

QA EXAM REVIEW RESULTS

FEMALE PELVIC ULTRASOUND

Peer reviews were done on random Pelvic Ultrasound exams from the month of JANUARY 2024. Sites included in this QA were Montlake and NW. We had a lot of great improvement, but a few repeat areas of focus popped back up. I will highlight those below, as well as a few new things. Thank you all for helping with this review and your hard work in addressing the items that needed improvement!

MOST SURPRISING & NEEDS OUR ATTENTION

ERRORS IN REPORTING MEASUREMENTS

Yikes, this one was a surprise! **8%** of reports had an error in how ovarian or uterine measurements were written in Viewpoint. This is a pretty big number of reporting errors and needs our focus as we are doing the reports! Things to keep in mind:

- Transvaginal measurements should be used unless the structure is seen better w transabdominal imaging. If you use the TA numbers, state that this was the case and why.
- For the uterus and ovaries, measurements should be taken with 2 measurements in sagittal, one in transverse. Not a huge deal but it is more consistent if we all do it the same. Especially for follow up.
- The machines send across the measurements to VP differently based on the settings that have been chosen. If you notice the machine populating anything but THE LAST set of measurements for a pelvic structure, please let me know. We do not want it averaging the numbers or taking the largest one. Liliia notice that the Montlake Philips machines were doing this, and it was corrected a few weeks ago. I suspect this may be happening elsewhere as well, so please keep an eye out!

MOST OFTEN MISSING FROM EXAM

PCDS IMAGE

OOPS. We went backwards on this one. We went up from 20% of cases not including dedicated images of the posterior cul de sac with labels, to **30%** not having them. All cases need this, not just those you are doing the sliding sign on.

TRANSABDOMINAL UTERUS MEASUREMENTS

25% of cases did not measure the uterus abdominally. Please don't rush through the abdominal images. We cut them down to speed things up already, but what we still get is still important.

ADNEXA SWEEPS

20% of cases did not include adnexal sweeps in both sagittal and transverse on transvaginal imaging. Some did not show the ovary in the sweep very well, which is part of the expectation. These are the transvaginal adnexa requirements:

- 1) 2D Still image in Trans
- 2) Cine in Trans
- 3) Cine in Sag

MOST TO TALK ABOUT

SLIDING SIGN WHEN NEEDED

20% of cases did not include the sliding sign when indicated. From some of the comments on the QA reviews, I think this may have to do with confusion about when it is required. We have said it is needed for chronic pain or rule out endometriosis, but what qualifies as chronic? Pretty much that isn't acute! So ... that means pain for 2 months would qualify ... as well as dysmenorrhea! And don't forget that if you need to do the sliding sign, you also need to get the transverse clip sweeping through the cervix to see the USLs! Make sure you go all the way through the cervix or the USLs will not be seen!

In many of the **retroverted uterus** cases, the sliding sign has not been being done correctly. When doing it for these cases, you should be watching for movement along the posterior uterus, not the anterior uterus! Probe always goes in the posterior fornix! Because of the uterine position, this means that the probe is going to be pointing straight down to the floor with the cord towards the ceiling. It is not going to be comfortable for the patient, but it is necessary to do properly since retroverted uteri are common in endometriosis patients due to adhesions! Please watch this 2 minute video about proper [sliding sign in retroverted uteri](#)

Also of significance, for the cases that we did sliding sign on, only **50%** of cases mentioned it in the report. To help with this, created a drop down in the Cul De Sac section for you to choose when you do a sliding sign. Remember also, if you need the sliding sign, you also need to get the transverse cine clip sweeping through the cervix to see the USLs!!! Make sure you scan all the way through the cervix or you won't see them!

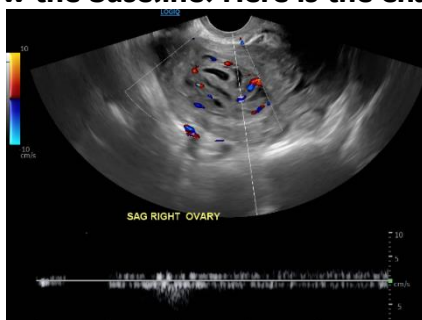
KUDOS! MOST IMPROVED

LMP IN REPORT

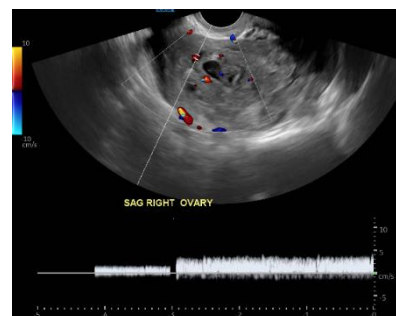
Nice job remembering to include this in the report. Great progress! This went **DOWN TO 6% from 45%**

VENOUS DOPPLERS

Last time we had quite a few venous doppler that did not look like real flow. This time very few people thought the flow show was not real! Great job! Continue to make sure you are documenting real flow and not artifact, especially if the "flow" is filling equally above and below the baseline! Here is the example I used last time for another looksie.



