

INTERNATIONAL MASTERCLASS ON SUBLOBAR SURGERY

VISIBLE PATIENT PLANNING
CLINICAL CASES

09/2025

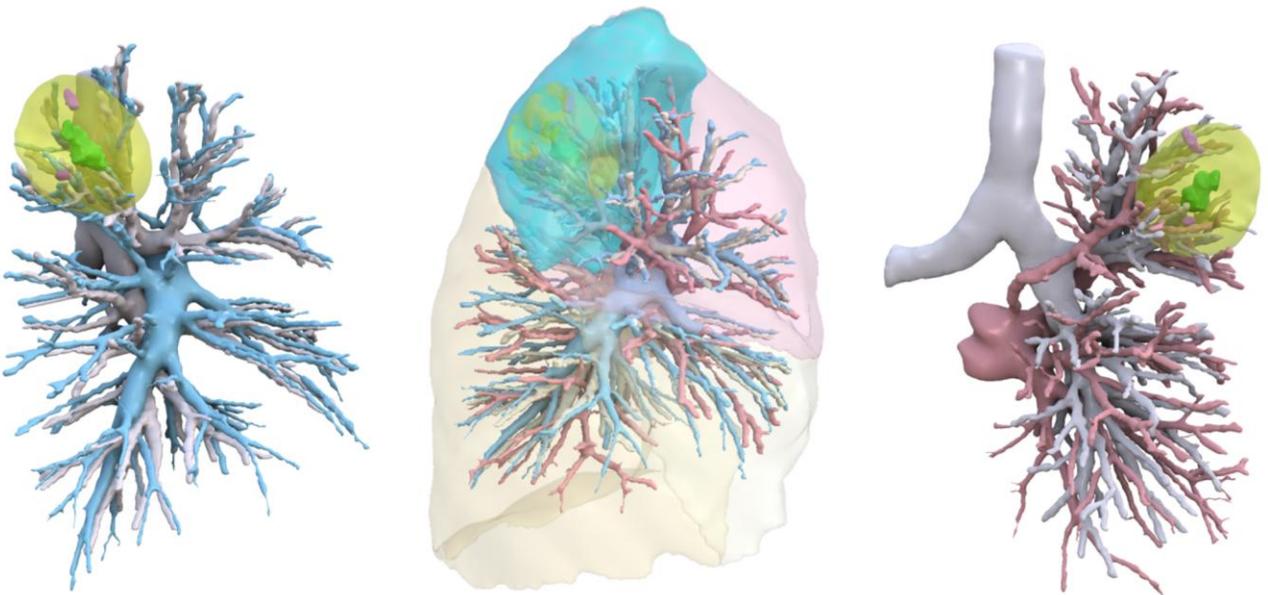
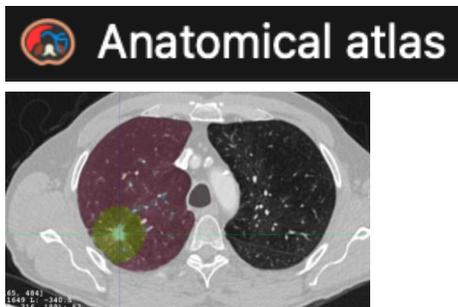


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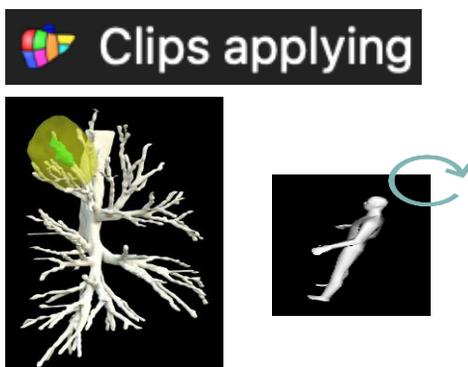
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KEY POINTS for analysing a case

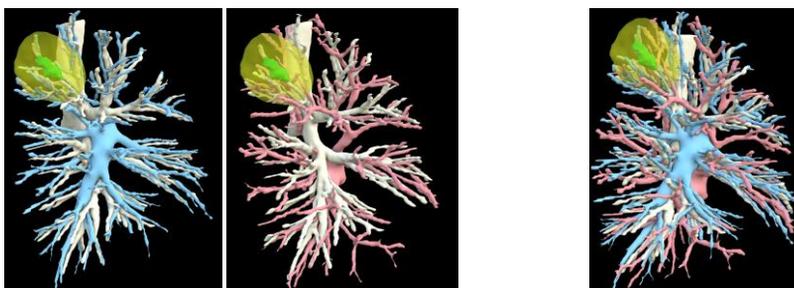
- 1- Use the **Anatomical Atlas activity** to analyse your case.



