

### **Granulomatosis with polyangiitis (GPA)**

- Large airway involvement is seen in approximately 20% of patients with GPA, most commonly manifesting as subglottic tracheal stenosis with circumferential mucosal thickening.
- The posterior membranous trachea is not spared. Calcifications are not seen.

### **Sarcoidosis**

- Tracheal involvement by sarcoid is rare and usually seen in advanced disease. Tracheal sarcoid has a variable appearance ranging from smooth stenosis to a nodular or mass-like appearance.
- The posterior membranous trachea is not spared.