Same Patient!



This is JUST ARTIFACTbut they kept looking and got.....REAL FLOW!

IMPROVED, BUT STILL IN PROGRESS!

METHOD SECTION – NUMBER IS DECIVING!!

While the survey says we properly stated that we did both transabdominal and transvaginal imaging 100% of the time, Dr Dighe has actually been the one adding this for us when it has been missing from the methos section. It is a giant hassle for them to have to change this section after the fact, so she is motivated to catch the errors, but we should be double checking this section each time to make sure it matches what we will be billing - including dopplers and 3D imaging.

CERVIX

We are still hovering at about 90% for this one. Dedicated images of the cervix in both planes, labeled as such, were still missing from 10% of cases. Snap an image in each plane to show you looked!

And a special thanks to our SONOBUZZ CREW....

Christina Popchoi has dedicated countless hours to creating and maintaining our publication and she is ready to pass the torch onto to the next crew! Austin Kawano and Laurel Jimenez have agreed to carry on the magic! Thank you to all 3 of you. Can't wait to see what new things you have in store for us!

*****See charts of QA results for each question below *****

QUESTIONS 1-9 CONTAINED PATIENT AND EXAM INFORMATION AND HAVE NOT BEEN INCLUDED.

9. Transabdominal Images

Adnexa evaluated with sagittal and transverse cine clips images

[More Details](#)

[Insights](#)

Both adnexa completely docum...	63
Documented sweeps only in on...	12
Only done completely one one ...	7
Other	8

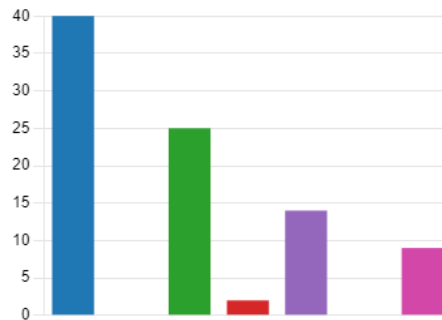


10. Transabdominal Images

Ovaries seen and measured abdominally?

[More Details](#)

Both ovaries documented and ...	40
Ovaries could be seen in adnexa...	0
Both ovaries not visualized	25
Both ovaries documented, but n...	2
Only one ovary was completely ...	14
Not applicable	0
Other	9

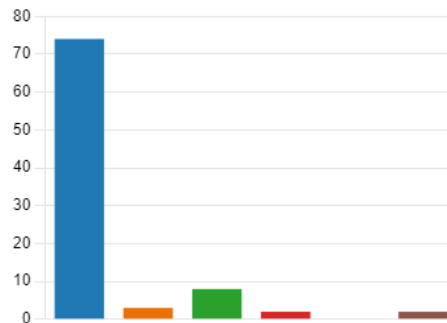


11. Cervix images taken and labeled

[More Details](#)

[Insights](#)

Imaged and labeled in sagittal a...	74
Imaged but not labeled	3
Imaged and labeled in one plan...	8
Not imaged and not labeled	2
Not applicable	0
Other	2

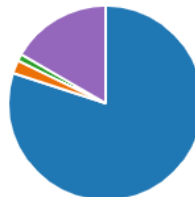


12. Uterus - Sagittal images complete w separate labels for each area, not a common label Sagittal Right and Mid and Left

[More Details](#)

[Insights](#)

Uterus images taken and individ...	72
Uterus Images taken but labele...	2
Uterus images taken but not lab...	1
Not applicable	0
Other	15



13. **Uterus - Transverse images complete and separate labels for each area, not a common label
Sup and Mid and Inf or
Fundus and Mid and LUS**

[More Details](#)

[Insights](#)

● Uterus transverse images taken ...	80
● Uterus Images taken but label...	6
● Uterus transverse images taken ...	1
● Not applicable	0
● Other	3



14. **Uterus measured in 3 dimensions.
Cervix should NOT be included in length**

[More Details](#)

[Insights](#)

