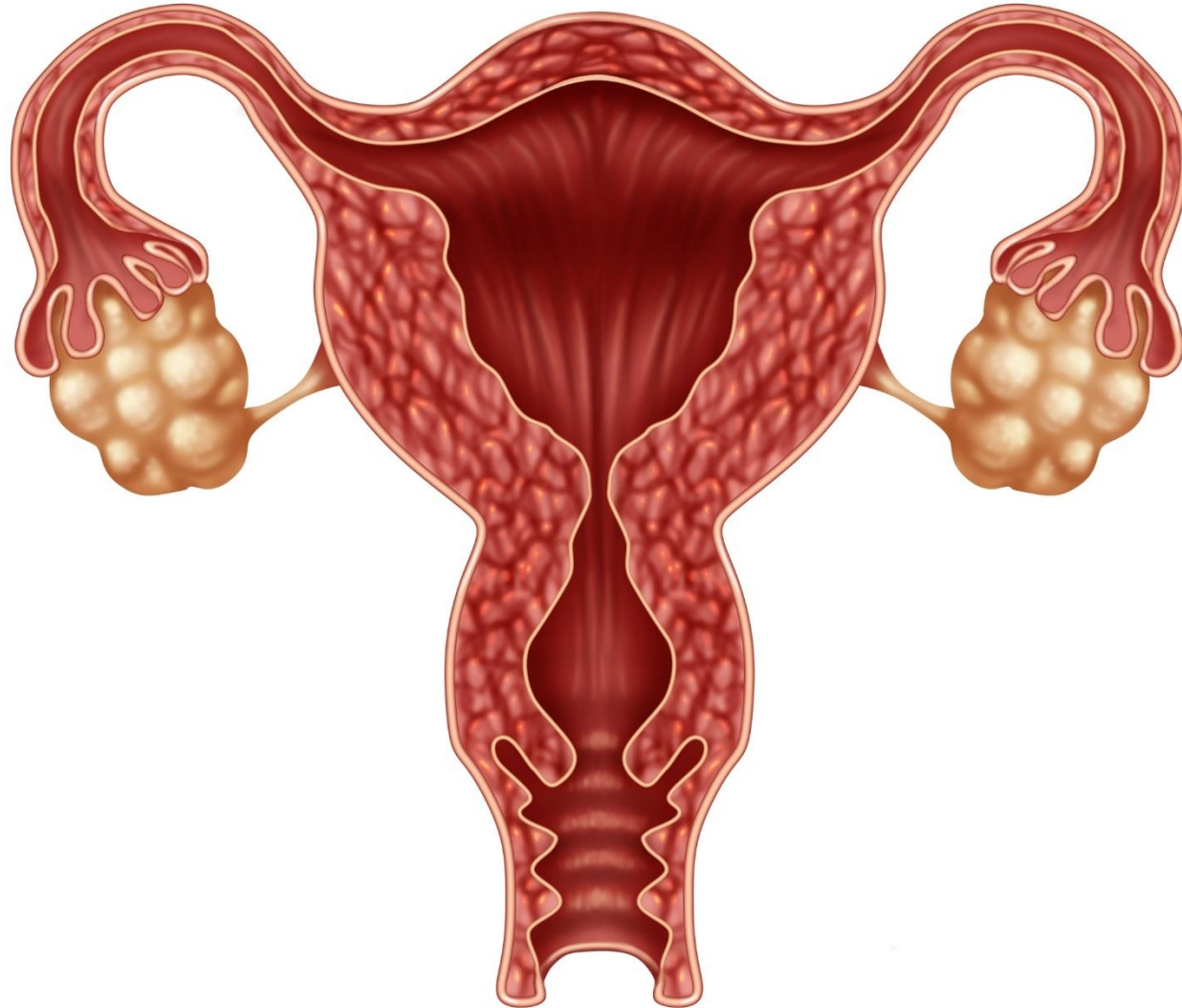




**SPATIAL REASONING**  
**Pelvis & 1<sup>st</sup> Trimester**  
**- Exercise -**

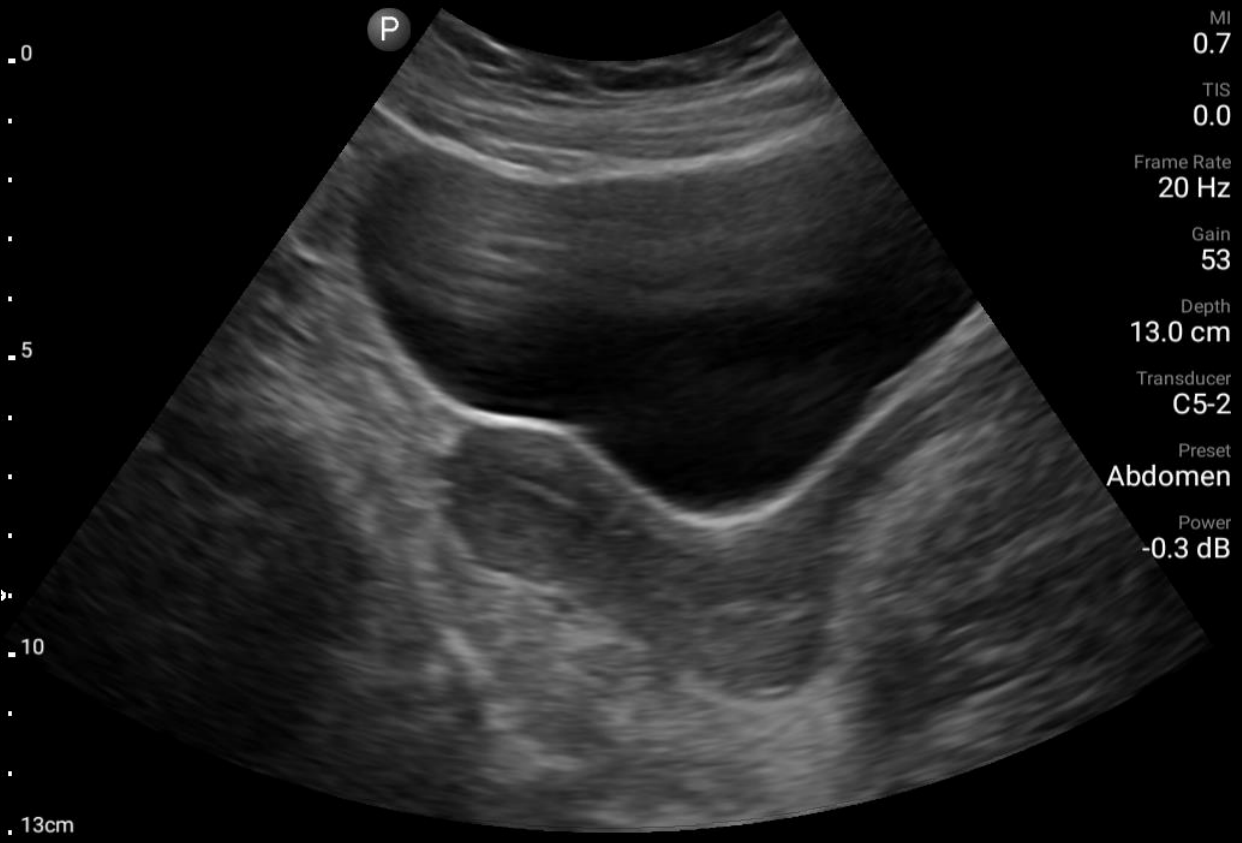
1

Draw a line to indicate the long axis of the uterus in the midline

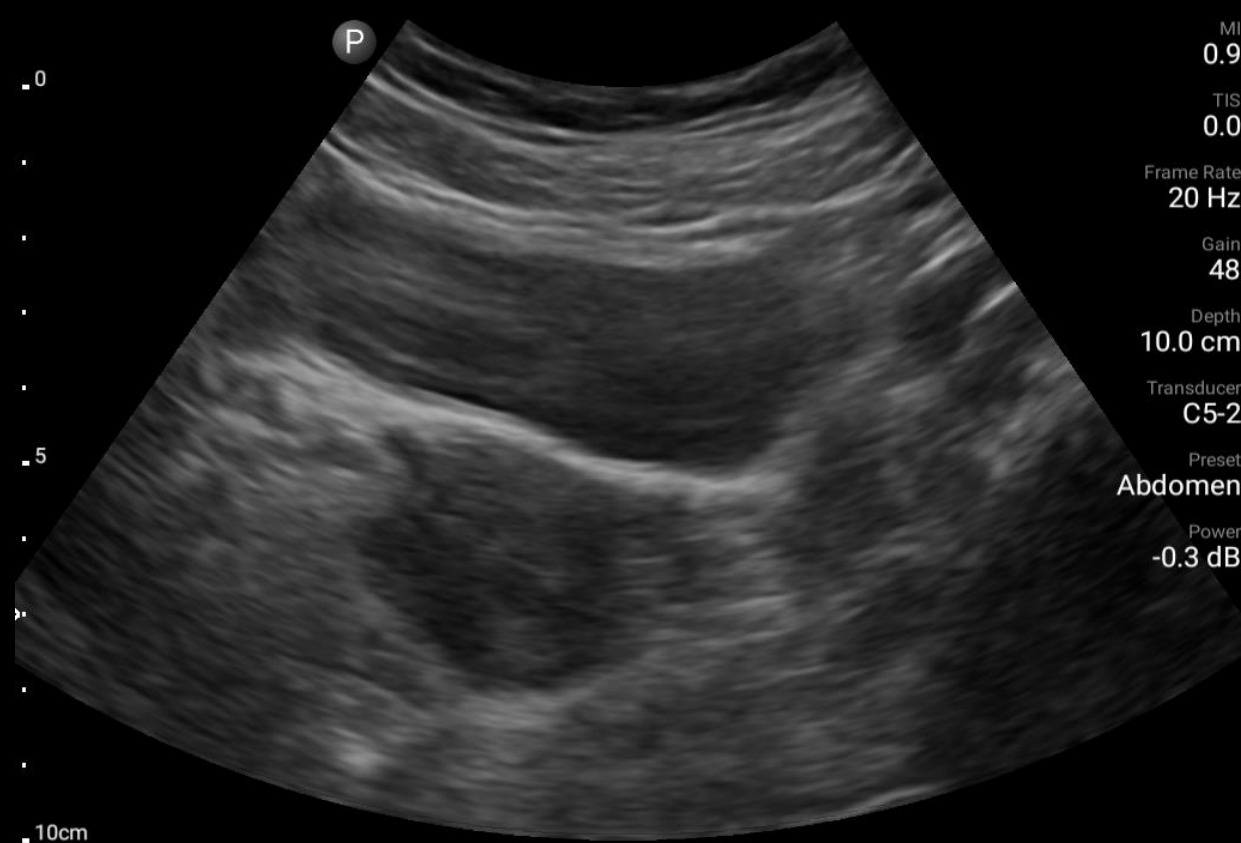


# 2

## Label the images of the uterus - Longitudinal and transverse



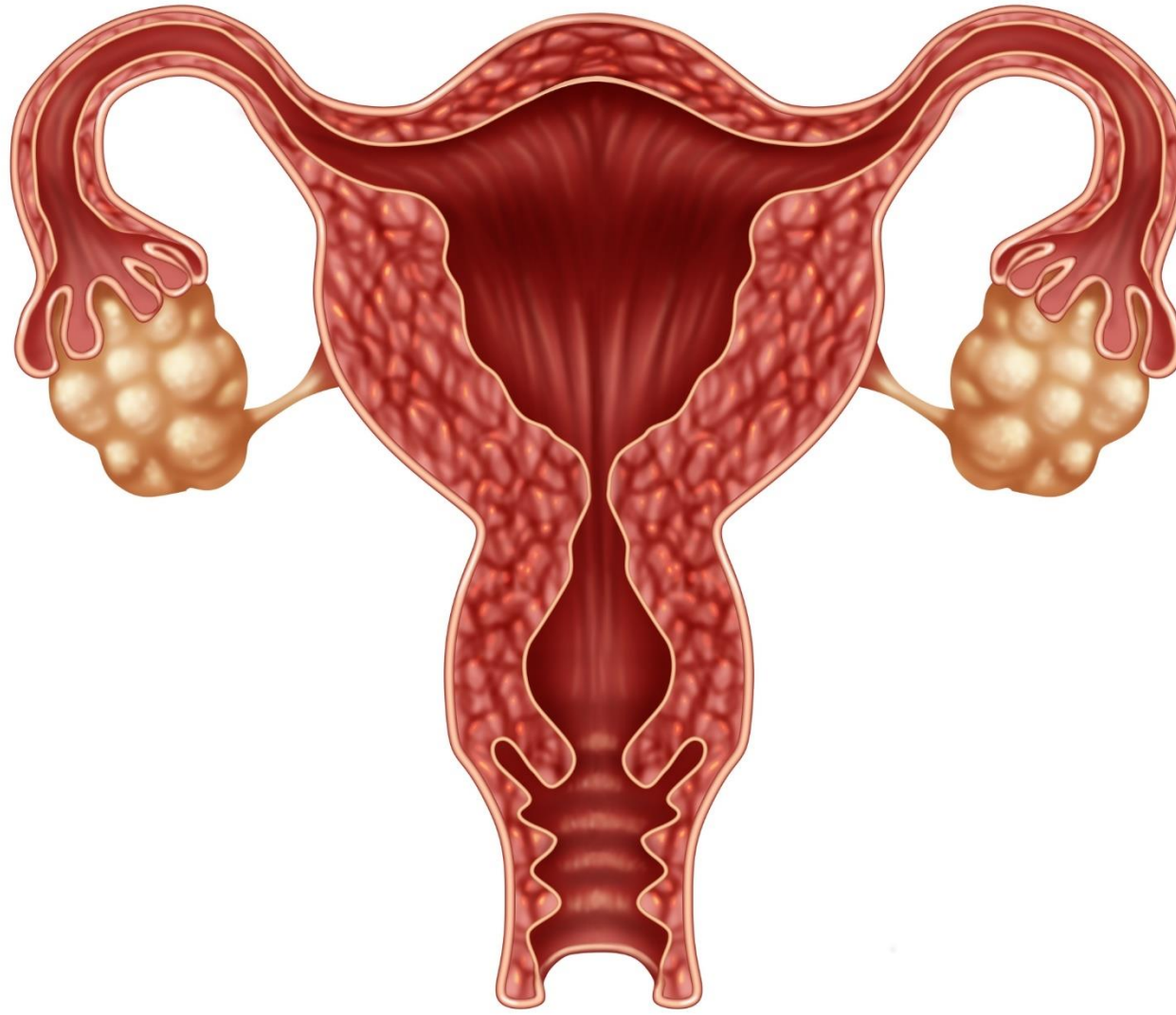
MI  
0.7  
TIS  
0.0  
Frame Rate  
20 Hz  
Gain  
53  
Depth  
13.0 cm  
Transducer  