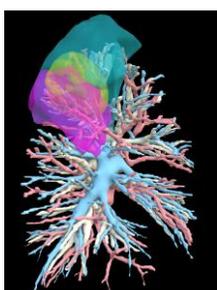
- 2- Use the **Clips Applying activity** and manipulate your model to **identify segments** based on the path of the bronchi (*Hide all 3D structures except the tumour and its safety margin if necessary*).



- 3- **Add arteries/veins and fused fissures** (*Landmarks on the model*) to complete the analysis



- 4- **Compose your resection** by selecting the target segments and sub-segments (*right clic on the branchial tree*).

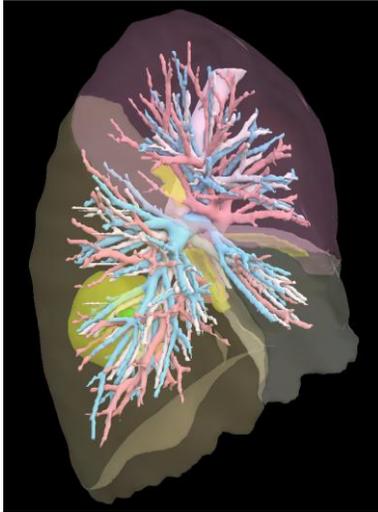


Clinical case - THORACIC 10

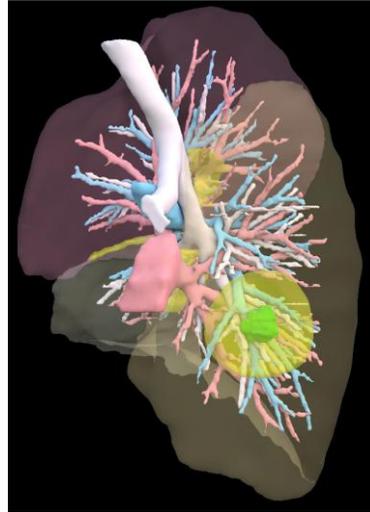
From CT-scan without injection

DIAGNOSTIC

- Suspicious basal lesion in **RLL**



Lateral view



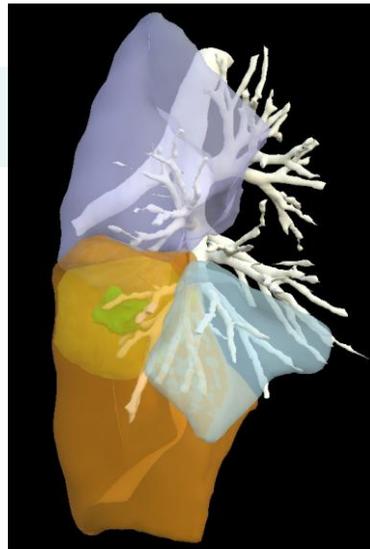
Internal view

KEY ANATOMICAL VARIATION

- **2 arteries** (*up and low*) for **S9** (*9a and 9b*)
- Upper **S9** has a **common drainage** with **S10**
- **Fused fissure**

