

## Bronchoscopy/Radiology Skills and Tasks Assessment Tool (BRadSTAT)

Name: \_\_\_\_\_ Training Year \_\_\_\_\_ Date \_\_\_\_\_

Educational Item*	Satisfactory Yes/No
Items 1-10 each scored separately	
<b>1. Chest radiograph-identify lobe or segment: Right lung (match images)</b> Image A Image B Image C Image D Image E	Yes / No  Score ____/10
<b>2. Chest radiograph- identify lobe or segment: Left lung (match images)</b> Image F Image G Image H Image I Image J	Yes / No  Score ____/10
<b>3. CT – identify airways: Right lung (match images)</b> Image A Image B Image C Image D Image E	Yes / No  Score ____/10
<b>4. CT – identify airways: Left lung (match images)</b> Image F Image G Image H Image I Image J	Yes / No  Score ____/10
<b>5. CT- identify segments: Right lung (match images)</b> RB1 apical RB2 posterior RB3 anterior RB4 lateral RB5 medial RB6 superior RB7 mediobasal RB8 anterobasal RB9 laterobasal RB10 posterobasal	Yes / No  Score ____/10
<b>6. CT- identify segments: Left lung (match images)</b> LB1+2 apical/posterior LB3 anterior (LB 1+2 and LB3 have 2 corresponding images each) LB4 superior LB5 inferior LB6 superior LB8 anterobasal LB9 laterobasal LB10 posterobasal	Yes / No  Score ____/10
<b>7. Circle the response that correctly identifies these five CXR lesions</b> Image A Image B Image C Image D Image E	Yes / No  Score ____/10
<b>8. Circle the response that correctly identifies these five CT lesions</b> Image A Image B Image C Image D Image E	Yes / No  Score ____/10
<b>9. CT: Correctly identify the location of these lesions and maneuver the bronchoscope to the correct segment: Right lung</b> Image A Image B Image C Image D Image E	Yes / No  Score ____/10
<b>10. CT: Correctly identify the location of these lesions and maneuver the bronchoscope to the correct segment: Left lung</b> Image F Image G Image H Image I Image J	Yes / No  Score ____/10

FINAL GRADE

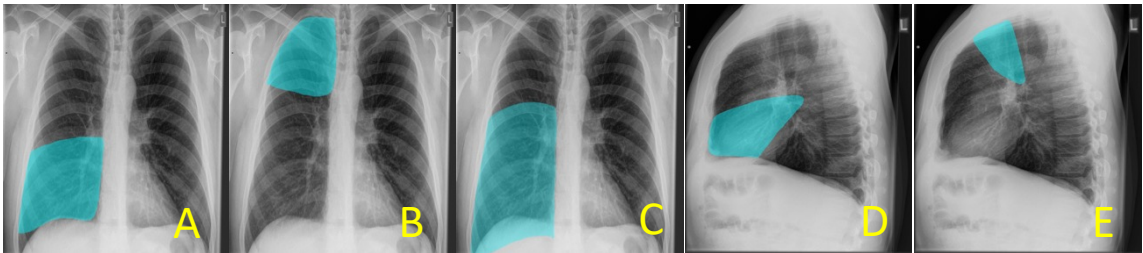
PASS

FAIL

SCORE \_\_\_\_\_/100

### Question 1

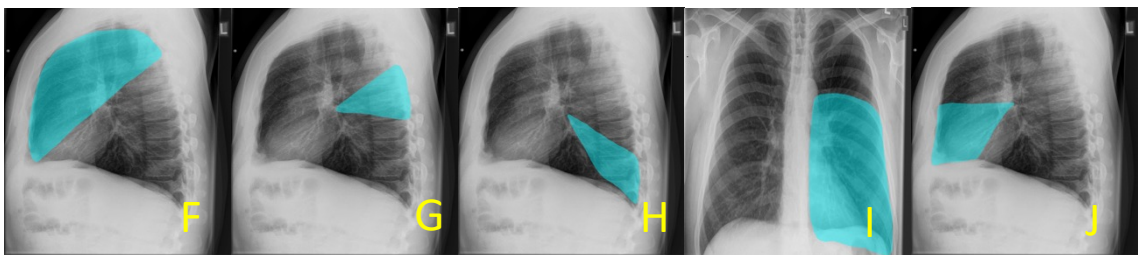
**INSTRUCTIONS**  
 Match each highlighted chest radiograph to its corresponding right lung lobe.  
 There is one correct response to each image (ie there will be one incorrect response remaining)