C5-2  
Preset  
Abdomen  
Power  
-0.3 dB



MI  
0.9  
TIS  
0.0  
Frame Rate  
20 Hz  
Gain  
48  
Depth  
10.0 cm  
Transducer  
C5-2  
Preset  
Abdomen  
Power  
-0.3 dB

# 3

- a) Draw a line to indicate the short axis of the uterus at 1) fundus 2) cervix
- b) What probe movement do you need to make to go from cervix to fundus?

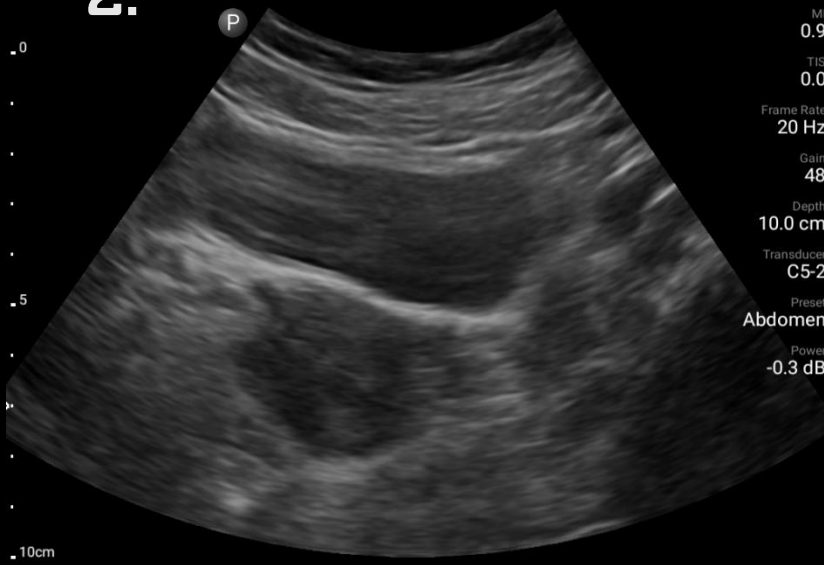


# 4 Draw a line matching letter to number

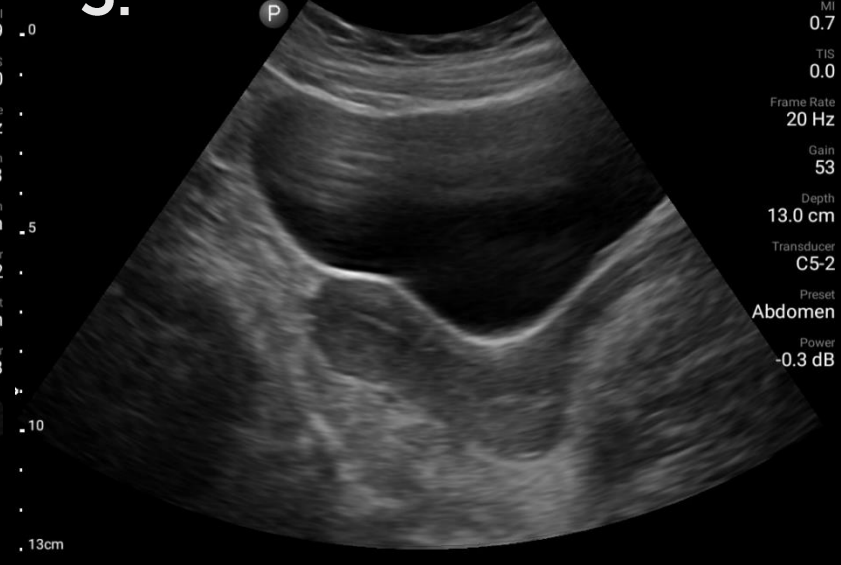
1.



2.



