

# VATS right upper posterior segmentectomy with anomalous bronchi and pulmonary vessels: a case report and literature review

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## Research Article

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# Abstract

Background: Anatomic variation may increase the difficulty and risk for anatomic segmentectomy. The preoperative three-dimensional computed tomography bronchography and angiography(3D-CTBA) can provide a detailed model of the segmental structure, and contribute to precise and safe segmentectomy. Case presentation : We report a case with anomalous bronchi and pulmonary vessels in the right upper posterior segment (RS 2 ), under the guidance of 3D-CTBA, anatomic RS 2 segmentectomy was performed accurately and safely, the postoperative condition was uneventful. Conclusions: This rare case highlights the importance of 3D-CTBA to guide accurate segmentectomy with anatomic variation.