<u>D/A</u>	<u>C</u>	<u>        </u>	<u>D/A</u>	<u>E</u>	<u>B</u>
Right middle lobe	Right lower lobe	Right upper lobe anterior	Right middle lobe	Right upper lobe apical	Right upper lobe

### Question 2

**INSTRUCTIONS**  
 Match each highlighted chest radiograph to its corresponding left lung lobe.  
 There is one correct response to each image (ie there will be one incorrect response remaining)

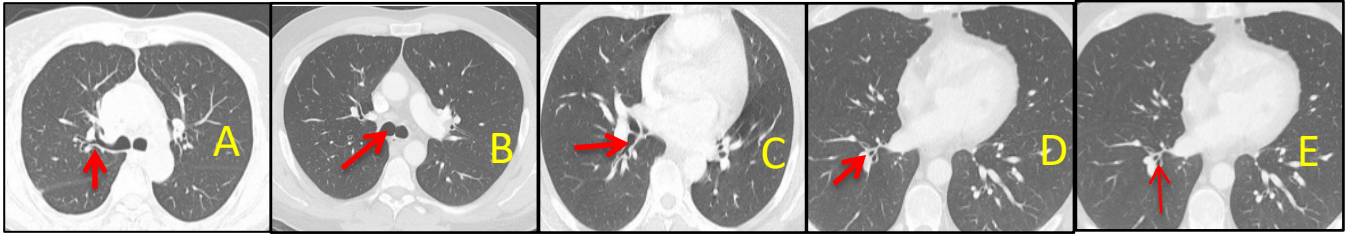


<u>G</u>	<u>F</u>	<u>H</u>	<u>J</u>	<u>        </u>	<u>I</u>
Left lower lobe superior	Left upper lobe	Left lower lobe posterior	Left <u>lingula</u>	Left lower lobe lateral	Left lower lobe

### Question 3

#### INSTRUCTIONS

Match each computed tomography image to its corresponding RIGHT lung airway\*  
 There is one correct response for each image (ie there will be one incorrect response remaining)

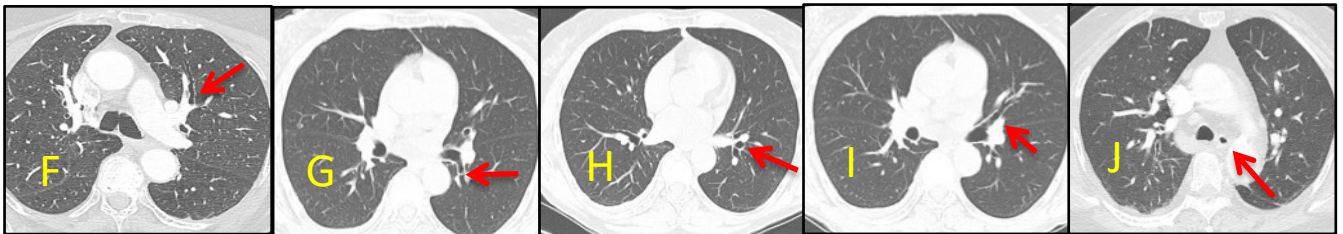


<u>  B  </u>	<u>  C  </u>	<u>  A  </u>	<u>      </u>	<u>  D  </u>	<u>  E  </u>
Right main bronchus	Right lower lobe superior (RB6)	Right upper lobe posterior (RB2)	Right middle lobe lateral (RB4)	Right lower lobe lateral (RB9)	Right lower lobe posterior (RB10)

### Question 4

#### INSTRUCTIONS

Match each computed tomography image to its corresponding LEFT lung airway\*  
 There is one correct response for each image (ie there will be one incorrect response remaining)



<u>  H  </u>	<u>  F  </u>	<u>      </u>	<u>  I  </u>	<u>  J  </u>	<u>  G  </u>
Left lower lobe lateral (LB9)	Left upper lobe anterior (LB3)	Left lower lobe posterior (LB10)	Left <u>lingula</u>	Esophagus	Left lower lobe superior (LB6)

\*Jackson-Huber nomenclature and Japanese system numbering are used throughout BRadSTAT

Question 5.

