

GE Healthcare

VIP

Volume Imaging Protocol
for LOGIQ 9, LOGIQ 7 and
LOGIQworks



What is VIP?

GE's Volume Imaging Protocol (VIP) is a method of scanning on the LOGIQ® 9 and LOGIQ 7, which uses a volume data sweep to image an entire organ in a matter of seconds – much like is done in CT or MR. Data transfers via DICOM to the LOGIQworks™ workstation, enabling a 3D *virtual rescan* of the raw data/volume dataset in any plane. Having more data with volume sweep helps increase diagnostic confidence.



What is VIP?

The 5 basic steps of VIP

To incorporate Volume Imaging Protocol at your facility:

- 1 Survey scan anatomy
- 2 Perform volume acquisitions
- 3 Transfer volume data sets via DICOM to the LOGIQworks workstation
- 4 Conduct raw data processing and measurements on workstation
- 5 Perform 3D virtual rescan for coronal and volumetric images on workstation



Transducer



LOGIQworks

This pocket guide is a handy reference that outlines the Volume Imaging Protocol for various exam types.

The 5 basic steps of VIP

Thyroid exam

Static images

- Sagittal and transverse images with measurements of each gland.
- Transverse image of the isthmus.
- CF of each gland in sagittal.

Volume sweep

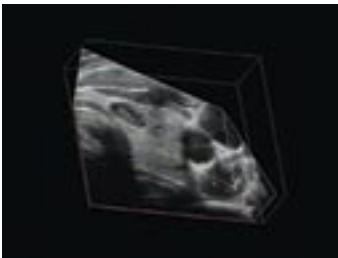
- Volume sweep in sagittal from lateral to medial of each gland.
- Volume sweep in transverse from upper to lower pole of each gland.



Volume sweep pathology.



Coronal or out of plane views best showing pathology.



Testicular exam

Static images

- Sagittal and transverse images with measurements of each testicle.
- Transverse image of both testicles to show homogeneity.
- CF image of each testicle.

Volume sweep

- Volume sweep in sagittal from lateral to medial of each testicle.
- Volume sweep in transverse from upper to lower pole of each testicle.



Valsalva to check for hernia.



Volume sweep pathology as needed.



Coronal or out of plane views best showing pathology.




Breast exam


Static images

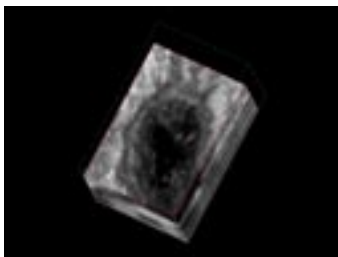
- Measurements of pathology in both planes as needed.
- CF images as needed.

Volume sweep

- Radial and antiradial volume sweep to include area of interest.



 Volume sweep pathology as needed in radial and antiradial.

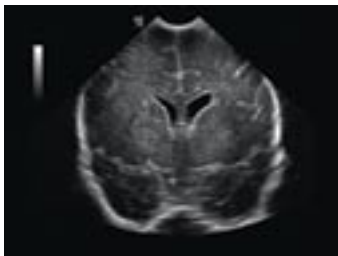
 Coronal or out of plane views best showing pathology.



Neo head exam

Volume sweep

- Coronal volume sweep anterior to posterior.
- Sagittal volume sweep right to left to include entire brain.
-  Volume sweep pathology as needed.
-  Coronal and out of plane images showing pathology as needed.




Renal exam


Static images

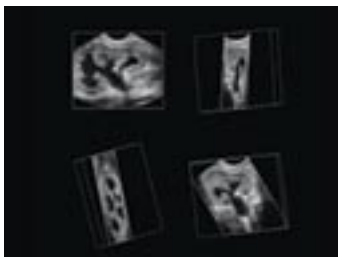
- Sagittal and transverse images with measurements of both kidneys.

Volume sweep

- Transverse volume sweep through both kidneys superior to inferior.
- Sagittal volume sweep through both kidneys lateral to medial.
- Transverse volume sweep through the bladder.

 Volume sweep pathology as needed.

 Coronal or out of plane views best showing pathology.



Gallbladder/RUQ exam

Static images

- Sagittal and transverse measurements of right kidney.
- Transverse image of the pancreas.
- Sagittal image of gallbladder with measurements of gallbladder wall.
- Sagittal image CBD with measurements.
- Transverse measurement of proximal aorta if needed.

