during inflation. As the transfer pad fully inflates observe that the patient is fully "cradled" and centered on the transfer pad.
9. Grasp handles and pull patient on a slight angle, preferably head first, until patient has been transferred into desired position. The extended handles allow use of the safety rail on the surface the patient is to be transferred to.
10. Turn off air supply and employ the bed/stretchers rails.

### USE OF THE RAMP SYSTEM FOR PATIENT POSITIONING REQUIRED FOR AIRWAY MANAGEMENT

1. Remove or loosen upper patient safety strap
2. After inflation, the nape of the patient's neck should be centered across the horizontal of the "T" mark located on the upper air chamber, also referred to as the intubation pillow. The vertical of the "T" mark should bisect the patient's head. Make an allowance for the patient to shift during inflation by locating patient's head above the semi-circle mark by 2 to 3 inches. The patient will adjust as the two chambers are inflated. If upon inflation the patient is significantly outside the guide marks the chambers should be deflated and the patient repositioned.

3. Connect the AirPal® RAMP® Air Controller to the Hospital air supply utilizing the yellow air supply hose.
4. Complete the connection of the Air Controller by connecting the upper and lower air chambers of the RAMP® System utilizing the color coded quick connect/disconnect connectors. To connect, depress the button located on the Air Controller air supply hose connector (female connector). Push the RAMP® System's male connector into the Air Controller's female connector. Release button and give a slight tug on the connector to ensure it is secure.
5. Utilizing the AirPal® RAMP® Air Controller, turn dial selector so that the fill arrow is pointing at the lower chamber or "INCLINED SURFACE" air supply line. "INCLINED SURFACE" is imprinted on the clear air supply line. You will feel a positive "click" when the dial selector is in alignment.
6. Depress the fill button on the Air Controller to inflate the inclined surface. The fill button is located on the underside of the handle. Moderate the air pressure to achieve desired elevation of the patient's chest. NOTE: it is not possible to over pressurize the air chamber - the Air Controller will automatically bleed off excess air pressure.
7. Utilizing the AirPal® RAMP® Air Controller, turn dial selector so that the arrow is pointing at the upper air chamber, or "INTUBATION PILLOW" air supply line. "INTUBATION PILLOW" is imprinted on the clear air supply line. You will feel a positive "click" when the dial selector is in alignment.
8. Depress the fill button on the Air Controller to inflate the intubation pillow. The fill button is located on the underside of the handle. Moderate the air pressure to achieve desired position of the patient's head (align opening of the patient's ear canal with an imaginary horizontal line intersecting with the sternal notch). NOTE: it is not possible to over pressurize the air chamber - the Air Controller will automatically bleed off excess air pressure.
9. To de-inflate the chambers turn "Vent All" arrows on the AirPal® RAMP® Air Controller dial selector to face the RAMP® System's air supply lines. You will feel a positive "click" when the dial selector is in alignment. Depress the vent button, located in the center of the dial selector. The air chambers will simultaneously deflate as the button is depressed.

## NOTES

1. After the patient has been positioned the Air Controller can be disconnected if desired. The RAMP® System will remain inflated. To disconnect the Air Controller, quickly depress the button on the female connectors located on the air supply lines of the AirPal® RAMP® Air Controller.
2. For rapid or emergency deflation pull the red tabs on the dump valves located next to where the air supply lines enter the upper and lower chambers.
3. To facilitate code board insertion a nylon lined code board slot is provided directly under the patient's chest area. Access the slot from behind the patient between the lower chamber and transfer pad.



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## USE OF THE RAMP SYSTEM TO TRANSFER A PATIENT IN AN INCLINED POSITION

1. Secure the patient safety straps.
2. Disconnect AirPal® RAMP® Air Controller from the RAMP® System
3. Follow all steps for patient transfer as explained above.