SURGERY PERFORMED

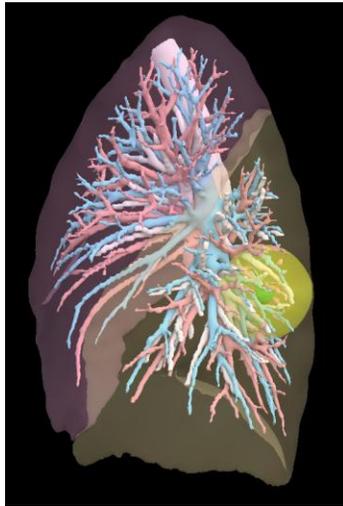
- **S6 + S9b + S10 R**



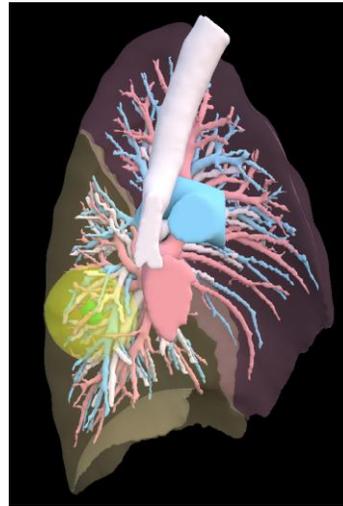
Clinical case - THORACIC 12

DIAGNOSTIC

- Lesion in **LLL**



Lateral view



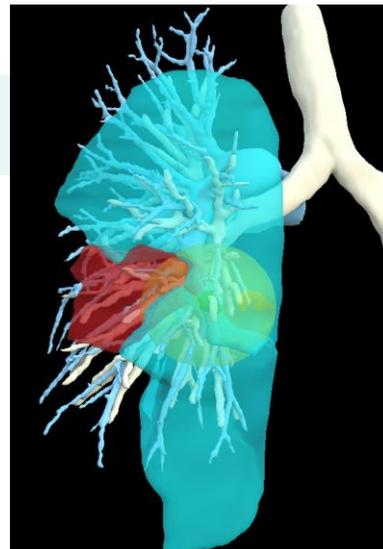
Internal view

KEY ANATOMICAL VARIATION

- **3 arteries** for **S6**
- Presence of **S***
- Vein from **S6b** drains **S6a**

SURGERY PERFORMED

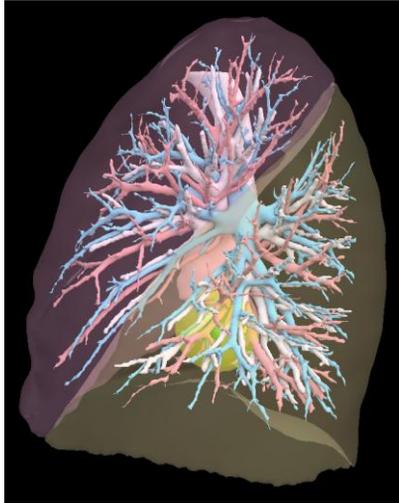
- **S6 + S10 L**



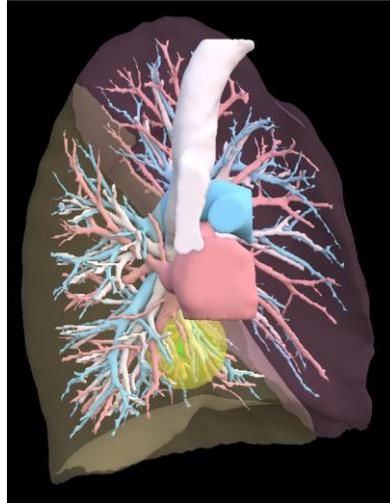
Clinical case - THORACIC 13

DIAGNOSTIC

- Antero-basal nodule in **LLL**



Lateral view



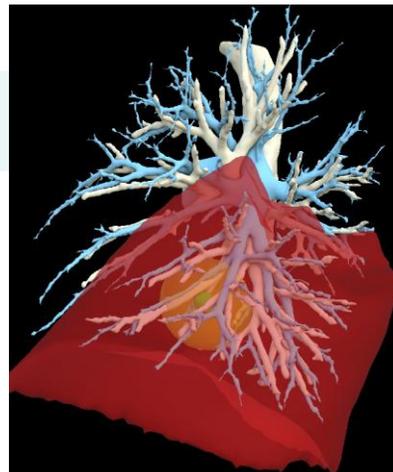
Internal view

KEY ANATOMICAL VARIATION

- Artery of **S9** which irrigates **S7**
- **No common arterial trunk** for **S7** and **S8**