3.



a) Uterus Long

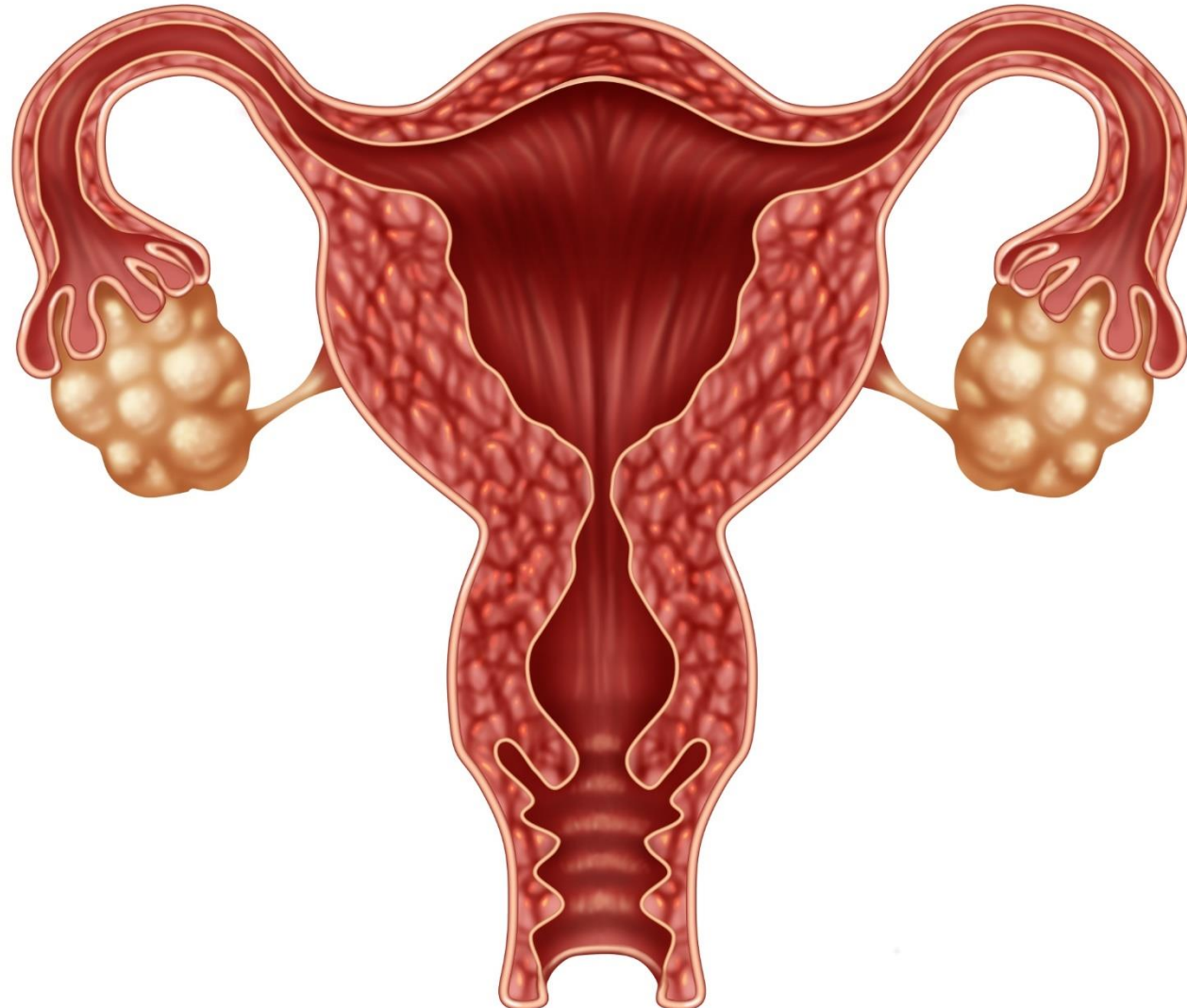
b) Cervix Trans

c) Fundus Trans



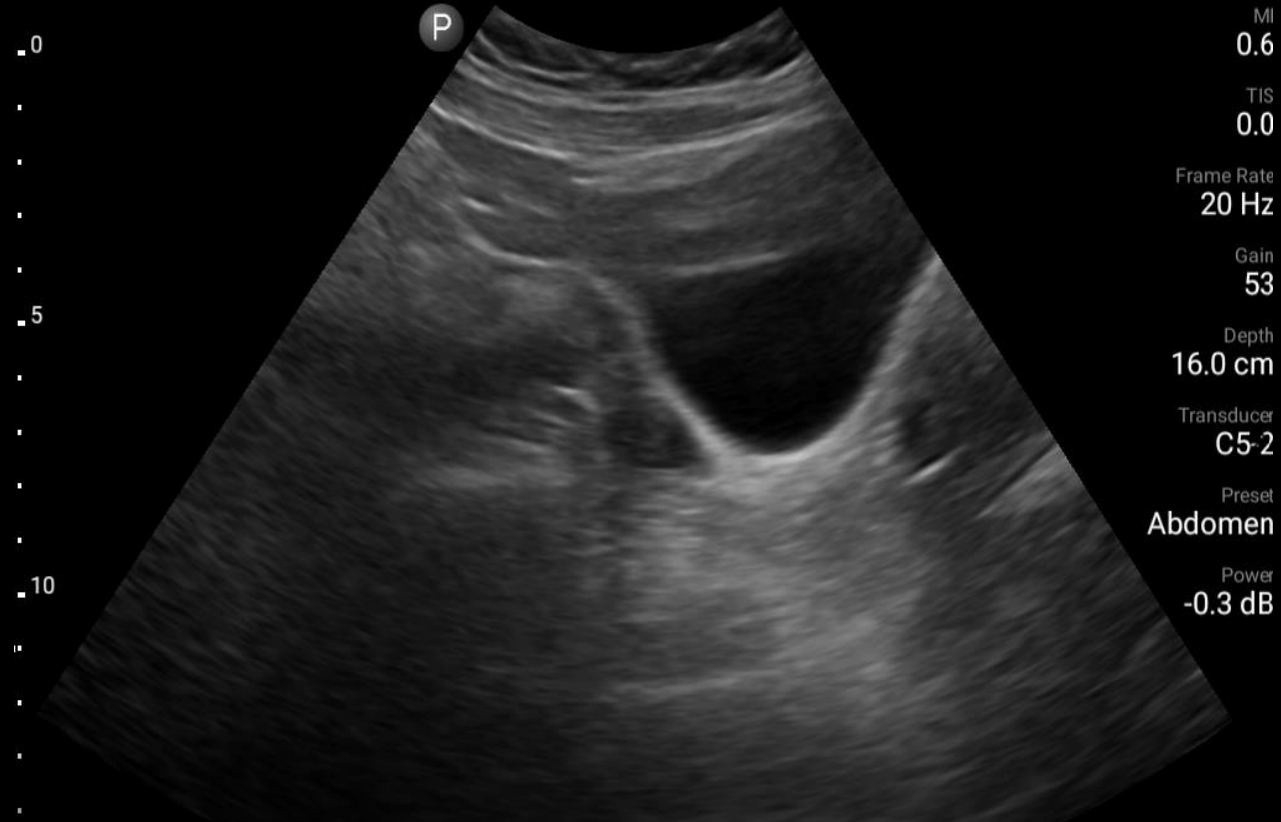
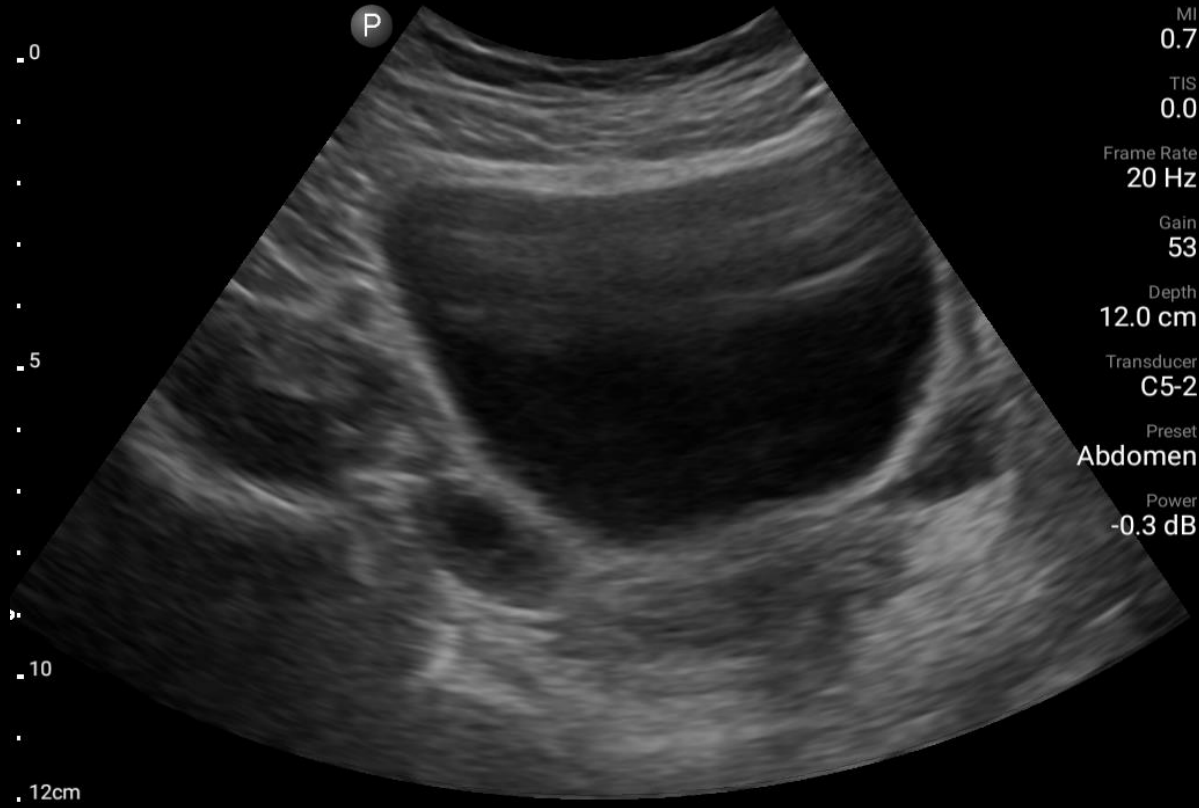
5

- a) Draw a line to indicate the 1) long axis of the right ovary 2) Short axis of right ovary
- b) What probe movement will be required to go from long to short axis of the ovary



