



Singapore Healthcare Management 2016

Nebulizer on Wheels

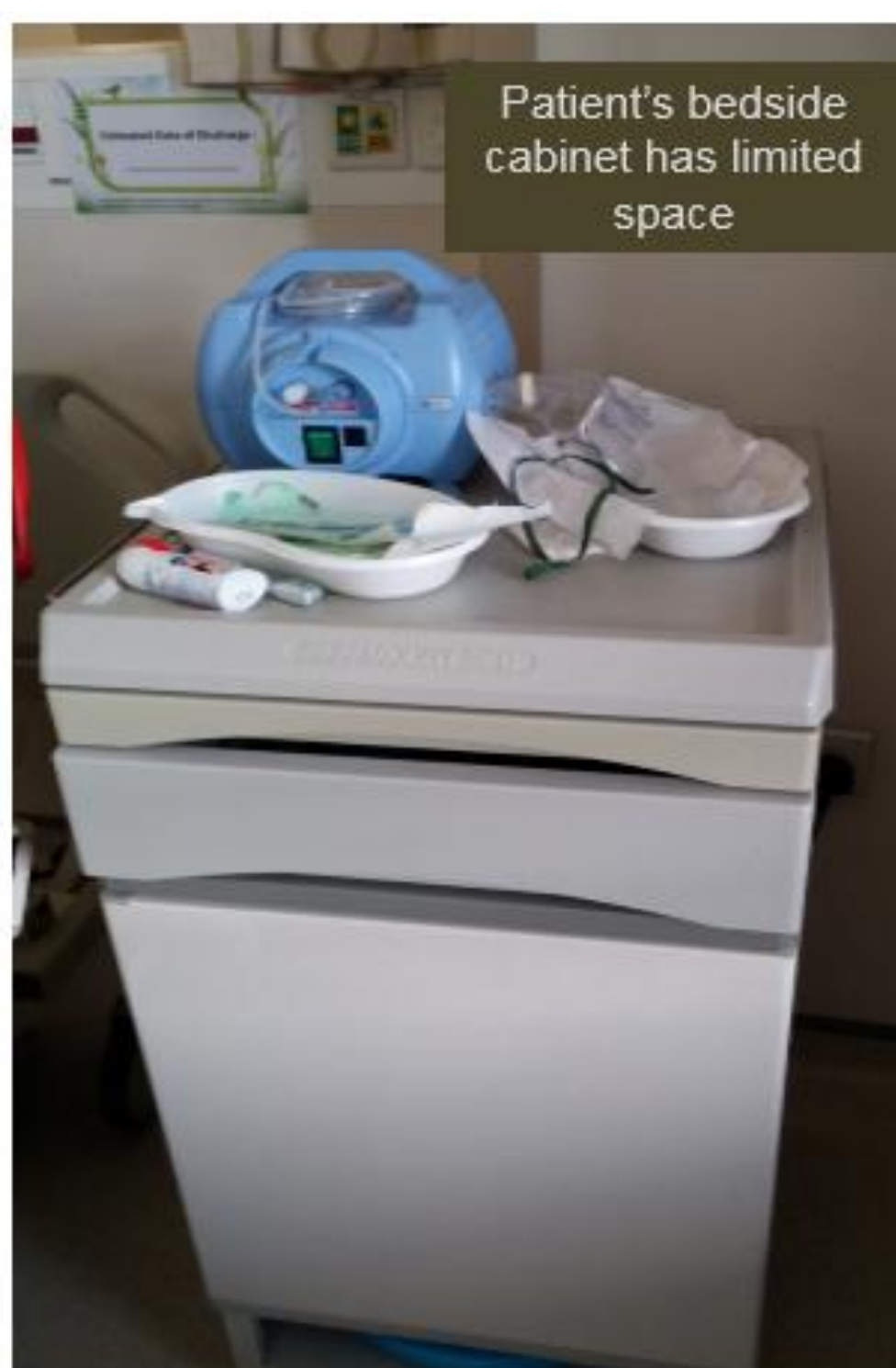


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Introduction

Nebulizer is a drug delivery device used to administer medication in the form of a mist inhaled into the lungs.