SURGERY PERFORMED

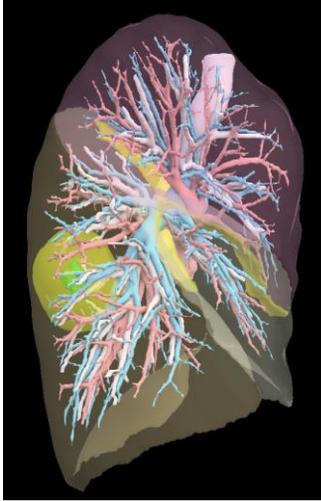
- **S7 + S8 + S9 + S10 L**



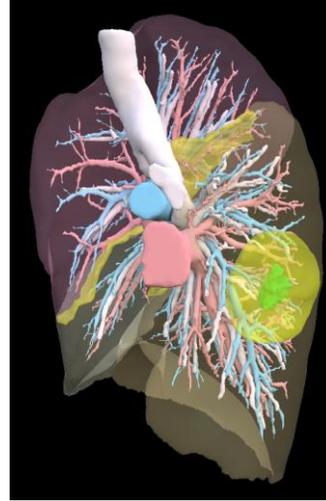
Clinical case - THORACIC 14

DIAGNOSTIC

- Postero-basal spiculated nodule in **RLL**



Lateral view



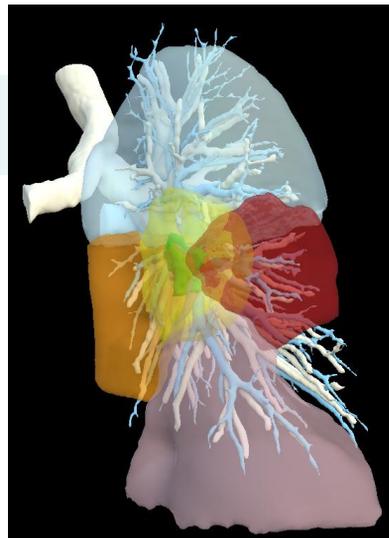
Internal view

KEY ANATOMICAL VARIATION

- Presence of **S***
- Additional **posterior bronchus** with its artery
- **Fused fissure**

