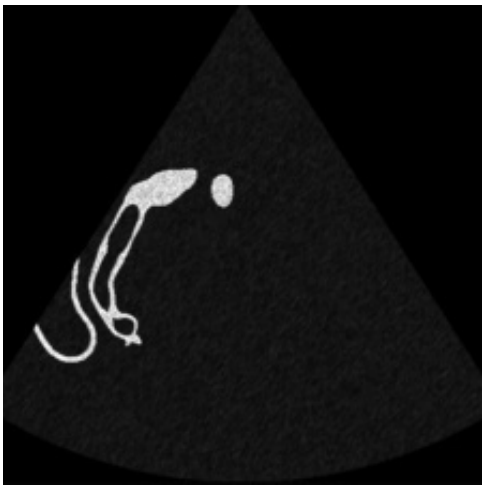


Example 1



Prompt:

You will be shown a freeze-frame from a point-of-care ultrasound scan. Return a JSON blob giving the **probe transform** that produces an optimal parasternal long-axis (PLAX) view.

Respond **exactly** like this:

```
<reasoning>
(one short sentence - feel free to mention slide / roll / fan / rotate
 / tilt)
</reasoning>
<answer>
{"position":{"x":XX,"y":YY,"z":ZZ},"rotation":{"x":RX,"y":RY,"z":RZ}}
</answer>
```

Do not put any other text after </answer>.

Ground Truth Answer: {"position":{"x":-0.048463307321071628,"y":-0.02537141740322113,"z":-0.00011014938354492188},"rotation":{"x":31.0,"y":15.0,"z":26.0}}

Completion -1.0

Full Model Output:

```
<reasoning>
Fan the probe slightly and rotate it counterclockwise.
</reasoning>
<answer>
{"position":{"x":-20,"y":0,"z":0},"rotation":{"x":0,"y":-30,"z":0}}
</answer>
```

Extracted Reasoning:

Fan the probe slightly and rotate it counterclockwise.

Extracted Answer:

{"position":{"x":-20,"y":0,"z":0},"rotation":{"x":0,"y":-30,"z":0}}

Metric	Value
numeric	-3.0000

keywords	0.5000
xml	0.5000

Completion -1.0

Full Model Output:

```
<reasoning>
Slide and tilt to align the probe with the interventricular septum.
</reasoning>
<answer>
{"position":{"x":0,"y":100,"z":200},"rotation":{"x":0.3,"y":-0.9,"z":0.05}}
</answer>
```

Extracted Reasoning:

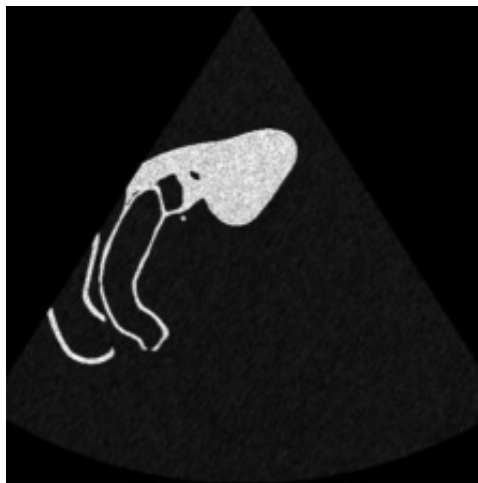
Slide and tilt to align the probe with the interventricular septum.

Extracted Answer:

```
{"position":{"x":0,"y":100,"z":200},"rotation":{"x":0.3,"y":-0.9,"z":0.05}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Example 2



Prompt:

You will be shown a freeze-frame from a point-of-care ultrasound scan. Return a JSON blob giving the **probe transform** that produces an optimal parasternal long-axis (PLAX) view.

Respond **exactly** like this:

```
<reasoning>
(one short sentence - feel free to mention slide / roll / fan / rotate
/ tilt)
</reasoning>
<answer>
{"position":{"x":XX,"y":YY,"z":ZZ},"rotation":{"x":RX,"y":RY,"z":RZ}}
</answer>
```

Do not put any other text after </answer>.

Ground Truth Answer: {"position":{"x":-0.04956212267279625,"y":-0.022336378693580629,"z":-0.0012343227863311768},"rotation":{"x":30.0,"y":14.0,"z":25.0}}

Completion -1.0

Full Model Output:

```
<reasoning>
Slide the probe down and rotate it slightly forward.
</reasoning>
<answer>
{"position":{"x":-10,"y":0,"z":0},"rotation":{"x":20,"y":30,"z":0}}
</answer>
```

Extracted Reasoning:

Slide the probe down and rotate it slightly forward.

Extracted Answer:

```
{"position":{"x":-10,"y":0,"z":0},"rotation":{"x":20,"y":30,"z":0}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Completion -1.0

Full Model Output:

```
<reasoning>
Slide the probe to the left and tilt down slightly to capture the PLAX
view.
</reasoning>
<answer>
{"position":{"x":-50,"y":-10,"z":-20},"rotation":{"x":0,"y":-5,"z":0}}
</answer>
```

Extracted Reasoning:

Slide the probe to the left and tilt down slightly to capture the PLAX view.

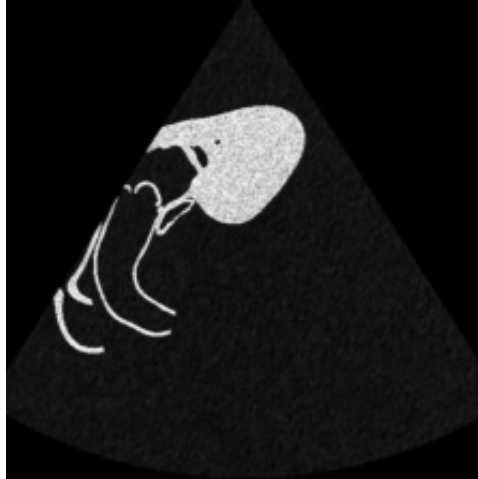
Extracted Answer:

```
{"position":{"x":-50,"y":-10,"z":-20},"rotation":{"x":0,"y":-5,"z":0}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000

xml	0.5000
-----	--------

Example 3



Prompt:

You will be shown a freeze-frame from a point-of-care ultrasound scan. Return a JSON blob giving the **probe transform** that produces an optimal parasternal long-axis (PLAX) view.

Respond **exactly** like this:

```
<reasoning>
(one short sentence - feel free to mention slide / roll / fan / rotate
 / tilt)
</reasoning>
<answer>
{"position":{"x":XX,"y":YY,"z":ZZ},"rotation":{"x":RX,"y":RY,"z":RZ}}
</answer>
```

Do not put any other text after </answer>.

Ground Truth Answer: {"position":{"x":-0.052875980734825137,"y":-0.02035290002822876,"z":-0.0035239458084106447},"rotation":{"x":29.0,"y":14.0,"z":23.0}}

Completion -1.0

Full Model Output:

```
<reasoning>
Slide the probe to the right and tilt upwards.
</reasoning>
<answer>
{"position":{"x":25,"y":35,"z":15},"rotation":{"x":0,"y":50,"z":0}}
</answer>
```

Extracted Reasoning:

Slide the probe to the right and tilt upwards.

Extracted Answer:

```
{"position":{"x":25,"y":35,"z":15},"rotation":{"x":0,"y":50,"z":0}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Completion -1.0

Full Model Output:

```
<reasoning>
Slide to the right and tilt the probe forward.
</reasoning>
<answer>
{"position":{"x":-0.2,"y":0.5,"z":0.1},"rotation":{"x":0,"y":0,"z":5}}
</answer>
```

Extracted Reasoning:

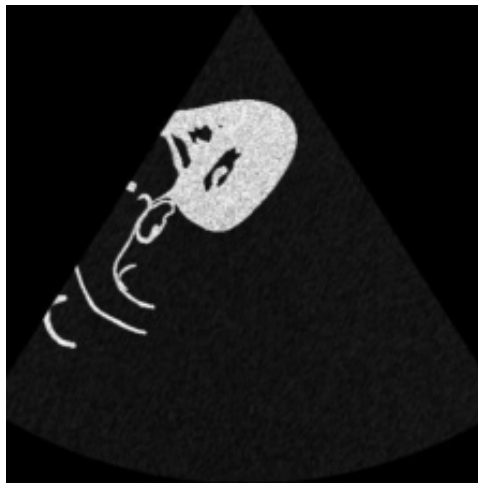
Slide to the right and tilt the probe forward.

Extracted Answer:

```
{"position":{"x":-0.2,"y":0.5,"z":0.1},"rotation":{"x":0,"y":0,"z":5}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Example 4



Prompt:

You will be shown a freeze-frame from a point-of-care ultrasound scan. Return a JSON blob giving the **probe transform** that produces an optimal parasternal long-axis (PLAX) view.

Respond ****exactly**** like this:

```
<reasoning>
(one short sentence - feel free to mention slide / roll / fan / rotate
 / tilt)
</reasoning>
<answer>
{"position":{"x":XX,"y":YY,"z":ZZ},"rotation":{"x":RX,"y":RY,"z":RZ}}
</answer>
```

Do not put any other text after </answer>.

Ground Truth Answer: {"position":{"x":-0.05197792872786522,"y":-0.02014879882335663,"z":-0.0035193562507629396},"rotation":{"x":30.0,"y":12.0,"z":23.0}}

Completion -1.0

Full Model Output:

```
<reasoning>
(fan out the image and rotate slightly to the left)
</reasoning>
<answer>
{"position":{"x":0,"y":0,"z":0},"rotation":{"x":0,"y":-10,"z":0}}
</answer>
```

Extracted Reasoning:

(fan out the image and rotate slightly to the left)

Extracted Answer:

```
{"position":{"x":0,"y":0,"z":0},"rotation":{"x":0,"y":-10,"z":0}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Completion -1.0

Full Model Output:

```
<reasoning>
Slide the probe left and tilt slightly upward.
</reasoning>
<answer>
{"position":{"x":-50,"y":0,"z":0},"rotation":{"x":0,"y":0,"z":0}}
</answer>
```

Extracted Reasoning:

Slide the probe left and tilt slightly upward.

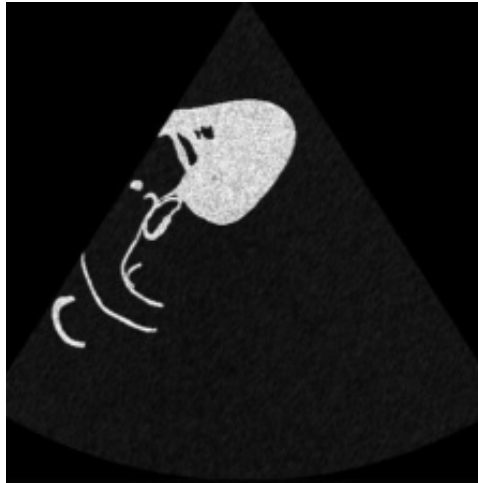
Extracted Answer:

```
{"position":{"x":-50,"y":0,"z":0},"rotation":{"x":0,"y":0,"z":0}}
```

Metric	Value
numeric	-3.0000

keywords	0.5000
xml	0.5000

Example 5



Prompt:

You will be shown a freeze-frame from a point-of-care ultrasound scan. Return a JSON blob giving the **probe transform** that produces an optimal parasternal long-axis (PLAX) view.

Respond **exactly** like this:

```
<reasoning>
(one short sentence - feel free to mention slide / roll / fan / rotate
/ tilt)
</reasoning>
<answer>
{"position":{"x":XX,"y":YY,"z":ZZ},"rotation":{"x":RX,"y":RY,"z":RZ}}
</answer>
```

Do not put any other text after </answer>.

Ground Truth Answer: {"position":{"x":-0.05263088643550873,"y":-0.021262675523757936,"z":-0.00336572527885437},"rotation":{"x":30.0,"y":13.0,"z":23.0}}

Completion -1.0

Full Model Output:

```
<reasoning>
Slide the probe right and tilt it slightly down.
</reasoning>
<answer>
{"position":{"x":10,"y":-5,"z":0},"rotation":{"x":0,"y":-5,"z":0}}
</answer>
```

Extracted Reasoning:

Slide the probe right and tilt it slightly down.

