

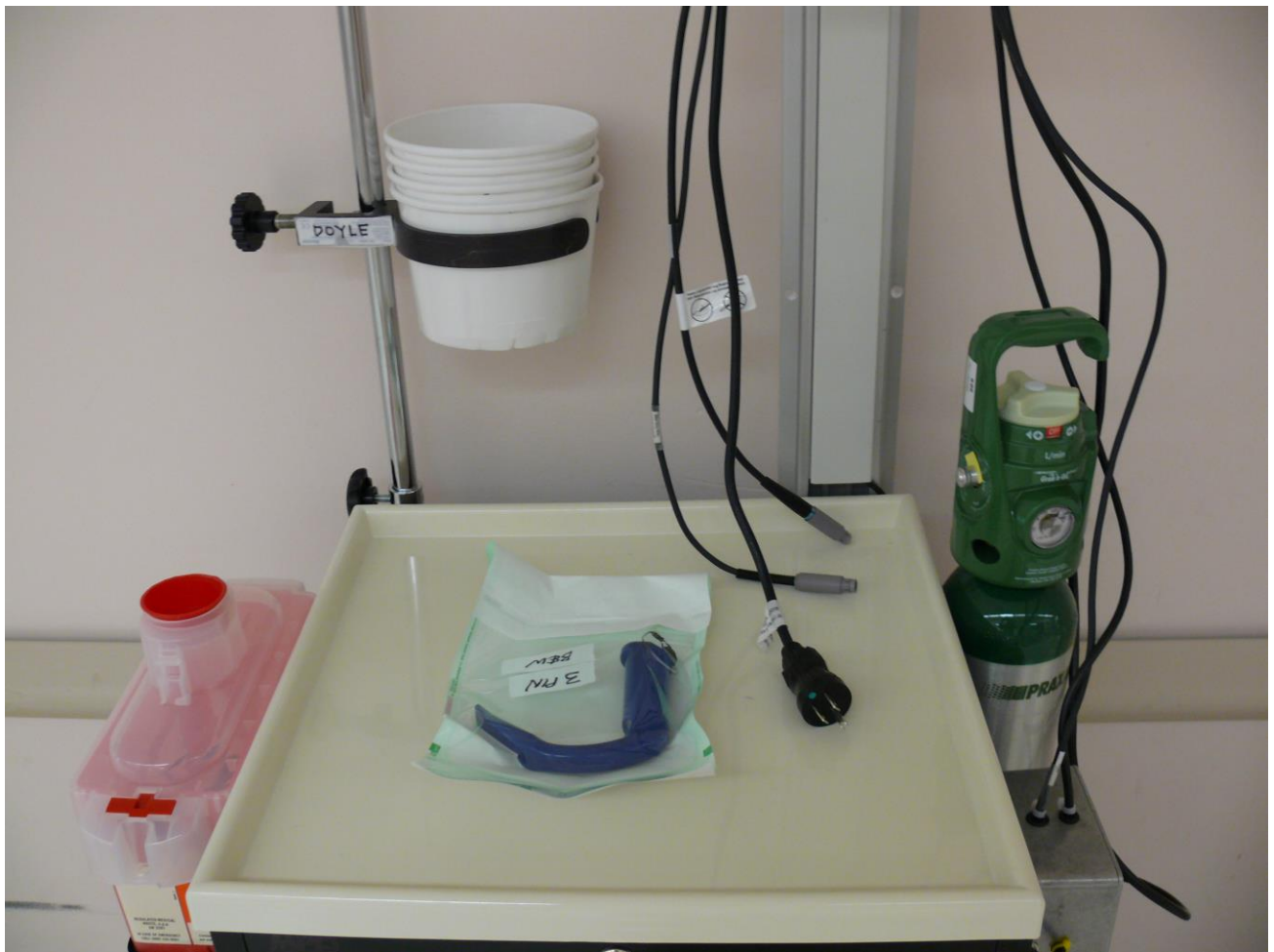
Design of a Prototype GlideScope Workstation

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As video laryngoscopy continues to gain popularity in the management of the ordinary and difficult airway, there has been a need to integrate the GlideScope video laryngoscope into a comprehensive airway management workstation. Consequently, I have designed a GlideScope workstation to meet this need. This prototype consists of an ordinary LCD video display and an electronics interface unit that will accept either 3-pin or 4-pin GlideScope handles. In addition, the unit contains a pole where IV bags can be placed, a sharps container on the left side of the unit, and E-size oxygen cylinder on the right side of the unit, and a stack of paper “buckets” where one can place used GlideScope handles to avoid contaminating the work surface of the workstation. The workstation also contains a number of drawers where a variety of products related to difficult airway management might be placed. These might include topical anesthesia products like lidocaine gel and lidocaine spray, intubating stylettes, endotracheal tubes, supraglottic airway devices, materials for a surgical airway, and so on.



The prototype unit. The video display is on the upper right of the image.



A small footprint work surface allows everything to be neatly arranged in a compact space. Both 3-pin and 4-pin cables are provided. Note the sharps container on the left, the oxygen on the right and the bucket containers to place soiled items.



Electronics interface unit (containing power supply and video distribution amplifier).
Note the BNC output connectors to allow external recording or external display of the image.