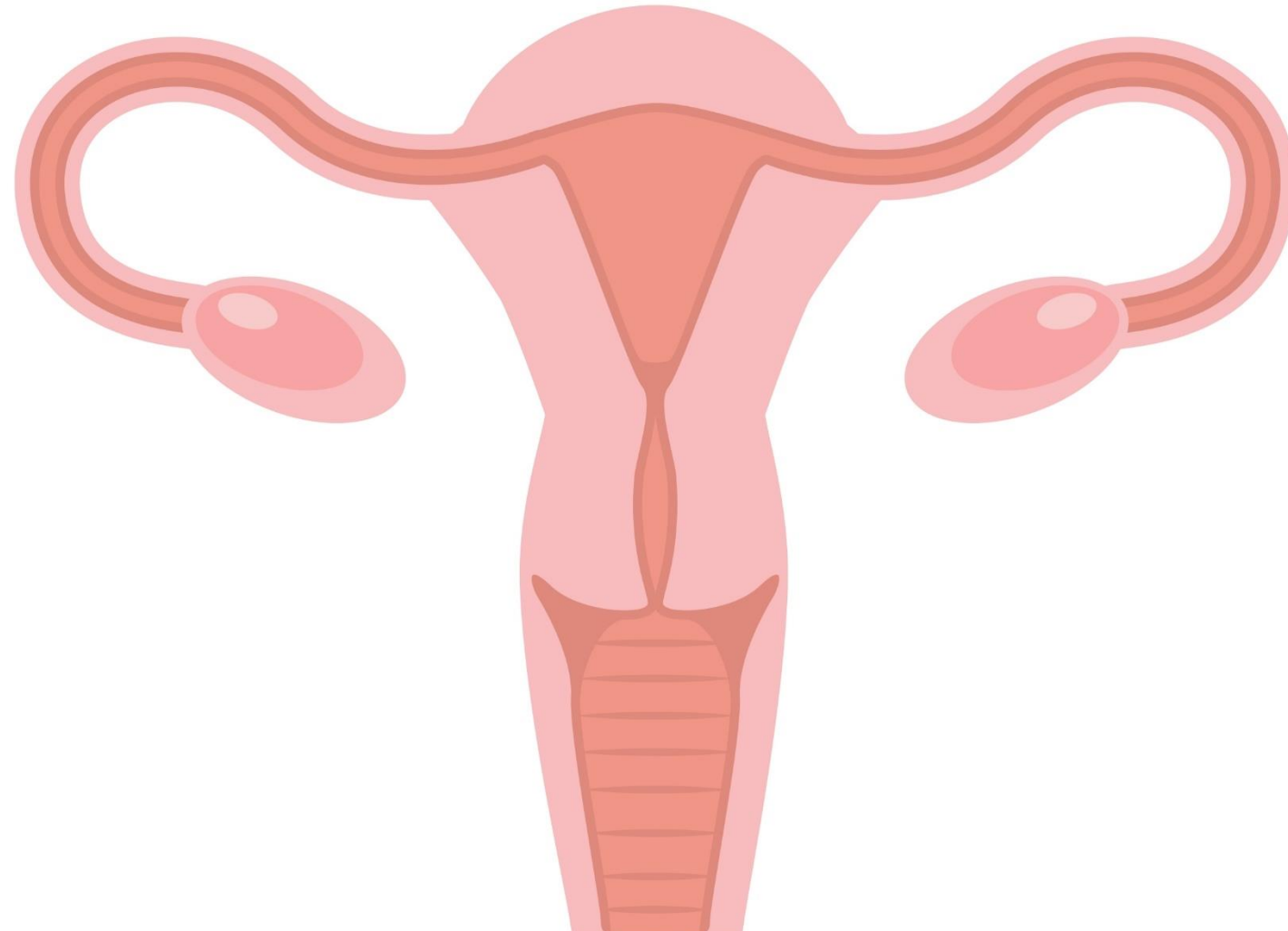
# 6

Identify which image is the longitudinal view and transverse view of the ovary



7

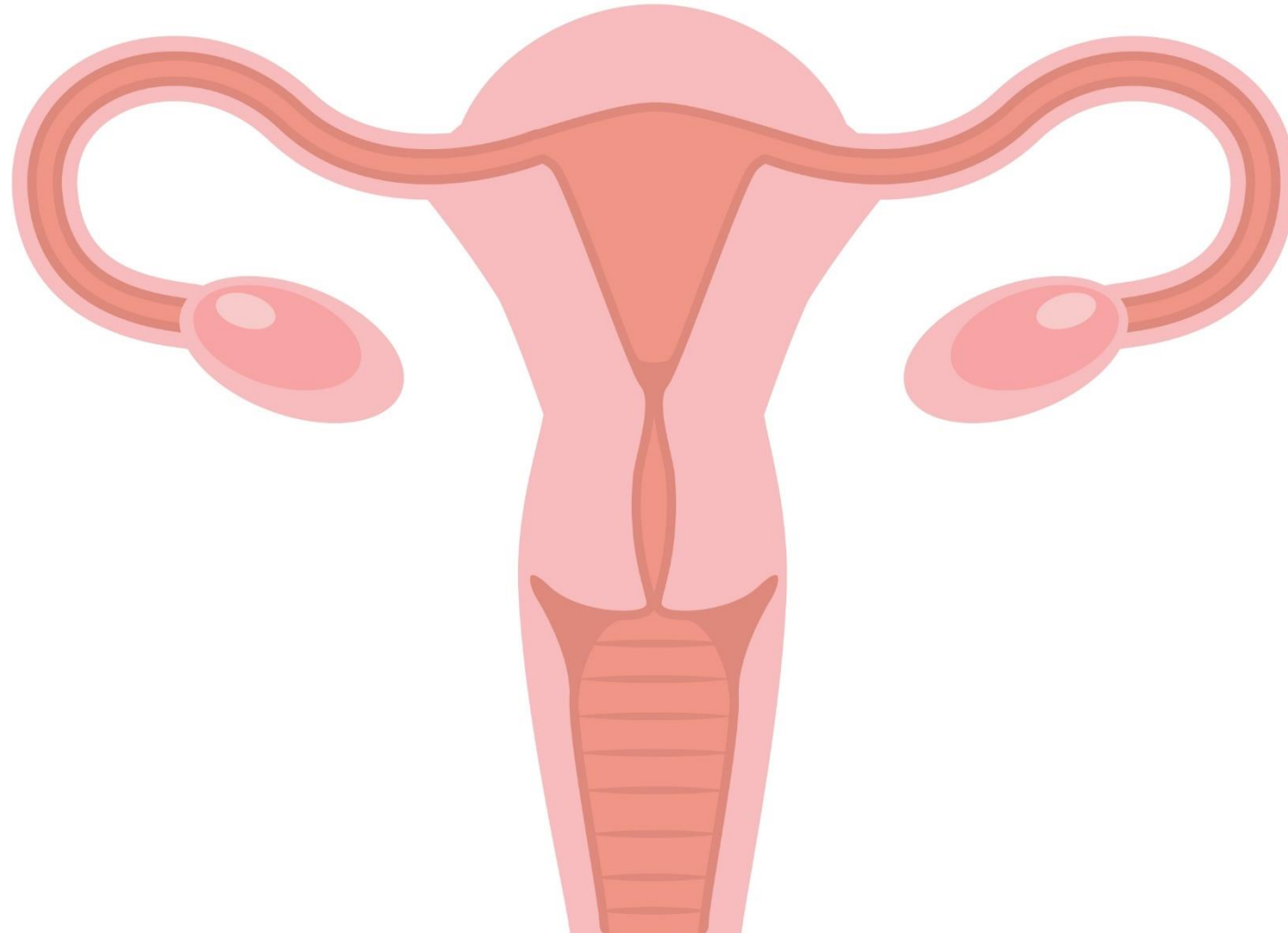
- a) Draw a line to indicate the 1) long axis of the right ovary 2) Short axis of right ovary  
b) How is it different to the previous example?