Extracted Answer:

```
{"position":{"x":10,"y":-5,"z":0},"rotation":{"x":0,"y":-5,"z":0}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Completion -1.0

Full Model Output:

```
<reasoning>
Slide the probe slightly to the right and rotate slightly
counterclockwise to align with the left ventricle long axis.
</reasoning>
<answer>
{"position":{"x":-10,"y":0,"z":0},"rotation":{"x":0,"y":-10,"z":0}}
</answer>
```

Extracted Reasoning:

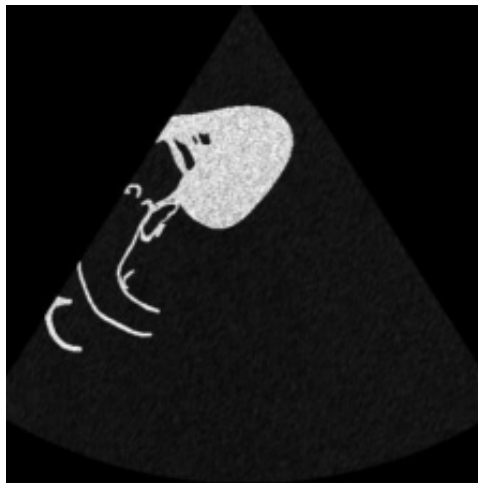
Slide the probe slightly to the right and rotate slightly
counterclockwise to align with the left ventricle long axis.

Extracted Answer:

```
{"position":{"x":-10,"y":0,"z":0},"rotation":{"x":0,"y":-10,"z":0}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Example 6



Prompt:

You will be shown a freeze-frame from a point-of-care ultrasound scan. Return a JSON blob giving the **probe transform** that produces an optimal parasternal long-axis (PLAX) view.

Respond **exactly** like this:

```
<reasoning>
(one short sentence - feel free to mention slide / roll / fan / rotate
/ tilt)
</reasoning>
<answer>
{"position":{"x":XX,"y":YY,"z":ZZ},"rotation":{"x":RX,"y":RY,"z":RZ}}
</answer>
```

Do not put any other text after </answer>.

Ground Truth Answer: {"position":{"x":-0.05299539864063263,"y":-0.02299174666404724,"z":-0.0028792917728424074},"rotation":{"x":31.0,"y":12.0,"z":23.0}}

Completion -1.0

Full Model Output:

```
<reasoning>
Slide and tilt the probe slightly upward to capture the PLAX view.
</reasoning>
<answer>
{"position":{"x":10,"y":-5,"z":0},"rotation":{"x":0,"y":0.15,"z":0}}
</answer>
```

Extracted Reasoning:

Slide and tilt the probe slightly upward to capture the PLAX view.

Extracted Answer:

```
{"position":{"x":10,"y":-5,"z":0},"rotation":{"x":0,"y":0.15,"z":0}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Completion -1.0

Full Model Output:

```
<reasoning>
Slide probe to the right and tilt down; then, rotate the probe
clockwise slightly.
</reasoning>
<answer>
{"position":{"x":0.3,"y":0.2,"z":0.4},"rotation":{"x":0.1,"y":-0.2,"z":0.3}}
</answer>
```

Extracted Reasoning:

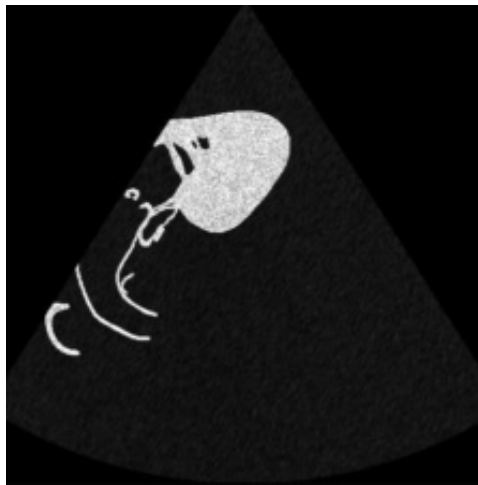
Slide probe to the right and tilt down; then, rotate the probe clockwise slightly.

Extracted Answer:

```
{"position":{"x":0.3,"y":0.2,"z":0.4},"rotation":{"x":0.1,"y":-0.2,"z":0.3}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Example 7



Prompt:

You will be shown a freeze-frame from a point-of-care ultrasound scan. Return a JSON blob giving the **probe transform** that produces an optimal parasternal long-axis (PLAX) view.

Respond **exactly** like this:

```
<reasoning>
(one short sentence - feel free to mention slide / roll / fan / rotate
/ tilt)
</reasoning>
<answer>
{"position":{"x":XX,"y":YY,"z":ZZ},"rotation":{"x":RX,"y":RY,"z":RZ}}
</answer>
```

Do not put any other text after </answer>.

Ground Truth Answer: {"position":{"x":-0.05298867076635361,"y":-0.024206414818763734,"z":-0.0027830302715301515},"rotation":{"x":31.0,"y":12.0,"z":22.0}}

Completion -1.0

Full Model Output:

```
<reasoning>
Slide left and tilt probe forward for optimal PLAX view.
</reasoning>
<answer>
```

```
{"position":{"x":-20,"y":0,"z":0},"rotation":{"x":20,"y":0,"z":-45}}
</answer>
```

Extracted Reasoning:

Slide left and tilt probe forward for optimal PLAX view.

Extracted Answer:

```
{"position":{"x":-20,"y":0,"z":0},"rotation":{"x":20,"y":0,"z":-45}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Completion -1.0**Full Model Output:**

```
<reasoning>
rotate the probe slightly counterclockwise and tilt it slightly
upwards.
</reasoning>
<answer>
{"position":{"x":0,"y":0,"z":0},"rotation":{"x":0,"y":-20,"z":0}}
</answer>
```

Extracted Reasoning:

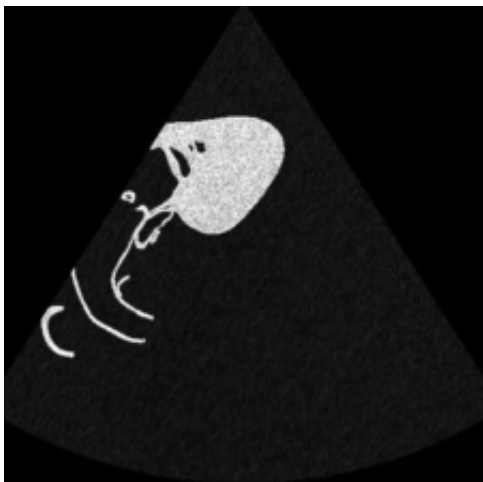
rotate the probe slightly counterclockwise and tilt it slightly upwards.

Extracted Answer:

```
{"position":{"x":0,"y":0,"z":0},"rotation":{"x":0,"y":-20,"z":0}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Example 8



Prompt:

You will be shown a freeze-frame from a point-of-care ultrasound scan. Return a JSON blob giving the **probe transform** that produces an optimal parasternal long-axis (PLAX) view.

