

Reinforcement of an end-to-end tracheal resection anastomosis with fibrin glue: A case report.

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Abstract:

Tracheal resection and primary anastomosis is the treatment of choice for a short-segment stenosis. However, the procedure does carry the risk of two potentially fatal complications: anastomosis breakdown and leak. We describe the case of a 67-year-old man who was treated for a 3-cm tracheal stenosis secondary to a prolonged intubation and multiple tracheostomies. The patient underwent a tracheal resection and primary anastomosis. The anastomosis was reinforced with fibrin sealant, which created an airtight seal. The patient was extubated postoperatively, and he healed without complication. Fibrin sealant is a convenient, safe, and effective material for reinforcing anastomotic suture lines.