● Measured correctly without the ...	83
● Cervix was included	1
● Not measured	2
● Not applicable	0
● Other	4



15. **Uterus cine sweep in sagittal and tranverse**

[More Details](#)

[Insights](#)

● Both planes done	90
● Sagittal only done	0
● Transverse only done	0
● Neither done	0
● Not applicable	0
● Other	0

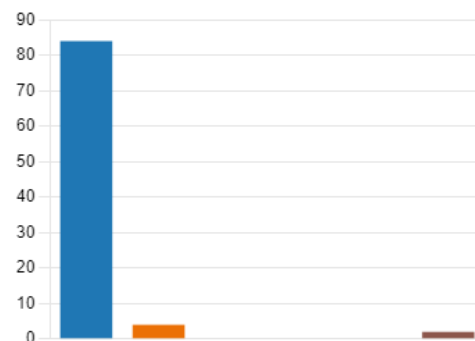


16. **Endometrium measured and shown with color**

[More Details](#)

[Insights](#)

● Measured and color shown	84
● Measured, no color	4
● Not measured	0
● Measured but do not agree wit...	0
● Not applicable	0
● Other	2







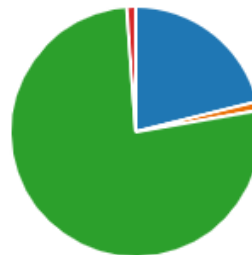
17. Fibroids measured according to below -

- Measure 2 largest fibroids and report location.
- Measure additional fibroids if they are submucosal or pedunculated.

[More Details](#)


 Insights




 Yes	19
 Not done to above description	1
 None present	69
 Other	1



18. Was a 3D done on the uterus for a malformation, IUD or cornual ectopic?

[More Details](#)


 Insights




 Yes	20
 No, but should have been	3
 Not indicated	67



19. Adnexa evaluated with still 2D images in transverse

[More Details](#)

 Insights

 Both adnexa documented with t...	79
 Only documented on one side	2
 Other	6



20. Adnexa evaluated with sagittal and transverse cine clips images

[More Details](#)

[Insights](#)

- Both adnexa completely docum... 74
- Documented sweeps only in on... 8
- Only done completely one one ... 4
- Other 4



21. Extra cine sweeps of adnexa done for suspected ectopic - with and without color

[More Details](#)

[Insights](#)

- At least two 2D cine sweeps and... 4
- No color cine sweeps were inclu... 1
- No cine sweeps were done 0
- Not applicable /not needed 85
- Other 0

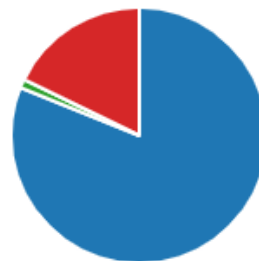


22. Ovaries - at least 2 images in sag and 2 in trans with separate images including measurements in 3 dimensions

[More Details](#)

[Insights](#)

- Both ovaries documented and ... 73
- Both ovaries documented, but o... 0
- Only one ovary was completely ... 1
- Other 16



23. Color doppler on ovaries

[More Details](#)

[Insights](#)

● Yes, color doppler was done	76
● No, color doppler was not done	3
● Color doppler was done only on...	2
● Not applicable, not needed	8
● Other	1

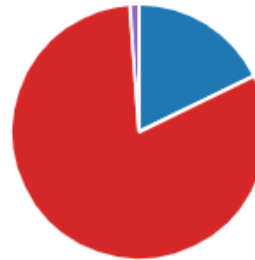


24. Spectral doppler of ovaries performed for acute pain <6 days

[More Details](#)

[Insights](#)

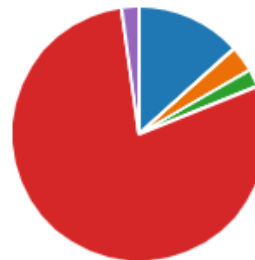
● Yes, spectral doppler was done	16
● Spectral doppler was done but ...	0
● Spectral doppler should have be...	0
● Not applicable, not needed	73
● Other	1



25. If spectral doppler of ovaries was performed, did the venous flow recorded look real or like artifact?

[More Details](#)

● Yes, doppler was real	12
● No, doppler looked like artifact	3
● Difficult to tell if real	2
● Not applicable, not needed	71
● Other	2

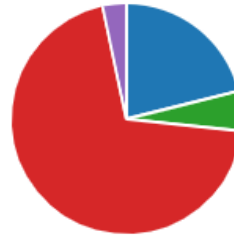


26. Any ovarian cysts measured and included in report if over 3cm if premenopausal, and 1cm if postmenopausal.

[More Details](#)

[Insights](#)

Yes	19
Present but were not measured	0
Cyst smaller than cut off was un...	5
None present	63
Other	3



27. Displacement Clips - If pathology was present, was this done to distinguish if a mass or cyst is paraovarian or ovarian in nature.