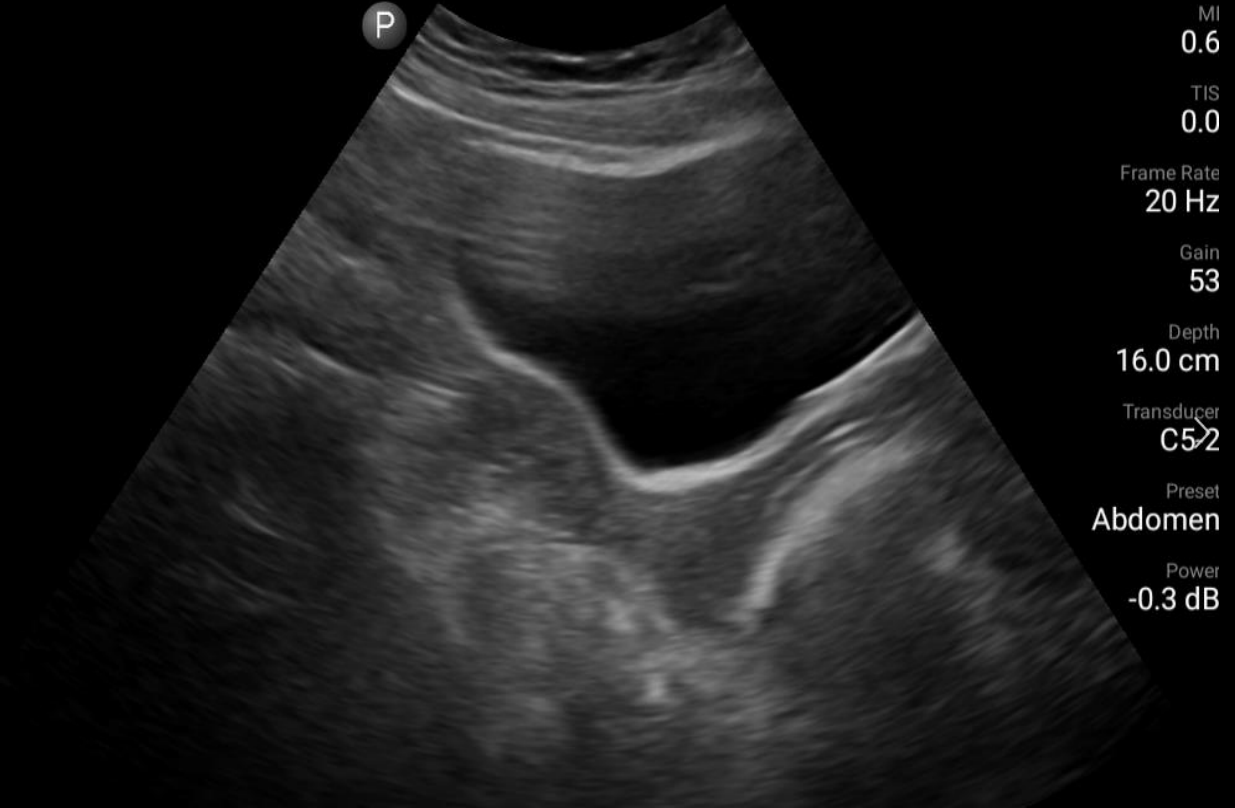
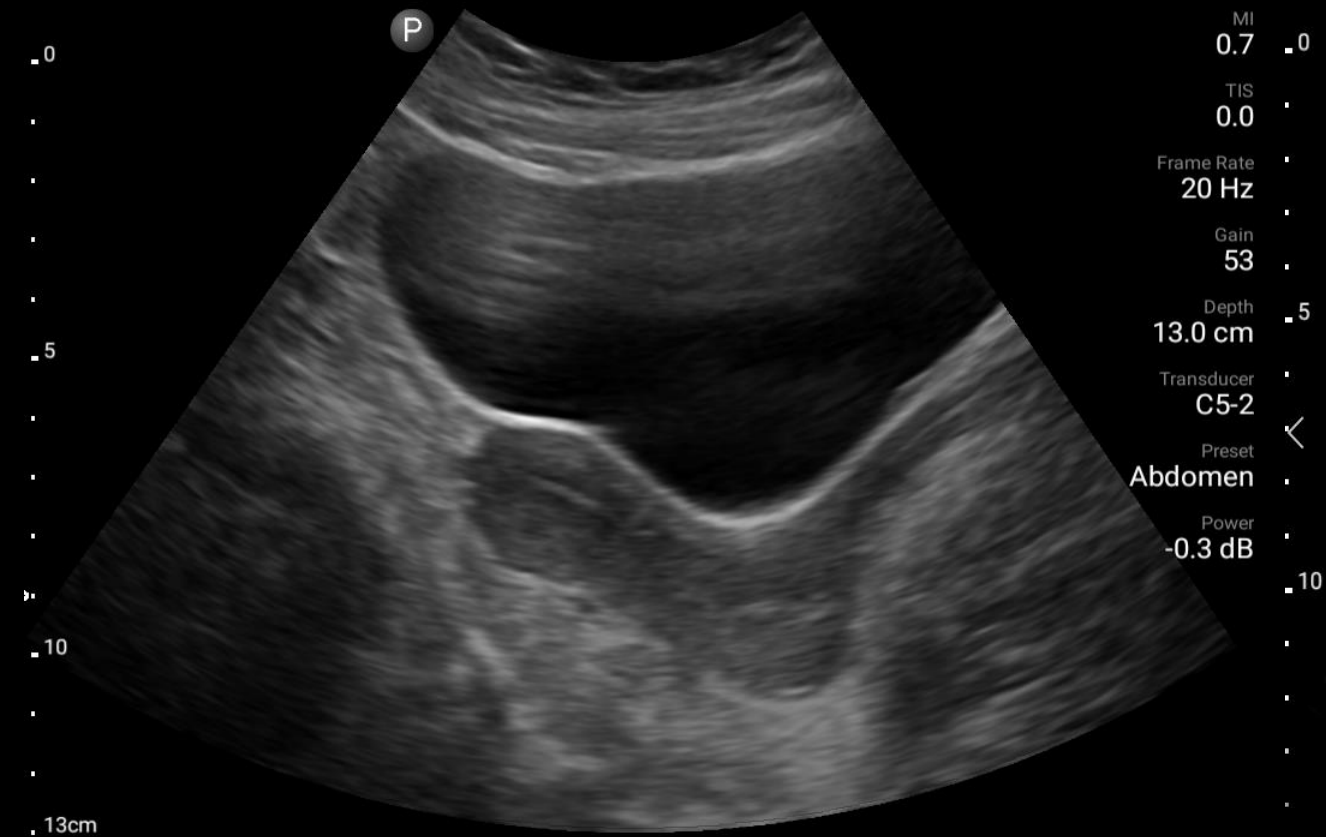
# 8

- a) Draw a line to indicate a parasagittal long axis view of the uterus
- b) What differences would you expect between this parasagittal view and a mid-line view?
- c) What key anatomical landmark is different?
- d) What probe movement would be required to move from the midline view to a parasagittal view of the uterus?