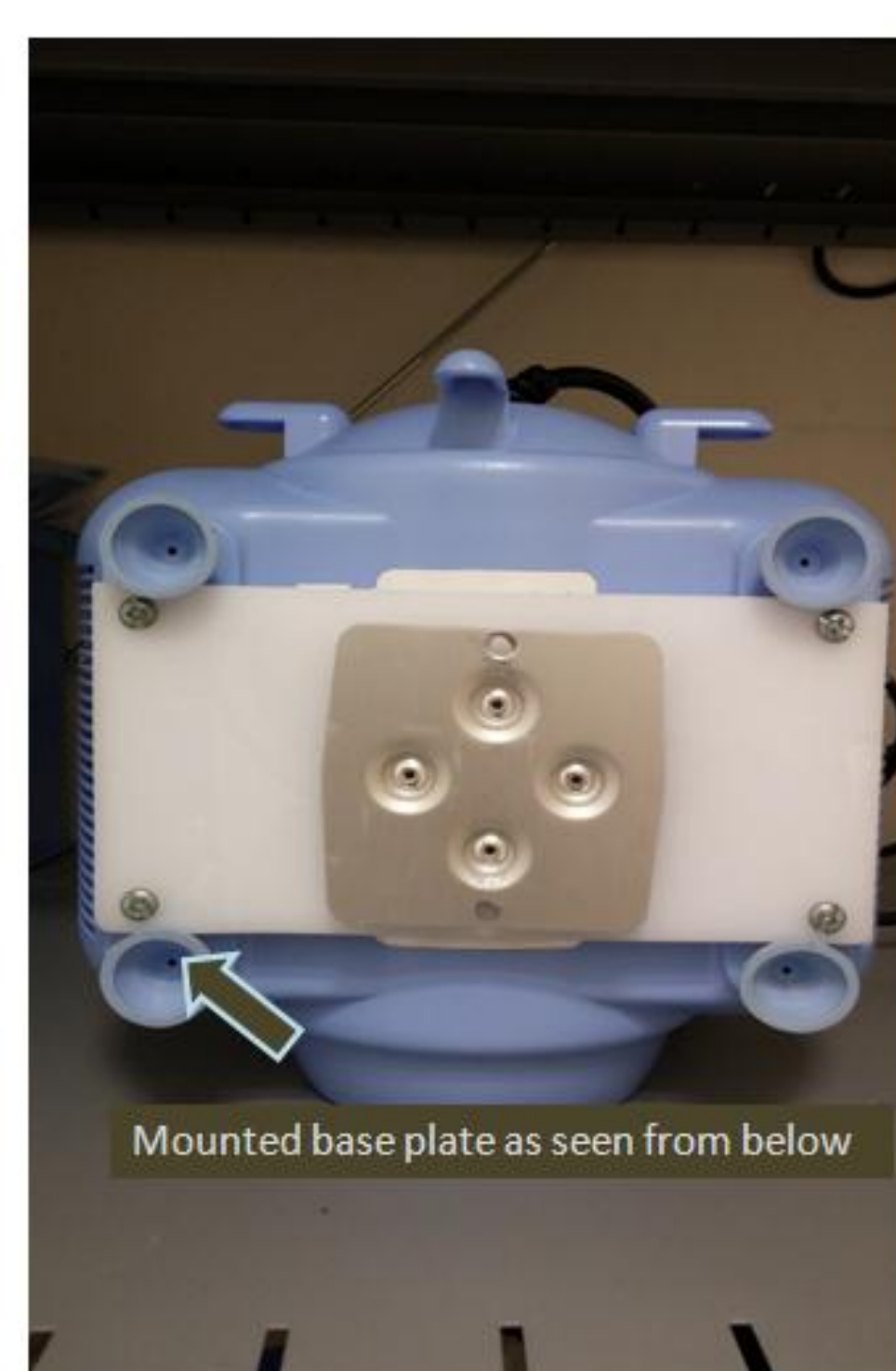
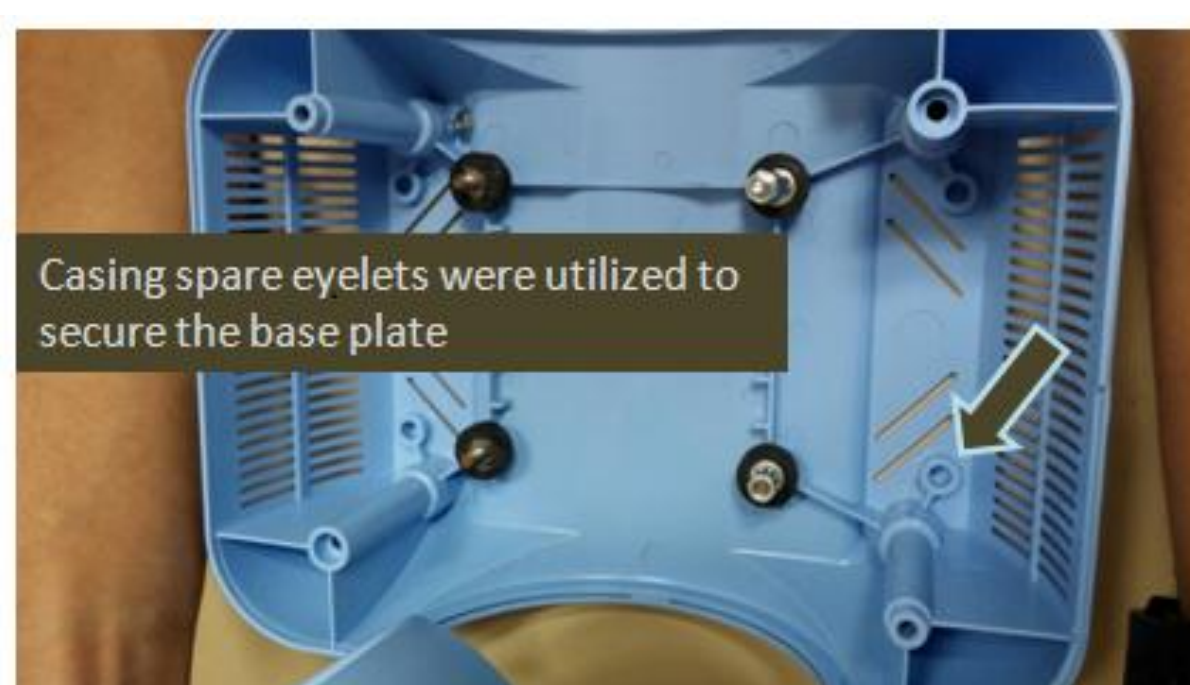
Nebulizer is placed at patient's bedside cabinet therefore it takes up space and there is a possibility of the equipment being toppled.



Objective

- To **minimize the risk** of the nebulizer from toppling.
- To **provide storage space** for accessories for the nebulizer.
- Enable **easy setup** of the nebulizer for use.

Method



To fabricate a dedicated stand with utility basket to mount the nebulizer and its accessories neat, safe and simple to set up.

Results

Cost Involved & Savings

Total cost spent: \$2.90 for accessories to fix nebulizer to the mobile cart.



Recycle items used: VS3 mobile cart, SPO2 elastic strap and acrylic plastic board.



Estimated cost saving: \$350 per unit (due to repair).



Potential cost saving: A total of 2 faults were reported before piloting. The potential saving is \$700.



Potential man hour save: 4 man hours (for repair)



Conclusion



Nebulizer is **easier to setup**, clean and **able to move around** the ward's area.



Easy to use and **do not take up space** in patient's bedside. Patient's bedside cabinet is freed for other use.



Reduce equipment damage.



Provide storage space for accessories for the nebulizer.