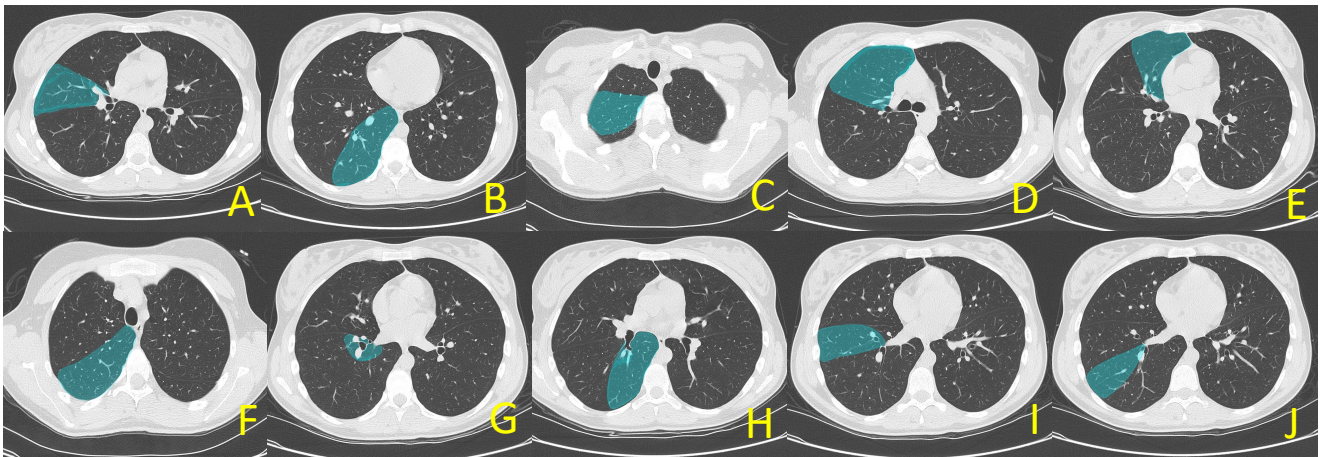
Right lung bronchopulmonary segments

INSTRUCTIONS

Match the images (A-J) to the corresponding 10 CT segments\*

There is one correct response for each image

Refer to Appendix A for supporting CT slides



<u>C</u>	<u>F</u>	<u>D</u>	<u>A</u>	<u>E</u>
Right upper lobe apical (RB1)	Right upper lobe posterior (RB2)	Right upper lobe anterior (RB3)	Right middle lobe lateral (RB4)	Right middle lobe medial (RB5)
<u>H</u>	<u>G</u>	<u>I</u>	<u>J</u>	<u>B</u>
Right lower lobe superior (RB6)	Right lower lobe medial (RB7)	Right lower lobe anterior (RB8)	Right lower lobe lateral (RB9)	Right lower lobe posterior (RB10)

Question 6.