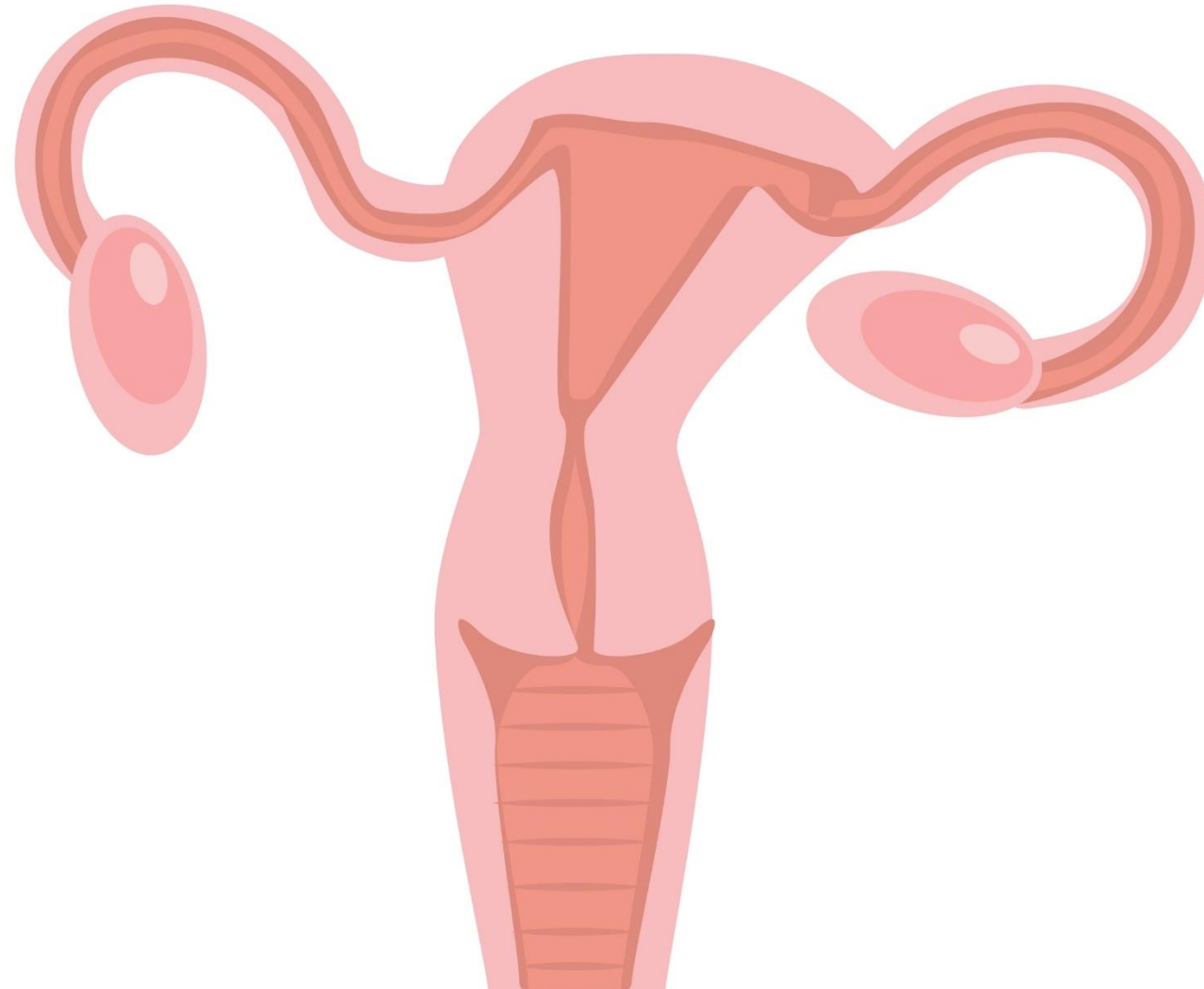
# 9

Identify which image is the midline view and parasagittal view



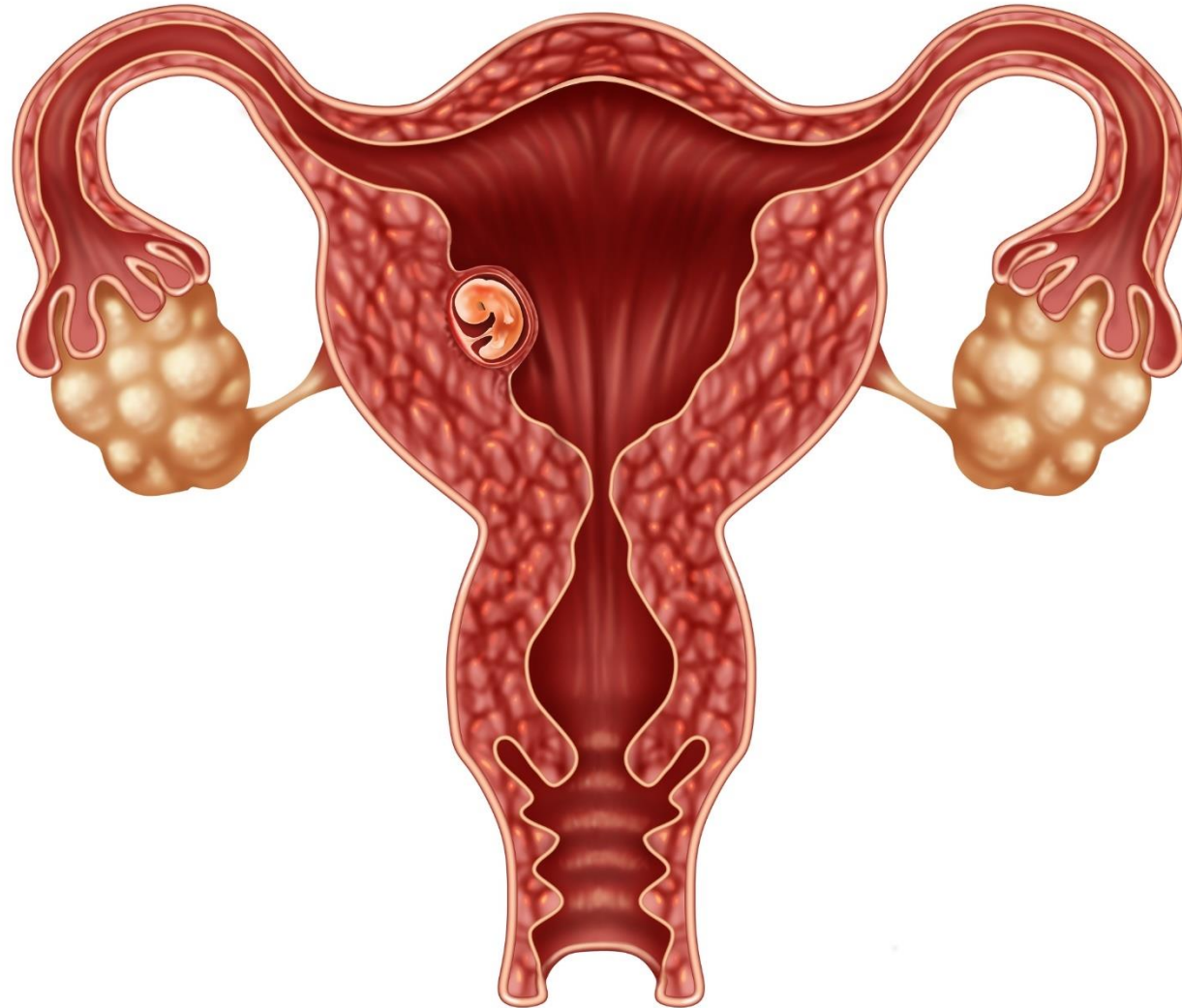
# 10

- a) Draw a line to indicate the midline of the uterus
- b) Draw a line to indicate the short axis of the fundus
- c) Draw a line to indicate the short axis at the cervix
- d) Draw a line to indicate the long axis and short axis of the RT Ovary
- e) Draw a line to indicate the long axis and short axis of the LT ovary



# 11

- a) Draw a long axis slice of the uterine midline
- b) Draw a long axis slice of the GS
- c) Draw a short axis slice of the GS
- d) What probe moves will be required to go from the midline uterus image to a longitudinal view of the gestational sac?



# 12

- a) Draw a line to indicate the long axis of the baby for a CRL measurement
- b) Draw a line to indicate the short axis of the baby at the abdomen
- c) What probe move will take you from a to b





# 13

- a) Draw a line to mark the long axis of baby at CRL
- b) Draw a line to mark short axis of abdomen
- c) Draw a line to indicate short axis of the head
- d) What probe move will take you from short axis abdomen to short axis head

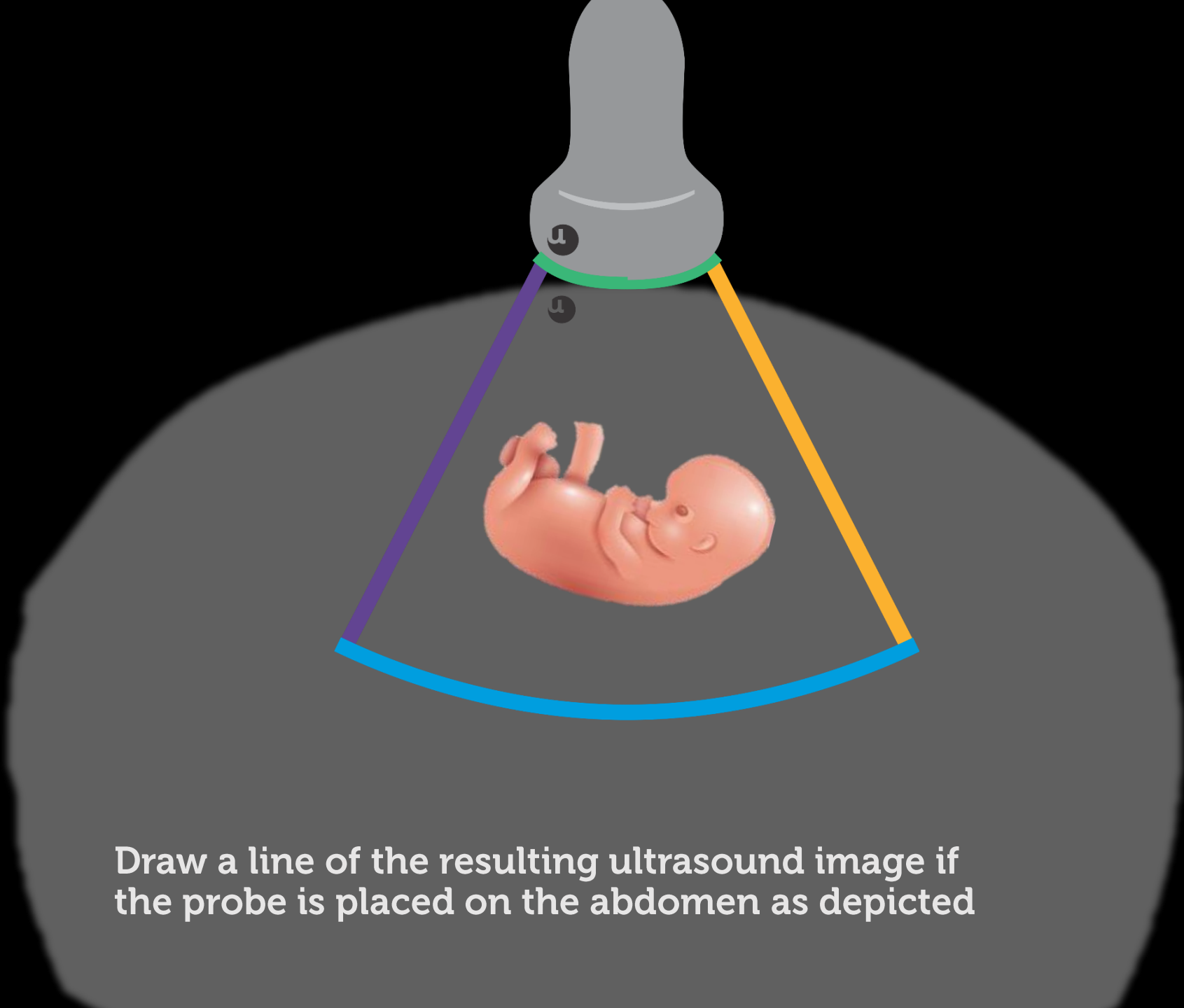


# 14

- a) Draw a line to mark the long axis of baby at CRL
- b) Draw a line to mark short axis of abdomen