Respond **exactly** like this:

```
<reasoning>
(one short sentence - feel free to mention slide / roll / fan / rotate
 / tilt)
</reasoning>
<answer>
{"position":{"x":XX,"y":YY,"z":ZZ},"rotation":{"x":RX,"y":RY,"z":RZ}}
</answer>
```

Do not put any other text after </answer>.

Ground Truth Answer: {"position":{"x":-0.05240284278988838,"y":-0.024828225374221803,"z":-0.0022019147872924806},"rotation":{"x":31.0,"y":10.0,"z":21.0}}

Completion -1.0

Full Model Output:

```
<reasoning>
Fan the probe more towards the left to optimize the PLAX view.
</reasoning>
<answer>
{"position":{"x":-10,"y":-50,"z":-150},"rotation":{"x":-20,"y":0,"z":10}}
</answer>
```

Extracted Reasoning:

Fan the probe more towards the left to optimize the PLAX view.

Extracted Answer:

```
{"position":{"x":-10,"y":-50,"z":-150},"rotation":{"x":-20,"y":0,"z":10}}
```

Metric	Value
numeric	-3.0000

keywords	0.5000
xml	0.5000

Completion -1.0

Full Model Output:

```
<reasoning>
Slide the probe slightly left and rotate it clockwise to achieve a
clear PLAX view.
</reasoning>
<answer>
{"position":{"x":-20,"y":0,"z":0},"rotation":{"x":0,"y":50,"z":0}}
</answer>
```

Extracted Reasoning:

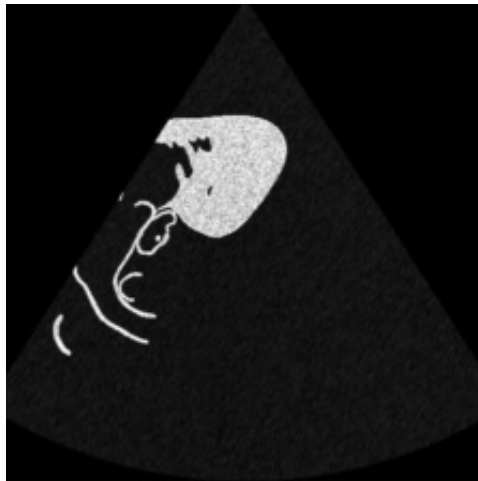
Slide the probe slightly left and rotate it clockwise to achieve a clear PLAX view.

Extracted Answer:

```
{"position":{"x":-20,"y":0,"z":0},"rotation":{"x":0,"y":50,"z":0}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Example 9



Prompt:

You will be shown a freeze-frame from a point-of-care ultrasound scan. Return a JSON blob giving the **probe transform** that produces an optimal parasternal long-axis (PLAX) view.

Respond **exactly** like this:

```
<reasoning>
(one short sentence - feel free to mention slide / roll / fan / rotate
/ tilt)
</reasoning>
<answer>
{"position":{"x":XX,"y":YY,"z":ZZ},"rotation":{"x":RX,"y":RY,"z":RZ}}
</answer>
```

Do not put any other text after </answer>.

Ground Truth Answer: {"position":{"x":-0.05233291536569595,"y":-0.025199010968208314,"z":-0.002280116081237793},"rotation":{"x":32.0,"y":9.0,"z":21.0}}

Completion -1.0

Full Model Output:

```
<reasoning>
Slide the probe slightly to the right and tilt it slightly downward.
</reasoning>
<answer>
{"position":{"x":0.1,"y":0.2,"z":0.1},"rotation":{"x":0.0,"y":0.15,"z":0.0}}
</answer>
```

Extracted Reasoning:

Slide the probe slightly to the right and tilt it slightly downward.

Extracted Answer:

```
{"position":{"x":0.1,"y":0.2,"z":0.1},"rotation":{"x":0.0,"y":0.15,"z":0.0}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Completion -1.0

Full Model Output:

```
<reasoning>
slide the probe left, tilt the probe superior and rotate the probe 60
degrees counterclockwise.
</reasoning>
<answer>
{"position":{"x":-14.5,"y":0,"z":0},"rotation":{"x":0,"y":145,"z":30}}
</answer>
```

Extracted Reasoning:

slide the probe left, tilt the probe superior and rotate the probe 60 degrees counterclockwise.

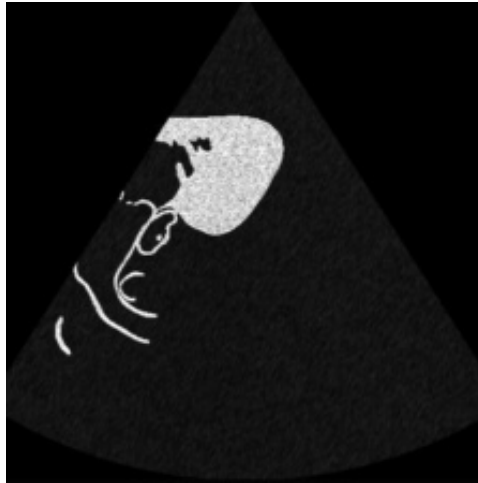
Extracted Answer:

```
{"position":{"x":-14.5,"y":0,"z":0},"rotation":{"x":0,"y":145,"z":30}}
```

Metric	Value
numeric	-3.0000

keywords	0.5000
xml	0.5000

Example 10



Prompt:

You will be shown a freeze-frame from a point-of-care ultrasound scan. Return a JSON blob giving the **probe transform** that produces an optimal parasternal long-axis (PLAX) view.

Respond **exactly** like this:

```
<reasoning>
(one short sentence - feel free to mention slide / roll / fan / rotate
/ tilt)
</reasoning>
<answer>
{"position":{"x":XX,"y":YY,"z":ZZ},"rotation":{"x":RX,"y":RY,"z":RZ}}
</answer>
```

Do not put any other text after </answer>.

Ground Truth Answer: {"position":{"x":-0.052994757890701297,"y":-0.023809358477592469,"z":0.0008187592029571533},"rotation":{"x":31.0,"y":5.0,"z":21.0}}

Completion -1.0

Full Model Output:

```
<reasoning>
Slide the probe down and tilt it slightly to the right.
</reasoning>
<answer>
{"position":{"x":0,"y":-10,"z":0},"rotation":{"x":0,"y":45,"z":0}}
</answer>
```

Extracted Reasoning:

Slide the probe down and tilt it slightly to the right.