Left lung bronchopulmonary segments

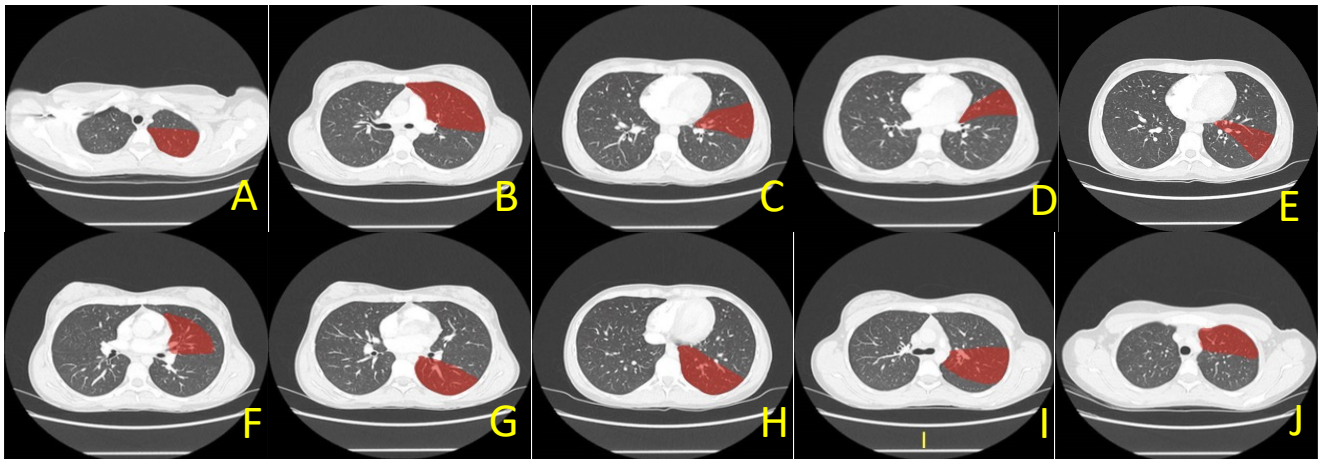
**INSTRUCTIONS**

Match the images (A-J) to the corresponding 10 CT segments\*

There is one correct response for each image

*Note: There are 4 images corresponding to left upper lobe*

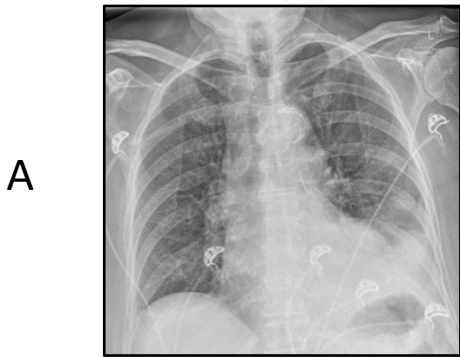
Refer to Appendix B for supporting CT slides



<u>A/I</u>	<u>B/J</u>	<u>A/I</u>	<u>B/J</u>	<u>F</u>
Left upper lobe apicoposterior (LB1+2)	Left upper lobe anterior (LB3)	Left upper lobe apicoposterior (LB1+2)	Left upper lobe anterior (LB3)	Superior lingula (LB4)
<u>D</u>	<u>G</u>	<u>C</u>	<u>E</u>	<u>H</u>
Inferior lingula (LB5)	Left lower lobe superior (LB6)	Left lower lobe anteromedial (LB8)	Left lower lobe lateral (LB9)	Left lower lobe posterior (LB10)

Question 7

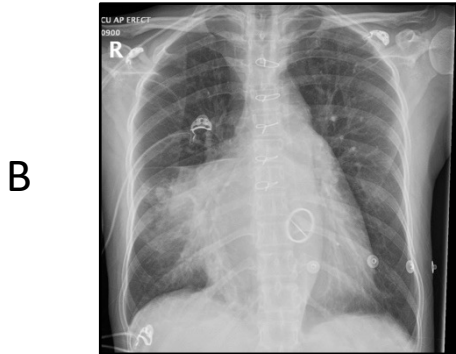
Each CXR has a lobar or segmental abnormality.  
Circle the response that corresponds to each CXR abnormality