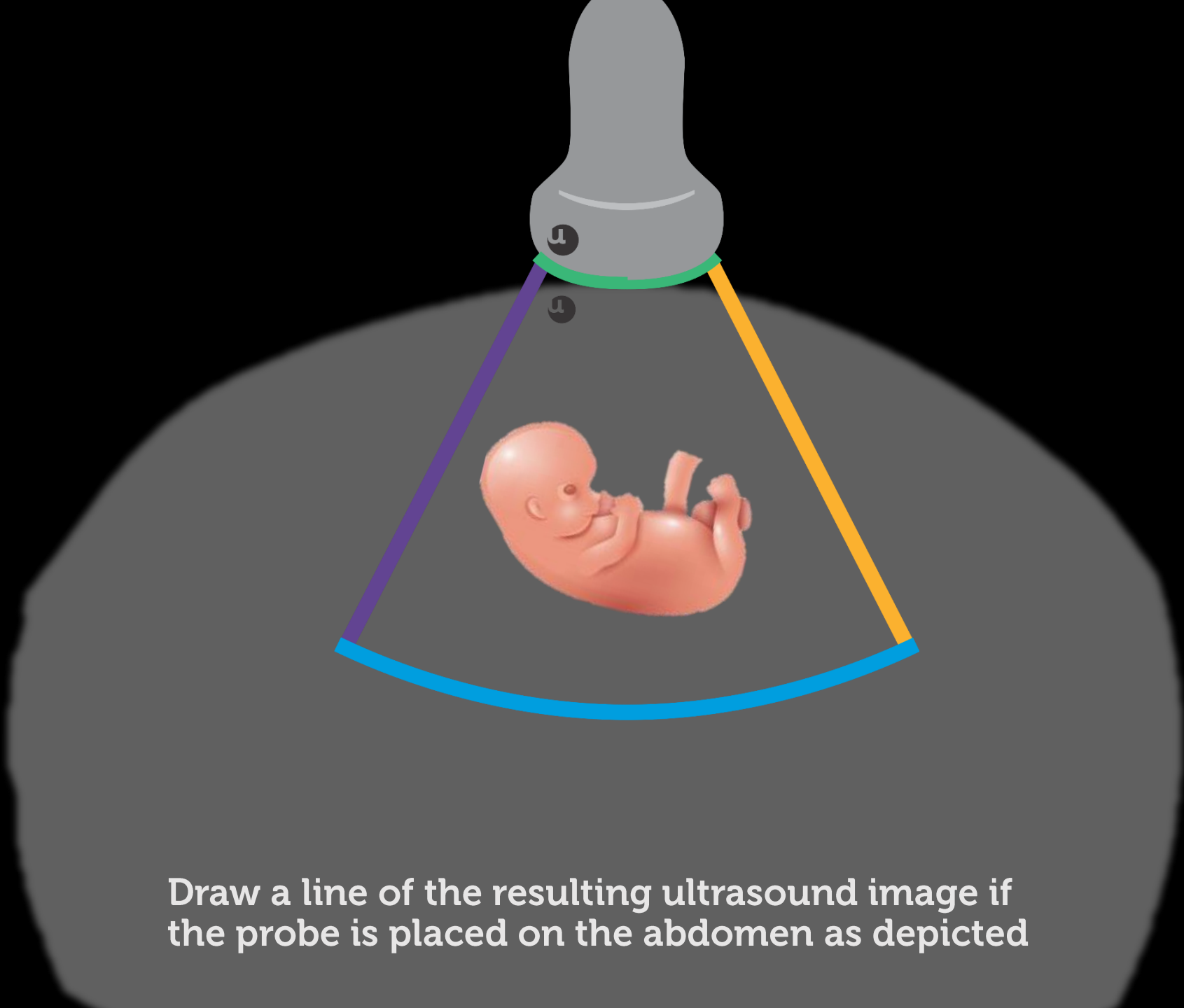


# 15



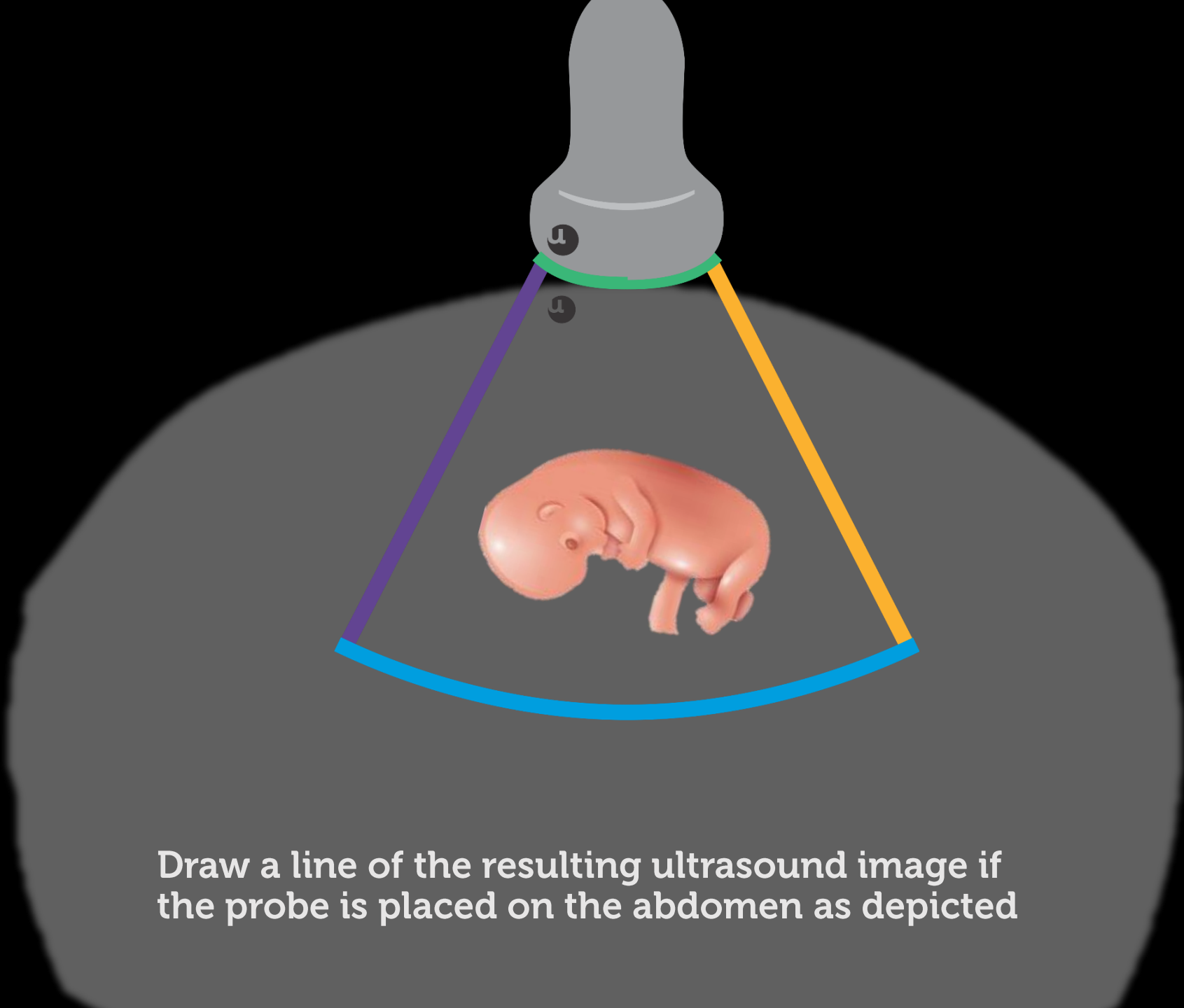
Draw a line of the resulting ultrasound image if the probe is placed on the abdomen as depicted

# 16



Draw a line of the resulting ultrasound image if the probe is placed on the abdomen as depicted

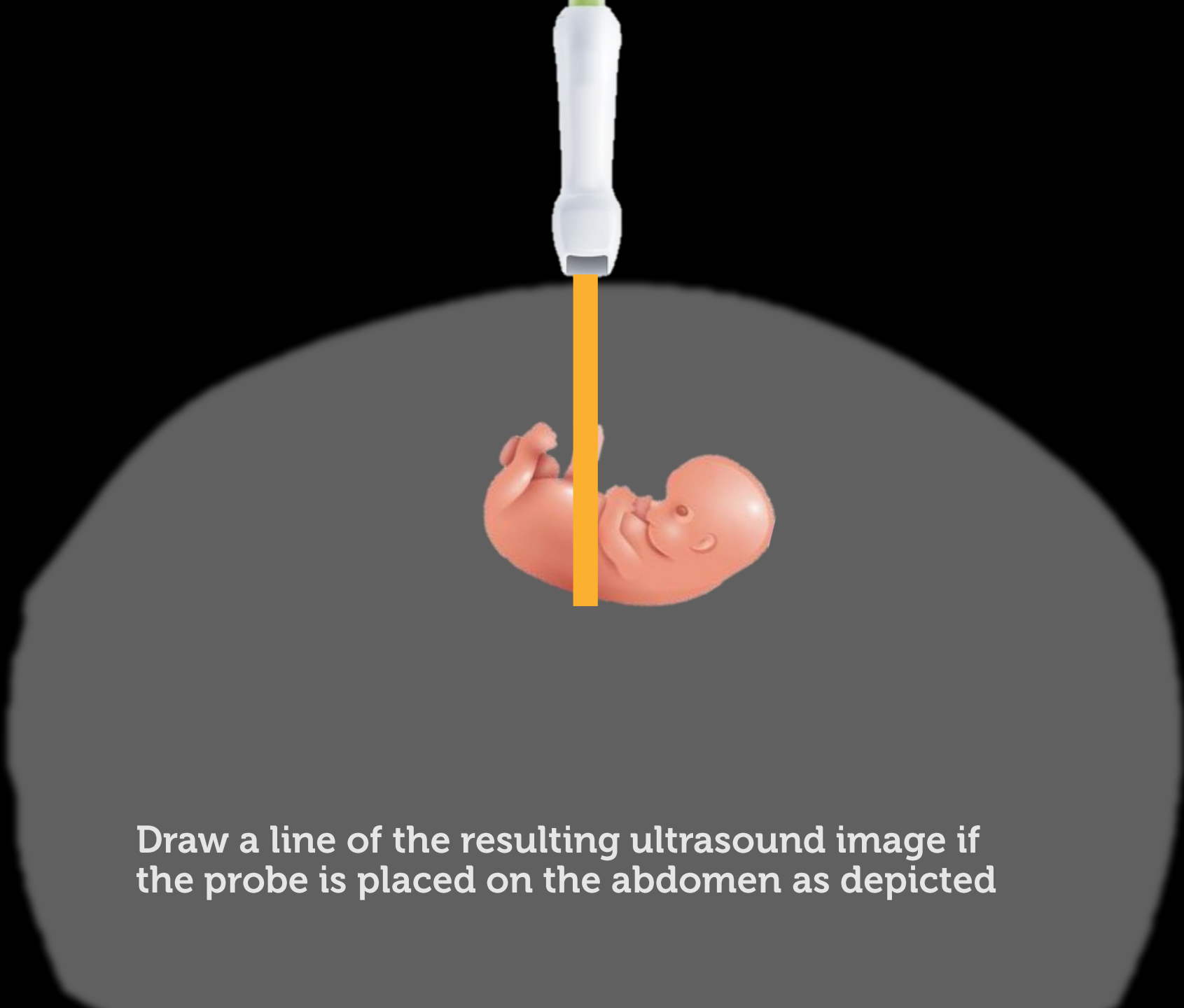
17



Draw a line of the resulting ultrasound image if the probe is placed on the abdomen as depicted