Extracted Answer:

```
{"position":{"x":0,"y":-10,"z":0},"rotation":{"x":0,"y":45,"z":0}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Completion -1.0

Full Model Output:

```
<reasoning>
Slide the probe inferiorly and rotate 90 degrees clockwise.
</reasoning>
<answer>
{"position":{"x":200,"y":150,"z":0},"rotation":{"x":0,"y":90,"z":0}}
</answer>
```

Extracted Reasoning:

Slide the probe inferiorly and rotate 90 degrees clockwise.

Extracted Answer:

```
{"position":{"x":200,"y":150,"z":0},"rotation":{"x":0,"y":90,"z":0}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Example 11



Prompt:

You will be shown a freeze-frame from a point-of-care ultrasound scan. Return a JSON blob giving the **probe transform** that produces an

optimal
parasternal long-axis (PLAX) view.

Respond **exactly** like this:

```
<reasoning>
(one short sentence - feel free to mention slide / roll / fan / rotate
/ tilt)
</reasoning>
<answer>
{"position":{"x":XX,"y":YY,"z":ZZ},"rotation":{"x":RX,"y":RY,"z":RZ}}
</answer>
```

Do not put any other text after </answer>.

Ground Truth Answer: {"position":{"x":-0.05261314660310745,"y":-0.024336546659469606,"z":0.0027676820755004884},"rotation":{"x":33.0,"y":1.0,"z":22.0}}

Completion -1.0

Full Model Output:

```
<reasoning>
Slide the probe slightly further into the patient's left side.
</reasoning>
<answer>
{"position":{"x":10,"y":-15,"z":0},"rotation":{"x":0,"y":-45,"z":0}}
</answer>
```

Extracted Reasoning:

Slide the probe slightly further into the patient's left side.

Extracted Answer:

```
{"position":{"x":10,"y":-15,"z":0},"rotation":{"x":0,"y":-45,"z":0}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Completion -1.0

Full Model Output:

```
<reasoning>
Slide/roll the probe slightly left to center the left ventricle.
</reasoning>
<answer>
{"position":{"x":0,"y":-1,"z":0},"rotation":{"x":0,"y":0,"z":0}}
</answer>
```

Extracted Reasoning:

Slide/roll the probe slightly left to center the left ventricle.

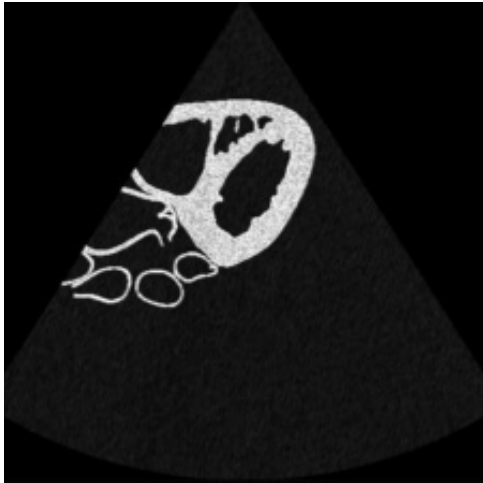
Extracted Answer:

```
{"position":{"x":0,"y":-1,"z":0},"rotation":{"x":0,"y":0,"z":0}}
```

Metric	Value
numeric	-3.0000

keywords	0.5000
xml	0.5000

Example 12



Prompt:

You will be shown a freeze-frame from a point-of-care ultrasound scan. Return a JSON blob giving the **probe transform** that produces an optimal parasternal long-axis (PLAX) view.

Respond **exactly** like this:

```
<reasoning>
(one short sentence - feel free to mention slide / roll / fan / rotate
/ tilt)
</reasoning>
<answer>
{"position":{"x":XX,"y":YY,"z":ZZ},"rotation":{"x":RX,"y":RY,"z":RZ}}
</answer>
```

Do not put any other text after </answer>.

Ground Truth Answer: {"position":{"x":-0.06086133420467377,"y":-0.02439582347869873,"z":0.006329208612442017},"rotation":{"x":30.0,"y":-6.0,"z":17.0}}

Completion -1.0

Full Model Output:

```
<reasoning>
Slide further right and rotate 180 degrees.
</reasoning>
<answer>
{"position":{"x":10,"y":0,"z":0},"rotation":{"x":0,"y":180,"z":0}}
</answer>
```

Extracted Reasoning:

Slide further right and rotate 180 degrees.

Extracted Answer:

```
{"position":{"x":10,"y":0,"z":0},"rotation":{"x":0,"y":180,"z":0}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Completion -1.0

Full Model Output:

```
<reasoning>
Slide probe left and tilt downward.
</reasoning>
<answer>
{"position":{"x":-15,"y":0,"z":0},"rotation":{"x":0,"y":0,"z":-90}}
</answer>
```

Extracted Reasoning:

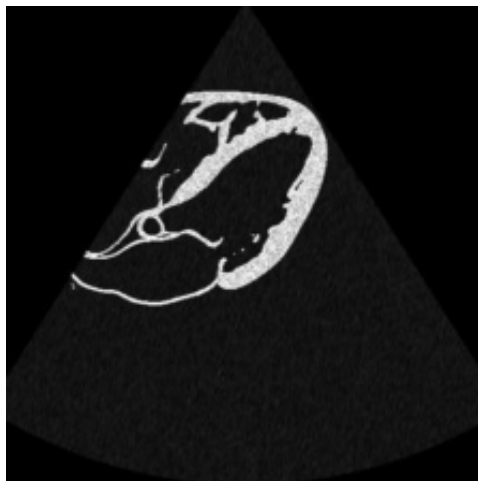
Slide probe left and tilt downward.