Left lower lobe

Or

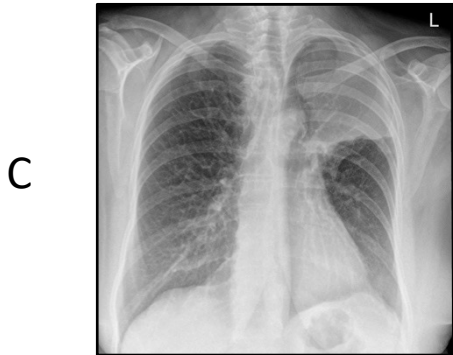
Lingula



Right lower lobe

Or

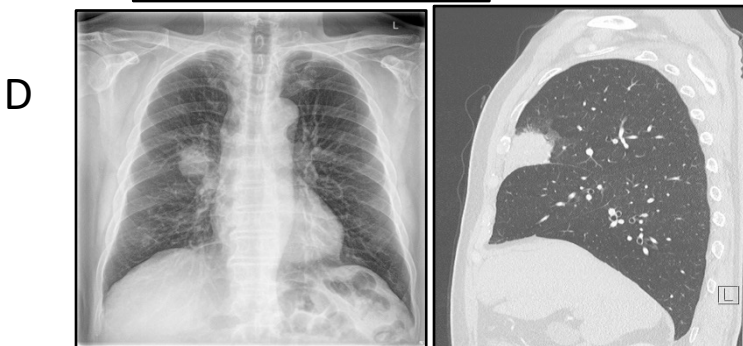
Right middle lobe



Left upper lobe

Or

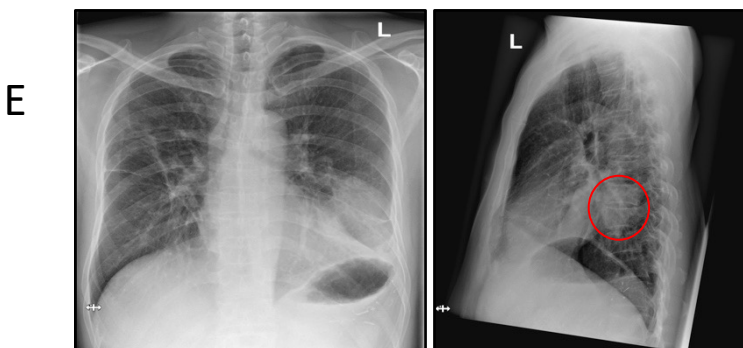
Superior lingula



Right upper lobe anterior

Or

Right middle lobe



Left lower lobe

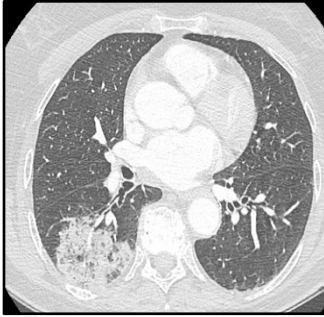
Or

Lingula

Question 8

Each CT has a lobar or segmental abnormality.  
Circle the correct answer corresponding to each CT abnormality

A

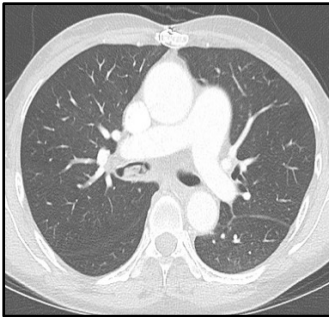


Right lower lobe lateral

Or

Right lower lobe superior

B

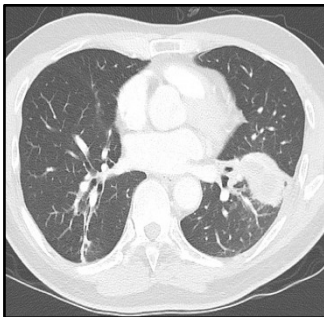


Right lower lobe common basal

Or

Bronchus intermedius

C

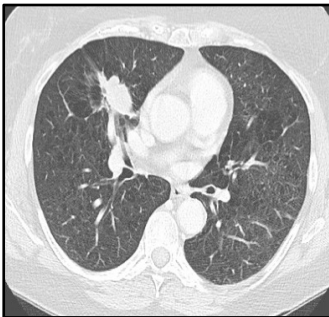


Inferior lingula

Or

Left lower lobe

D

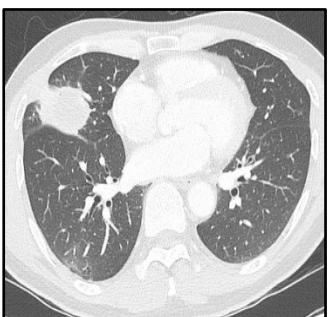


Right middle lobe medial

Or

Right upper lobe anterior

E



Right middle lobe medial

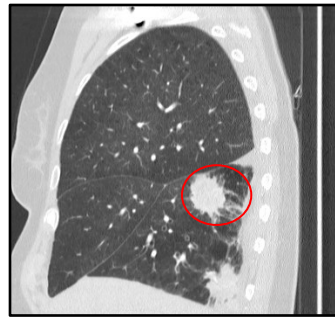
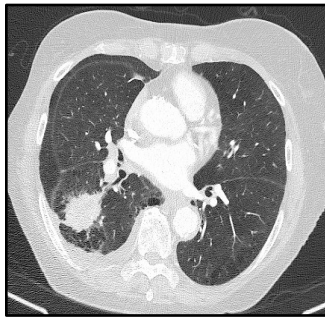
Or

Right middle lobe lateral

Question 9

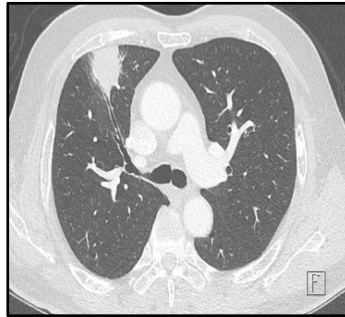
Identify the abnormal segment on CT, then navigate the bronchoscope to the correct segment in the simulator/model