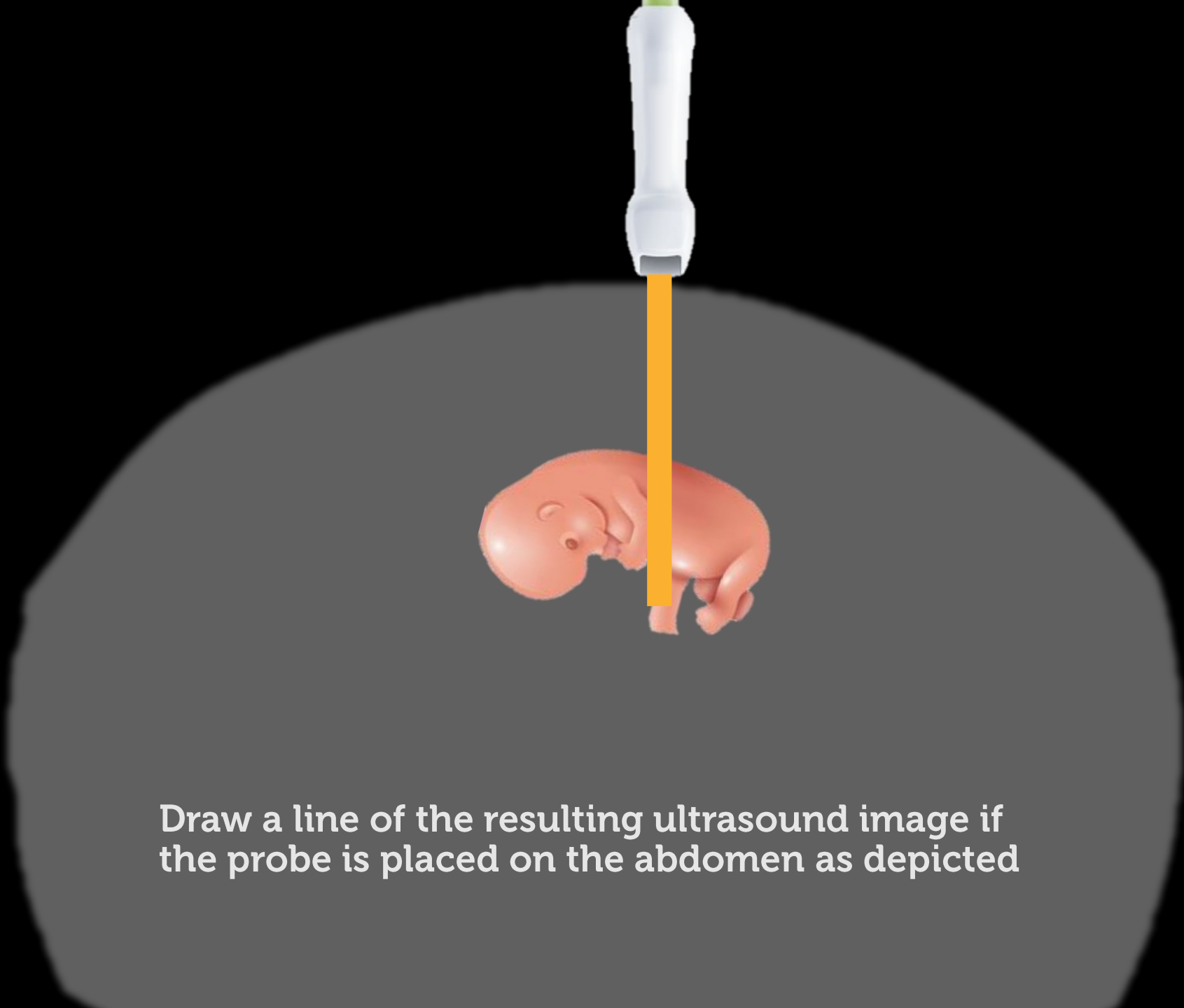


# 18



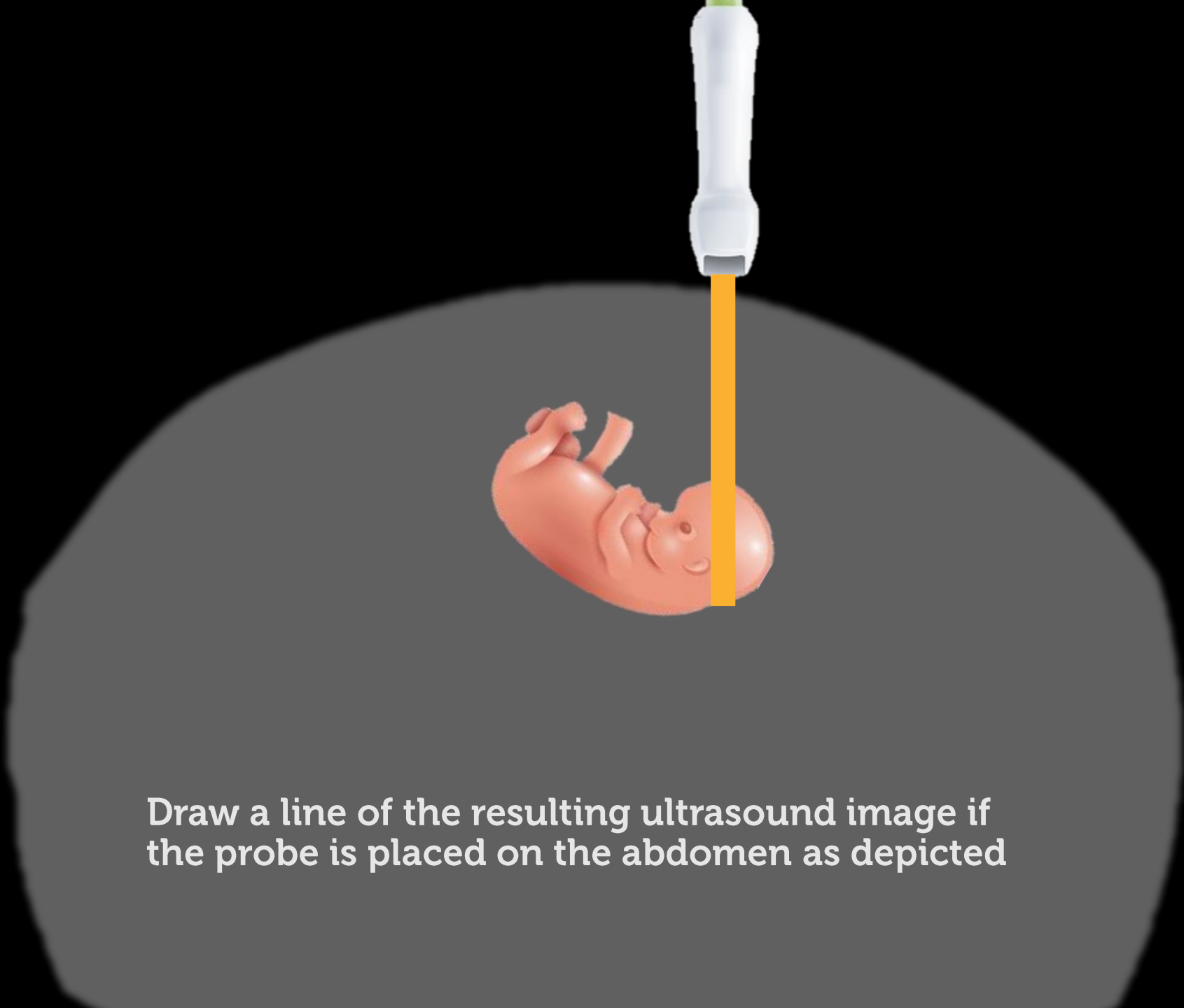
Draw a line of the resulting ultrasound image if the probe is placed on the abdomen as depicted

# 19



Draw a line of the resulting ultrasound image if the probe is placed on the abdomen as depicted

20



Draw a line of the resulting ultrasound image if the probe is placed on the abdomen as depicted

# 21

If you are positioned as indicated on the image below, what probe moves are required to achieve a long axis view of the baby in the coronal plane?



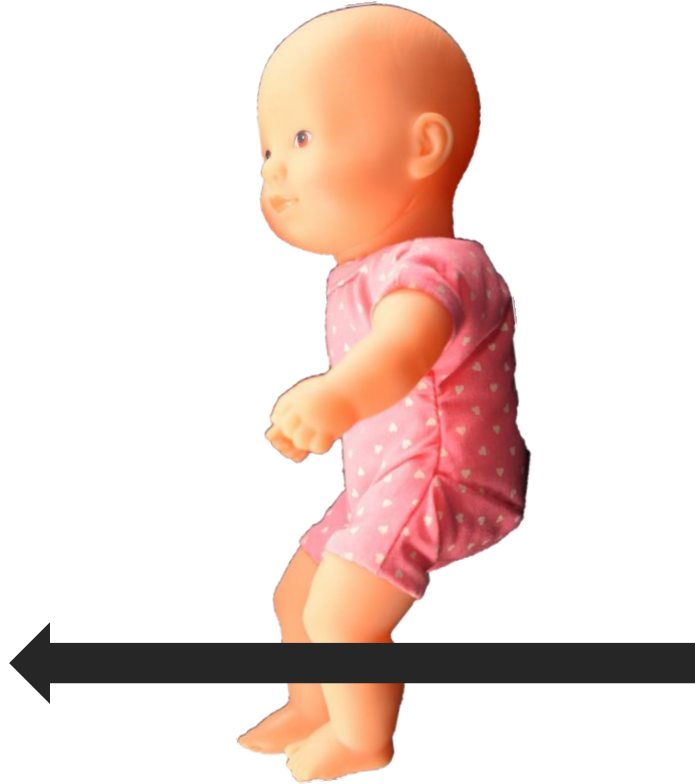
- a) If you starting scanning in the midline in long indicated – what probe move is needed to achieve a long axis in coronal plane view of the baby?
- b) How will you move the probe to get a CRL?



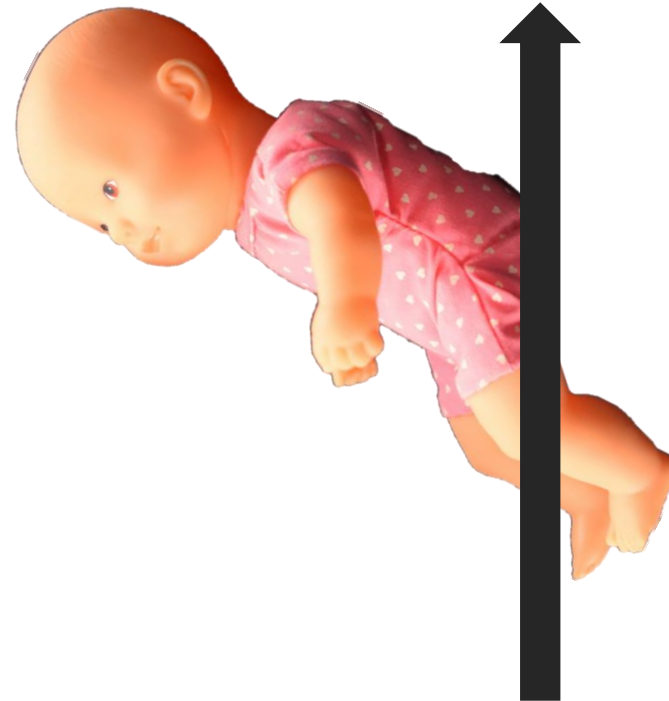


# 23

- a) How will you move the probe to measure the heart beat?
- b) How will you move the probe to measure the CRL?



- a) How will you move the probe to measure the heart beat?
- b) How will you move the probe to measure the CRL?



# 25

What probe move is required to achieve the sagittal view for measuring CRL?

