

**Title** Anesthetic Management of Relapsing Polychondritis

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Relapsing polychondritis is an autoimmune disease involving the degeneration of cartilaginous structure throughout the body. Clinical presentation includes problems associated with subglottic and glottic stenosis, bronchial tree collapse, mitral and aortic insufficiency progressing to dilated cardiomyopathy, copious airway secretions and pneumonia, reactive airway, atlantooccipital and joint laxity, deafness, and anterior uveitis.

The case presentation focuses on the endoscopic stenting of bronchial strictures in a morbidly obese 53yo woman presenting with several daytime and nocturnal asthma, saddle nose deformity, and anterior uveitis. Poster images will include pre and post op PFT's illustrating intra/extrathoracic obstruction, beautiful color 3D reconstruction of the bronchial tree, intubation techniques in the presence of complete lack of tracheal rings and normal bronchial tree architecture, new stenting technology, endoscopic and radiographic images of stent deployment, and postop management. It will be a GREAT poster.