

VP SHUNT CHECK

ROUTINE: Single view of the skull to view valve pressure setting.

DISTANCE: 40"

BUCKY: YES

FOCAL SPOT: Large

IMAGING PLATE: DR-16x16 Detector

CENTRAL RAY:

1. Perpendicular to the film centered on appropriate part.

ADDITIONAL COMMENTS:

- This pressure check is usually done under fluoroscopy in the Pain Clinic but can also be verified with an x-ray of the valve.
- Position to see valve – entire skull does not need to be included.

HELPFUL POSITIONING:

See following page.

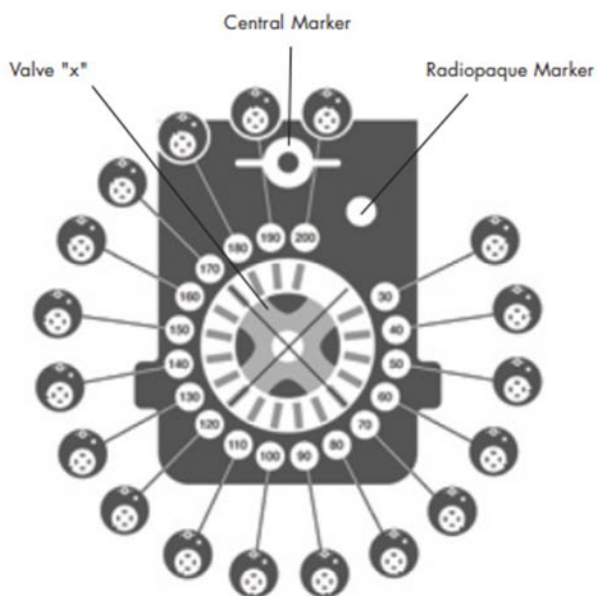
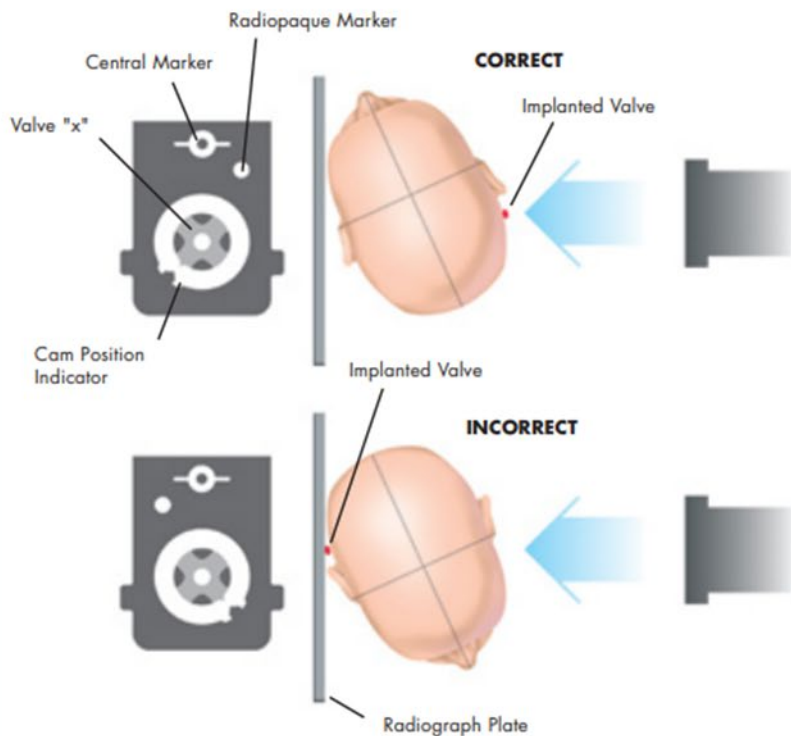
PRESSURE SETTING VERIFICATION

It is advisable to x-ray the complete system immediately after implantation to have a permanent record of component placement and to verify valve pressure. It is also advisable to x-ray the valve whenever valve pressure is reprogrammed or if the patient undergoes an MRI.

A proper radiograph will be generated when the film is shot perpendicular to the plane of the valve with the non-implanted side of the patient's head resting on the plate. The film must be taken in relation to the valve and not the patient's anatomy.

The setting of the valve can be determined by comparing the position of the radiopaque maker on the valve cam to the fixed position of the radiopaque right-hand side indicator on the base plate of the valve.

Comparing the patient radiographs to the diagram on the programming unit panel will indicate the valve setting. Note that settings of 70, 120 and 170 mm H₂O align with the cross in the center of the valve.



Note: Remember to verify valve pressure setting after an MRI.

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