

Clinical application of balloon dilatation-guided combined perforation placement difficult Y-shaped silicone stent in the treatment of malignant complex tracheal stenosis

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Abstract: Objective To investigate the efficacy and safety of balloon dilation guided drilling combined with Y-shaped silicone stent in the treatment of malignant complex airway stenosis. Methods In the process of Y-shaped silicone stent implantation for malignant complex airway stenosis, 8 patients with difficult stent implantation were treated with balloon dilatation-guided combined puncture technique. Observe Y silicone stent placement success rate, the time required, difficulty breathing ease the situation, intraoperative and postoperative complications such as index. Results The y-shaped silicone stent was successfully implanted in all 8 patients with malignant complex airway stenosis by balloon dilatation-guided combined with perforation technology. Postoperative dyspnea was significantly relieved, and no complications occurred during or after surgery, and no operation-related deaths occurred. Conclusion Balloon dilatation-guided combined perforation technology can successfully implant Y-shaped silicone stent, which can be used as the optimal solution to solve the difficulty of implant Y-shaped silicone stent.

Keywords : Rigid bronchoscopy;Bronchoscopy; Balloon ; Perforation ; Y-shaped silicone stent; Tracheal stenosis

Some related figures:

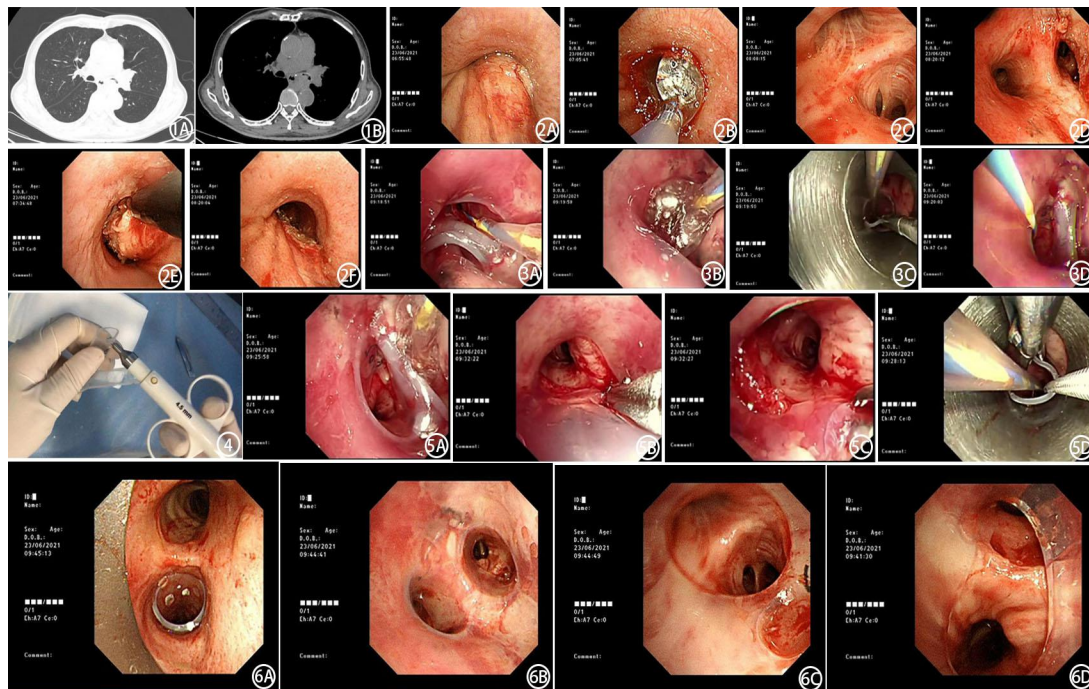


Figure 1. Chest CT;Figure 2. Bronchoscopic manifestations;Figure 3. Failure of conventional stent placement;Figure 4. Perforation technique;Figure 5. Balloon dilatation guided combined with perforation placed the difficult Y-shaped silicone stent;Figure 6. Successful stent placement.