Extracted Answer:

```
{"position":{"x":-15,"y":0,"z":0},"rotation":{"x":0,"y":0,"z":-90}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Example 13



Prompt:

You will be shown a freeze-frame from a point-of-care ultrasound scan. Return a JSON blob giving the **probe transform** that produces an

optimal
parasternal long-axis (PLAX) view.

Respond ****exactly**** like this:

```
<reasoning>
(one short sentence - feel free to mention slide / roll / fan / rotate
/ tilt)
</reasoning>
<answer>
{"position":{"x":XX,"y":YY,"z":ZZ},"rotation":{"x":RX,"y":RY,"z":RZ}}
</answer>
```

Do not put any other text after </answer>.

Ground Truth Answer: {"position":{"x":-0.05959923937916756,"y":-0.026618927717208864,"z":0.0015810728073120118},"rotation":{"x":33.0,"y":-5.0,"z":16.0}}

Completion -1.0

Full Model Output:

```
<reasoning>
Rotate 110° around the y-axis and adjust the probe slightly to the
right.
</reasoning>
<answer>
{"position":{"x":-0.1,"y":0.05,"z":0.03},"rotation":{"x":0.0,"y":0.188
496,"z":0.0}}
</answer>
```

Extracted Reasoning:

Rotate 110° around the y-axis and adjust the probe slightly to the right.

Extracted Answer:

```
{"position":{"x":-0.1,"y":0.05,"z":0.03},"rotation":{"x":0.0,"y":0.188
496,"z":0.0}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Completion -1.0

Full Model Output:

```
<reasoning>
Roll the probe slightly to the left and tilt it downward to visualize
the left ventricle.
</reasoning>
<answer>
{"position":{"x":0,"y":0,"z":0},"rotation":{"x":0,"y":-10,"z":0}}
</answer>
```

Extracted Reasoning:

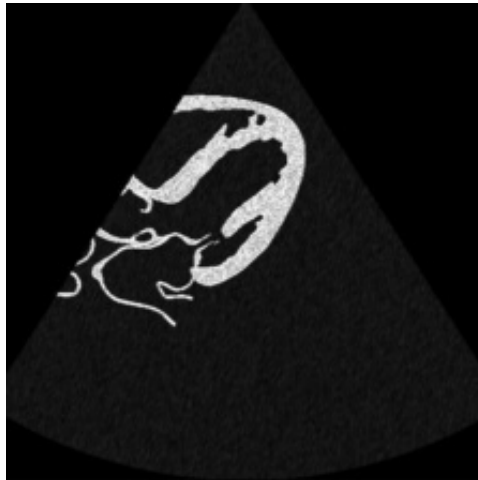
Roll the probe slightly to the left and tilt it downward to visualize the left ventricle.

Extracted Answer:

```
{"position":{"x":0,"y":0,"z":0},"rotation":{"x":0,"y":-10,"z":0}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Example 14



Prompt:

You will be shown a freeze-frame from a point-of-care ultrasound scan. Return a JSON blob giving the **probe transform** that produces an optimal parasternal long-axis (PLAX) view.

Respond **exactly** like this:

```
<reasoning>
(one short sentence - feel free to mention slide / roll / fan / rotate
/ tilt)
</reasoning>
<answer>
{"position":{"x":XX,"y":YY,"z":ZZ},"rotation":{"x":RX,"y":RY,"z":RZ}}
</answer>
```

Do not put any other text after </answer>.

Ground Truth Answer: {"position":{"x":-0.05505891889333725,"y":-0.02859523892402649,"z":0.0010935962200164796},"rotation":{"x":36.0,"y":-6.0,"z":18.0}}

Completion -1.0

Full Model Output:

```
<reasoning>
Slide the probe more to the left and slightly rotate it forward.
</reasoning>
<answer>
{"position":{"x":-30,"y":0,"z":0},"rotation":{"x":0,"y":45,"z":0}}
</answer>
```

Extracted Reasoning:

Slide the probe more to the left and slightly rotate it forward.

Extracted Answer:

```
{"position":{"x":-30,"y":0,"z":0},"rotation":{"x":0,"y":45,"z":0}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Completion -1.0

Full Model Output:

```
<reasoning>
Tilt the probe slightly to the right and decrease the fan angle.
</reasoning>
<answer>
{"position":{"x":-5,"y":-10,"z":-20},"rotation":{"x":0.2,"y":-0.1,"z":
0.5}}
</answer>
```

Extracted Reasoning:

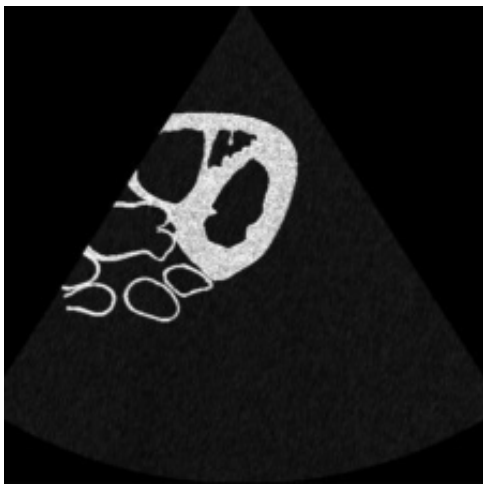
Tilt the probe slightly to the right and decrease the fan angle.

Extracted Answer:

```
{"position":{"x":-5,"y":-10,"z":-20},"rotation":{"x":0.2,"y":-0.1,"z":
0.5}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Example 15



Prompt:

You will be shown a freeze-frame from a point-of-care ultrasound scan. Return a JSON blob giving the **probe transform** that produces an optimal parasternal long-axis (PLAX) view.

Respond **exactly** like this:

```
<reasoning>
(one short sentence - feel free to mention slide / roll / fan / rotate
 / tilt)
</reasoning>
<answer>
{"position":{"x":XX,"y":YY,"z":ZZ},"rotation":{"x":RX,"y":RY,"z":RZ}}
</answer>
```

Do not put any other text after </answer>.

Ground Truth Answer: {"position":{"x":-0.05797026678919792,"y":-0.03002116084098816,"z":-0.0024569332599639894},"rotation":{"x":35.0,"y":-4.0,"z":16.0}}

Completion -1.0

Full Model Output:

```
<reasoning>
Slide the probe upwards and rotate it clockwise to achieve the PLAX
view.
</reasoning>
<answer>
{"position":{"x":0,"y":20,"z":-50},"rotation":{"x":-30,"y":0,"z":0}}
</answer>
```

Extracted Reasoning:

Slide the probe upwards and rotate it clockwise to achieve the PLAX view.

Extracted Answer:

```
{"position":{"x":0,"y":20,"z":-50},"rotation":{"x":-30,"y":0,"z":0}}
```

Metric	Value
numeric	-3.0000

keywords	0.5000
xml	0.5000

Completion -1.0

Full Model Output:

```
<reasoning>
Slide the probe to the right and slightly tilt back.
</reasoning>
<answer>
{"position":{"x":0.5,"y":0.9,"z":0.1},"rotation":{"x":0,"y":0.1,"z":-0.2}}
</answer>
```

Extracted Reasoning:

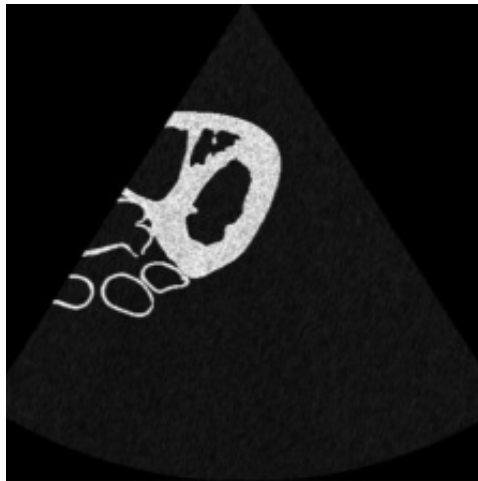
Slide the probe to the right and slightly tilt back.

Extracted Answer:

```
{"position":{"x":0.5,"y":0.9,"z":0.1},"rotation":{"x":0,"y":0.1,"z":-0.2}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Example 16



Prompt:

You will be shown a freeze-frame from a point-of-care ultrasound scan. Return a JSON blob giving the **probe transform** that produces an optimal parasternal long-axis (PLAX) view.

Respond **exactly** like this:


```
<reasoning>
(one short sentence - feel free to mention slide / roll / fan / rotate
/ tilt)
</reasoning>
<answer>
{"position":{"x":XX,"y":YY,"z":ZZ},"rotation":{"x":RX,"y":RY,"z":RZ}}
</answer>
```

Do not put any other text after </answer>.

Ground Truth Answer: {"position":{"x":-0.05490908771753311,"y":-0.0309017151594162,"z":-0.00022047758102416992},"rotation":{"x":36.0,"y":-7.0,"z":16.0}}

Completion -1.0

Full Model Output:

```
<reasoning>
Slide the probe slightly upwards and tilt it back to get a clear
parasternal long-axis view.
</reasoning>
<answer>
{"position":{"x":20,"y":80,"z":70},"rotation":{"x":20,"y":10,"z":15}}
</answer>
```

Extracted Reasoning:

Slide the probe slightly upwards and tilt it back to get a clear parasternal long-axis view.

Extracted Answer:

```
{"position":{"x":20,"y":80,"z":70},"rotation":{"x":20,"y":10,"z":15}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Completion -1.0

Full Model Output:

```
<reasoning>
Slide towards the left and slightly forward, then rotate the probe to
the left about 45 degrees.
</reasoning>
<answer>
{"position":{"x":-0.2,"y":0.3,"z":0.1},"rotation":{"x":-0.45,"y":0,"z":0}}
</answer>
```

Extracted Reasoning:

Slide towards the left and slightly forward, then rotate the probe to the left about 45 degrees.

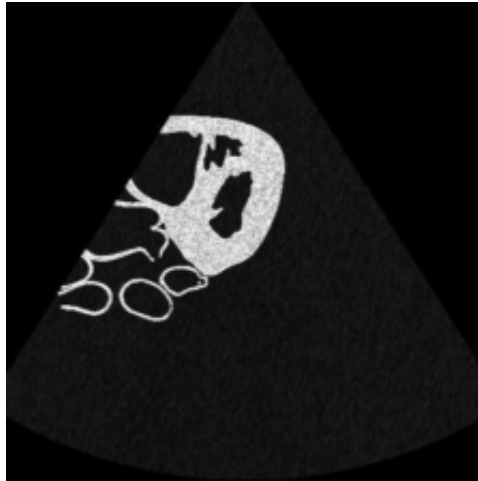
Extracted Answer:

```
{"position":{"x":-0.2,"y":0.3,"z":0.1},"rotation":{"x":-0.45,"y":0,"z":0}}
```

Metric	Value
--------	-------

numeric	-3.0000
keywords	0.5000
xml	0.5000

Example 17



Prompt:

You will be shown a freeze-frame from a point-of-care ultrasound scan. Return a JSON blob giving the **probe transform** that produces an optimal parasternal long-axis (PLAX) view.

Respond **exactly** like this:

```
<reasoning>
(one short sentence - feel free to mention slide / roll / fan / rotate
/ tilt)
</reasoning>
<answer>
{"position":{"x":XX,"y":YY,"z":ZZ},"rotation":{"x":RX,"y":RY,"z":RZ}}
</answer>
```

Do not put any other text after </answer>.

Ground Truth Answer: {"position":{"x":-0.05487971752882004,"y":-0.03166823089122772,"z":-0.002008676528930664},"rotation":{"x":37.0,"y":-7.0,"z":16.0}}

Completion -1.0

Full Model Output:

```
<reasoning>
Slide the probe anterior and tilt slightly cephalo.
</reasoning>
<answer>
{"position":{"x":-50,"y":0,"z":0},"rotation":{"x":0,"y":45,"z":0}}
</answer>
```

Extracted Reasoning:

Slide the probe anterior and tilt slightly cephalo.

Extracted Answer:

```
{"position":{"x":-50,"y":0,"z":0},"rotation":{"x":0,"y":45,"z":0}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Completion -1.0**Full Model Output:**

```
<reasoning>
Slide the probe slightly upwards and rotate it to the left.
</reasoning>
<answer>
{"position":{"x":-10,"y":20,"z":0},"rotation":{"x":0,"y":45,"z":0}}
</answer>
```

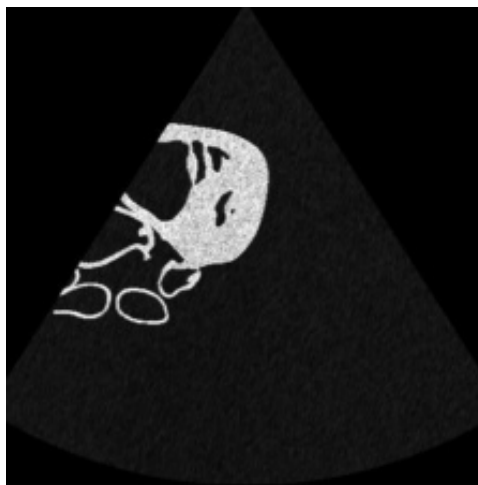
Extracted Reasoning:

Slide the probe slightly upwards and rotate it to the left.