SURGERY PERFORMED

- **S6 + S* + S10 R**

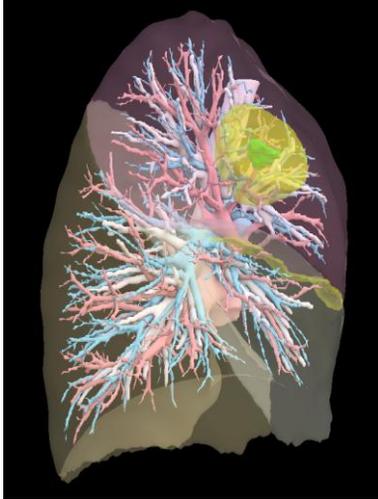


Clinical case - THORACIC 16

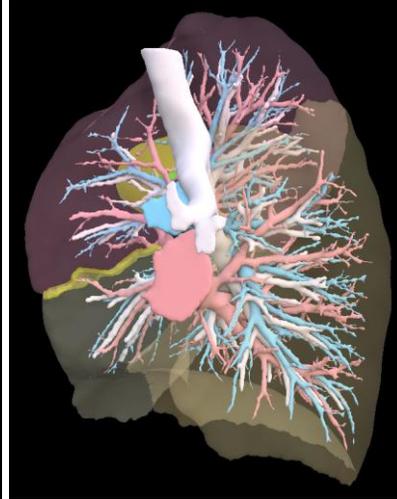
From CT-scan without injection

DIAGNOSTIC

- Ground-glass lesion in **RUL**



Lateral view



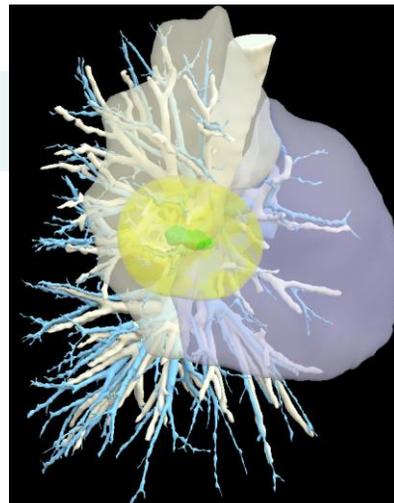
Internal view

KEY ANATOMICAL VARIATION

- **S1** in 2 parts
- **Fused fissure**

SURGERY PERFORMED

- **S1b + S3 R**

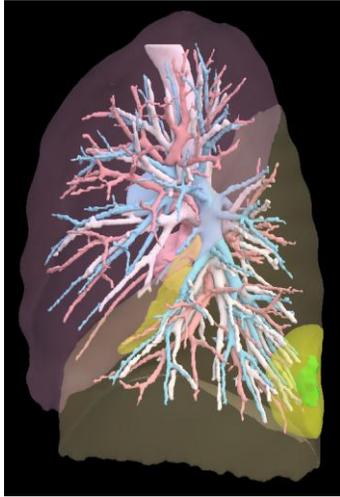


Clinical case - THORACIC 18

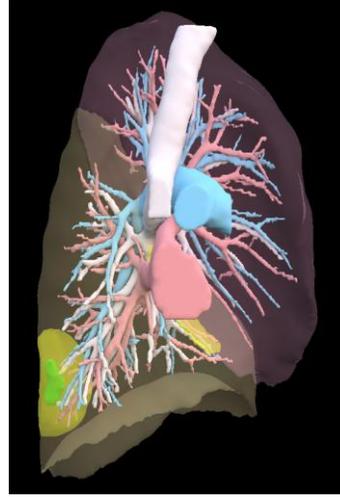
From CT-scan without injection

DIAGNOSTIC

- Nodule in **LLL** with spiculated contours



Lateral view



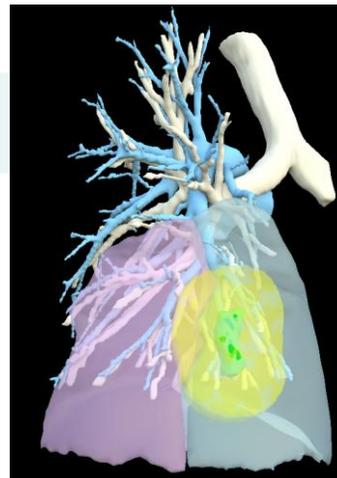
Internal view

KEY ANATOMICAL VARIATION

- Presence of **S***
- **2 arteries** for **S6**
- Lower lobe vein **draining S5**
- **Fused fissure**

SURGERY PERFORMED

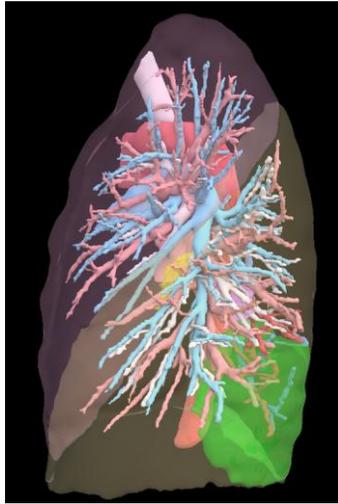
- **S9 + S10 L**



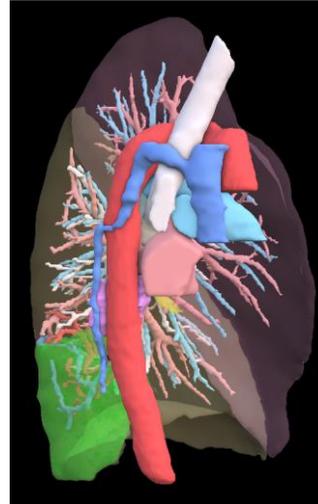
Clinical case – THORACIC Sequestration

DIAGNOSTIC

- Patient with **LLL pulmonary sequestration**



Lateral view



Internal view

KEY ANATOMICAL VARIATION

- **2 systemic arteries**
- Veinous drainage of the **azygos vein**

SURGERY PERFORMED

No return about the segmentectomy