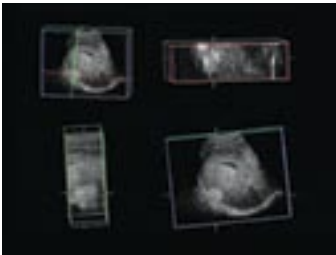
Volume sweep

- Sagittal volume sweep of the liver sub-coastal from right to left lobe.
- Transverse volume sweep of left lobe liver from diaphragm to pancreas.
- Transverse sweep of the liver from diaphragm to upper pole of the right kidney.
- Transverse volume sweep of right kidney from upper pole through lower pole.

Gallbladder/RUQ exam




Volume sweep continued

- Sagittal and transverse volume sweep of the gallbladder in supine and LLD.
- 🔊 Volume sweep pathology as needed.
- 🖥️ Coronal or out plane views best showing pathology.





Abdomen exam

Static images

- Sagittal and transverse measurements of right kidney.
- Sagittal images of GB with measurements of GB wall in supine or LLD.
-  Sagittal and transverse image of GB pathology with measurements as needed.
- Sagittal image CBD with measurements.
- Sagittal images and measurements of proximal mid, and distal aorta as needed.
- Transverse images of the pancreas.
- Sagittal image of the spleen with measurements.
-  Transverse image and measurement of the spleen as needed.
- Sagittal and transverse images with measurements of left kidney.
-  Color Flow/Doppler abdominal organs as indicated.

Abdomen exam

Volume sweep

- Sagittal volume sweep of the liver sub-coastal from right to left lobe.
 - Transverse volume sweep of the liver from diaphragm to upper pole of the right kidney.
 - Transverse volume sweep of left lobe liver from diaphragm to pancreas.
 - Transverse volume sweep of right kidney from upper pole through lower pole.
 - Sagittal and transverse volume sweep of the gallbladder in supine and LLD.
 - Transverse volume sweep of left kidney from upper through lower pole.
-  Volume sweep pathology as needed.
-  Coronal or out of plane views best showing pathology.



Pelvic exam

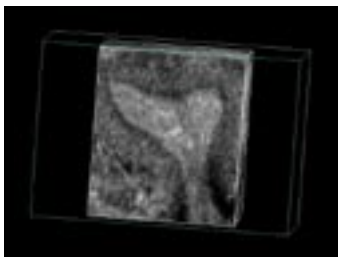
Transabdominal - full bladder

Static images

- Sagittal images with measurements of uterus, ovaries and endometrium.
- Transverse images with measurements of uterus and ovaries.

Volume sweep

- Transverse volume sweep through pelvis including uterus and ovaries superior to inferior.
-  Volume sweep pathology as needed.
-  Coronal or out of plane views best showing pathology.



Pelvic exam


Transvaginal - empty bladder

Static images

- Sagittal images with measurements of uterus, ovaries and endometrium.
- Transverse images with measurements of uterus and ovaries.

Volume sweep

- Sagittal volume sweep of each ovary from lateral to medial.
- Transverse volume sweep of each ovary from superior to inferior.
- Sagittal volume sweep of the uterus from right to left.
- Transverse volume sweep of the uterus from fundus to cervix.

 Volume sweep pathology as needed.



Coronal view of endometrium showing both cornua.



Coronal or out of plane views best showing pathology.


1st Trimester OB exam


Static images

- CRL and Gestational sac measurements.
- Transverse and sagittal measurements of the ovaries.
- Measurements of cysts as needed.

Volume sweep

- Transverse volume sweep through both ovaries.
- Transverse volume sweep through the uterus superior to inferior.
- Sagittal volume sweep through the uterus right to left.
- M-mode heart rate.

 Volume sweep pathology as needed.

 Coronal plane of the uterus showing the location of IUP.



2nd/3rd Trimester OB exam


Static images

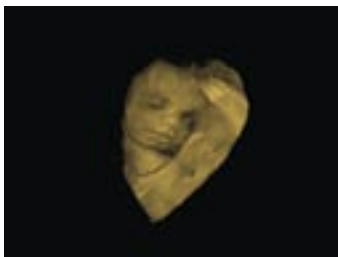
- Measurements as indicated.
- M-Mode heart rate as needed.
- Measurements of cysts as needed.

Volume sweep

- Transverse volume sweep through the uterus superior to inferior.
- Sagittal volume sweep through the uterus right to left.

 Volume sweep pathology as needed.

 Coronal plane or out of plane views best showing area of interest.



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