Extracted Answer:

```
{"position":{"x":-10,"y":20,"z":0},"rotation":{"x":0,"y":45,"z":0}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Example 18**Prompt:**

You will be shown a freeze-frame from a point-of-care ultrasound scan.

Return a JSON blob giving the **probe transform** that produces an optimal parasternal long-axis (PLAX) view.

Respond **exactly** like this:

```
<reasoning>
(one short sentence - feel free to mention slide / roll / fan / rotate
 / tilt)
</reasoning>
<answer>
{"position":{"x":XX,"y":YY,"z":ZZ},"rotation":{"x":RX,"y":RY,"z":RZ}}
</answer>
```

Do not put any other text after </answer>.

Ground Truth Answer: {"position":{"x":-0.054772332310676578,"y":-0.031630948185920718,"z":-0.003184080123901367},"rotation":{"x":38.0,"y":-9.0,"z":13.0}}

Completion -1.0

Full Model Output:

```
<reasoning>
Slide the probe slightly to the right and tilt upwards.
</reasoning>
<answer>
{"position":{"x":10,"y":0,"z":0},"rotation":{"x":0,"y":0,"z":30}}
</answer>
```

Extracted Reasoning:

Slide the probe slightly to the right and tilt upwards.

Extracted Answer:

```
{"position":{"x":10,"y":0,"z":0},"rotation":{"x":0,"y":0,"z":30}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Completion -1.0

Full Model Output:

```
<reasoning>
Slide to the left, then tilt the probe slightly downward.
</reasoning>
<answer>
{"position":{"x":10,"y":-5,"z":0},"rotation":{"x":0,"y":0,"z":-45}}
</answer>
```

Extracted Reasoning:

Slide to the left, then tilt the probe slightly downward.

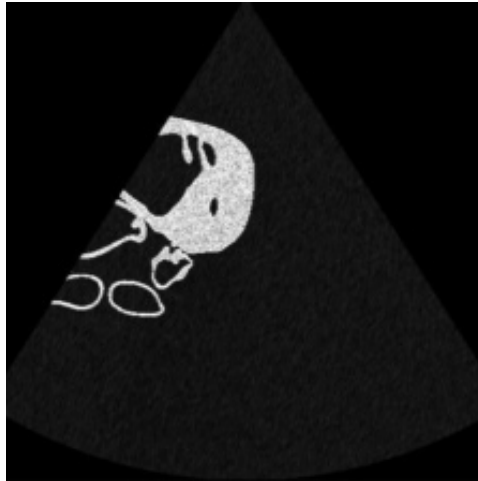
Extracted Answer:

```
{"position":{"x":10,"y":-5,"z":0},"rotation":{"x":0,"y":0,"z":-45}}
```

Metric	Value
--------	-------

numeric	-3.0000
keywords	0.5000
xml	0.5000

Example 19



Prompt:

You will be shown a freeze-frame from a point-of-care ultrasound scan. Return a JSON blob giving the **probe transform** that produces an optimal parasternal long-axis (PLAX) view.

Respond **exactly** like this:

```
<reasoning>
(one short sentence - feel free to mention slide / roll / fan / rotate
/ tilt)
</reasoning>
<answer>
{"position":{"x":XX,"y":YY,"z":ZZ},"rotation":{"x":RX,"y":RY,"z":RZ}}
</answer>
```

Do not put any other text after </answer>.

Ground Truth Answer: {"position":{"x":-0.054352641105651858,"y":-0.031267374753952029,"z":-0.003087759017944336},"rotation":{"x":38.0,"y":-11.0,"z":12.0}}

Completion -1.0

Full Model Output:

```
<reasoning>
Slide the probe to the left and rotate it 45 degrees.
</reasoning>
<answer>
{"position":{"x":0,"y":0,"z":0},"rotation":{"x":0,"y":45,"z":0}}
</answer>
```

Extracted Reasoning:

Slide the probe to the left and rotate it 45 degrees.

Extracted Answer:

`{"position":{"x":0,"y":0,"z":0},"rotation":{"x":0,"y":45,"z":0}}`

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Completion -1.0

Full Model Output:

```
<reasoning>
Slide left and rotate counterclockwise to achieve a PLAX view.
</reasoning>
<answer>
{"position":{"x":0,"y":0,"z":0},"rotation":{"x":0,"y":-45,"z":0}}
</answer>
```

Extracted Reasoning:

Slide left and rotate counterclockwise to achieve a PLAX view.

Extracted Answer:

`{"position":{"x":0,"y":0,"z":0},"rotation":{"x":0,"y":-45,"z":0}}`

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Example 20



Prompt:

You will be shown a freeze-frame from a point-of-care ultrasound scan.

Return a JSON blob giving the **probe transform** that produces an optimal parasternal long-axis (PLAX) view.

Respond **exactly** like this:

```
<reasoning>
(one short sentence - feel free to mention slide / roll / fan / rotate
 / tilt)
</reasoning>
<answer>
{"position":{"x":XX,"y":YY,"z":ZZ},"rotation":{"x":RX,"y":RY,"z":RZ}}
</answer>
```

Do not put any other text after </answer>.

Ground Truth Answer: {"position":{"x":-0.0540967658162117,"y":-0.030985325574874879,"z":-0.004267305135726929},"rotation":{"x":38.0,"y":-12.0,"z":11.0}}

Completion -1.0

Full Model Output:

```
<reasoning>
Slide the probe to the right and roll it slightly up.
</reasoning>
<answer>
{"position":{"x":-100,"y":200,"z":50},"rotation":{"x":0,"y":30,"z":0}}
</answer>
```

Extracted Reasoning:

Slide the probe to the right and roll it slightly up.

Extracted Answer:

```
{"position":{"x":-100,"y":200,"z":50},"rotation":{"x":0,"y":30,"z":0}}
```

Metric	Value
numeric	-3.0000
keywords	0.5000
xml	0.5000

Completion -1.0

Full Model Output:

```
<reasoning>
Slide probe slightly to the right and tilt up for optimal PLAX view.
</reasoning>
<answer>
{"position":{"x":-70,"y":80,"z":40},"rotation":{"x":0,"y":10,"z":0}}
</answer>
```

Extracted Reasoning:

Slide probe slightly to the right and tilt up for optimal PLAX view.

Extracted Answer:

```
{"position":{"x":-70,"y":80,"z":40},"rotation":{"x":0,"y":10,"z":0}}
```

Metric	Value

numeric	-3.0000
keywords	0.5000
xml	0.5000