[More Details](#)

[Insights](#)

Yes	8
Not done when should have been	1
Not applicable, not needed	79
Other	2



28. Posterior cul de sac images taken and labeled

[More Details](#)

[Insights](#)

Yes	63
No	22
Shown but not labeled	4
Other	1

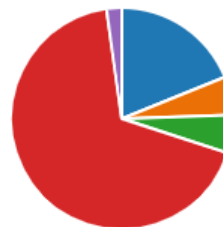


29. Sliding sign done for cases of chronic pain or suspected endometriosis with transducer in posterior fornix.

[More Details](#)

[Insights](#)

Yes, sliding sign done and done ...	17
Should have been done but was...	5
Sliding sign was done, but did n...	5
Not applicable, not needed	61
Other	2

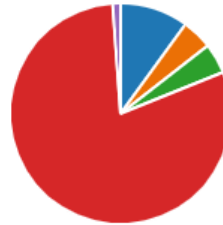


30. For cases of chronic pain and ruling out endometriosis, was there a transverse clip through the end of the cervix to look at uterosacral ligaments?

[More Details](#)

[Insights](#)

● Yes, sweep taken and extended ...	9
● Sweep was taken, but did not ex...	4
● Should have been done but was...	4
● Not applicable, not needed	72
● Other	1



31. Was the LMP included in the indication section of the report? If postmenopausal, was this mentioned instead?

[More Details](#)

[Insights](#)

● Yes	83
● No	5
● Not listed in report but was on i...	0
● Other	2

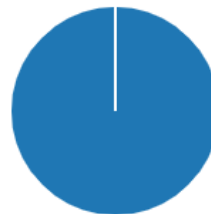


32. Does the method section state that transabdominal and transvaginal imaging was performed?

[More Details](#)

[Insights](#)

● Yes	90
● No	0
●	0

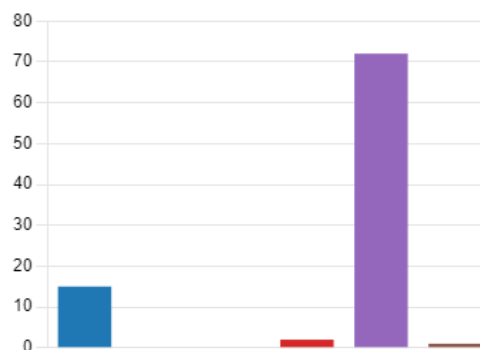


33. If Doppler of ovaries was performed Was it mentioned in the method section and results of it stated in the ovary section.

[More Details](#)

[Insights](#)

● Yes, both were filled in	15
● Method section was not filled in	0
● Results of doppler not mentione...	0
● Neither section was filled in	2
● Not applicable, no doppler done	72
● Other	1

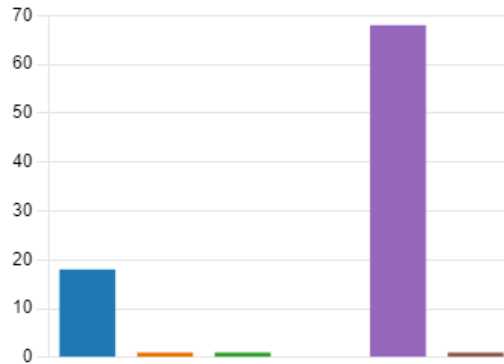


34. If 3D was performed was it mentioned in the report in the method section and results of it stated in the uterus section.

[More Details](#)

[Insights](#)

Yes, both were filled in	18
Method section was not filled in	1
Results not mentioned in uterus...	1
Neither section was filled in	0
Not applicable, 3D was not nee...	68
Other	1



35. Sliding sign results were mentioned if performed

[More Details](#)

[Insights](#)

Yes	13
Results not mentioned	8
Not applicable, sliding sign was ...	64
Other	4



36. Were the measurements used for the uterus and ovaries accurate and taken from the transvaginal images?

[More Details](#)

[Insights](#)

Yes, all measurements are accur...	77
No, there was an error	7
Transabdominal imaging better,...	2
Other	4