A



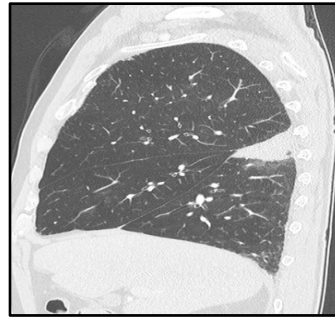
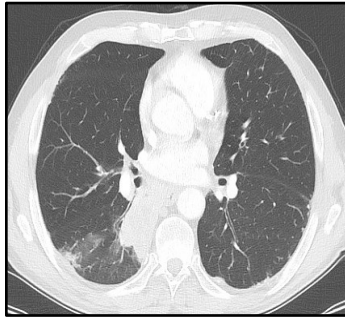
RLL superior  
RB6

B



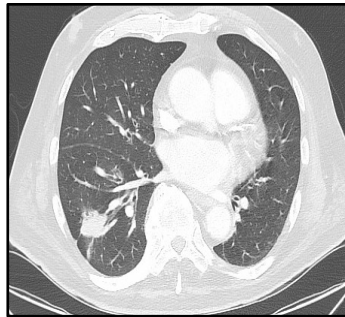
RUL anterior  
RB3

C



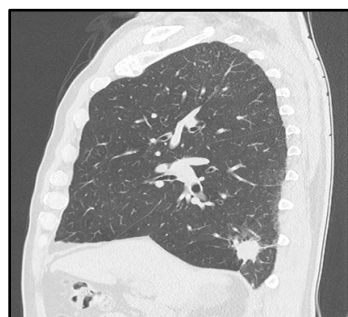
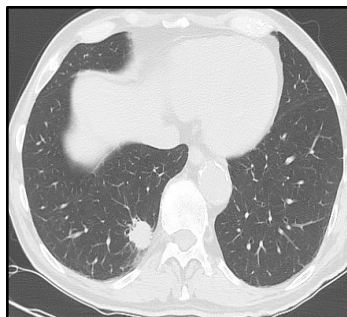
RLL superior  
RB6

D



RLL lateral  
RB9

E

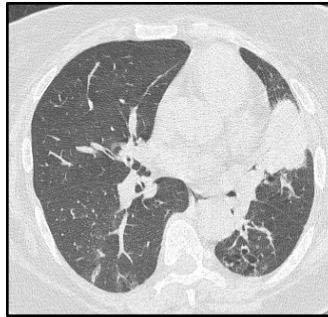


RLL posterior  
RB10

Question 10

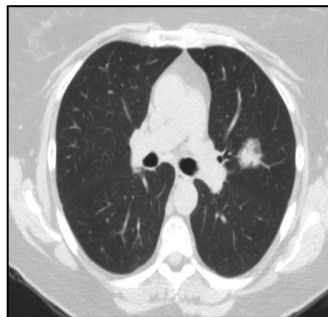
Identify the abnormal segment on CT, then navigate the bronchoscope to the correct segment in the simulator/model

A



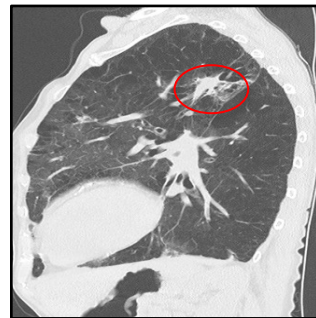
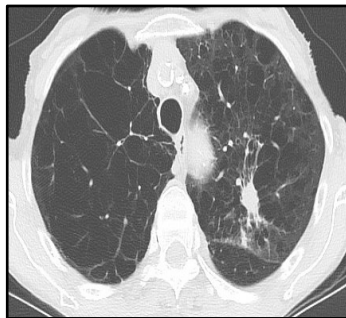
lingula

B



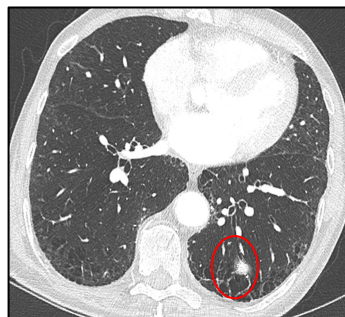
LUL anterior  
LB3

C



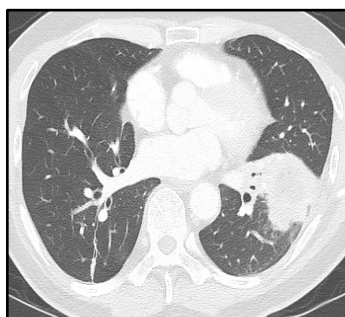
LUL apicoposterior  
LB1+2

D



LLL posterior  
LB10

E



LLL anterior or lateral  
LB8 or LB9