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The ultrasound equipment at **Pershing Health System** actually adjusts to the patient's body size and shape allowing for a better image and better diagnosis.

Our GE Logiq E9 is GE's premium flagship radiology ultrasound system has extraordinary image quality in all applications across all body types. It is the most agile ultrasound system on the market. This dynamic technology will allow for extraordinary imaging of patients, no matter the body type.

**PHS Radiology Team**



The LOGIQ E9 has set the standard for transducer performance by designing them to work with the patient's agile architecture to maximize performance. The LOGIQ E9 was designed by GE with the help of doctors in order for this ultrasound to allow them to focus less on keystrokes and more on patient care.

### ***The LOGIQ E9 offers:***

- Advanced Volume Navigation tools which empower doctors to accomplish more in superficial and abdominal applications.
- Fusion tools that bring CT or MR images right to the patient's bedside.
- State of the art GPS markers, allowing doctors to visually track their position during scan.
- The LOGIQ E9's Amplitude Modulation Mode provides incredible sensitivity, including never before depiction of minute slow flow or deep vessels with stunning resolution.

### ***What is an ultrasound?***

An ultrasound scan uses sophisticated equipment to send sound waves into the body and captures the returning data to create images that are looked at by the sonographer and interpreted by a radiologist.

### ***How does an ultrasound differ from an x-ray? Is it harmful?***

Ultrasound uses sound waves, and no ionizing radiation, and has no known significant risks.

### ***Why does my bladder need to be full for a pelvic ultrasound?***

A full bladder pushes the uterus in a position where we can see it better, and brightens up the entire pelvis so that we can adequately visualize the uterus and ovaries. It also moves the intestines and bowel out of the way.

### ***I have heard that a transvaginal scan may be necessary, why?***

Ultrasound uses sound waves to generate images of body parts. It is always best to get the sound transducer as close as possible to the part being imaged (ovaries and uterus) as possible to obtain the highly detailed images needed. You will never be forced into such an exam if you're uncomfortable with this.

### ***Is ultrasound better or worse than other modalities like CT?***

Each modality images differently. Sometimes it is necessary to image with different modalities different ways for the best diagnosis. An ultrasound

is what your doctor's office has ordered at this time. Ultrasound is a very good, and very safe test. If additional imaging is needed, the radiologist will recommend it.

***Who will interpret my ultrasound?***

***When will my results be available?***

Your images will be examined by board-certified radiologists. A radiologist is a highly trained physician who specializes in using imaging to diagnose disease. A Revere Health radiologist will look at all of the images from your scan and provide your physician a detailed report of the findings, usually within hours of it being completed.



**PERSHING**  
Health System