
Procedure Name: Cholecystokinin Gallbladder

Updated 05/10/2010

Note: *This exam is not to be done if the patient is pregnant.*

Supplies:

- 1- Infuser Pump
 - 1- Tubing with 3-way stopcock specific to infuser pump
 - 1- 20ml syringe
 - 2- 10ml prefilled saline syringes
 - 1- 20 to 24g angiocath
- Kinevac will be obtain from nuclear medicine department
Alcohol prep
Emesis basin
Tape

Procedure:

1. Scan and measure GB and CBD pre - injection (GB must be measured in 3 planes, long, AP and transverse to determine volume/cc).
2. Inject dose via mechanical injector over 30 minute time period.
3. Measure GB at 15 minutes after the start of the injection.
4. Measure GB at 30 minutes after the start of the injection which will be at the conclusion of the injection.
5. Also include CBD measurement at the 30 minute time.

THIS COMPLETES THE EXAM.

6. Calculate the ejection fraction at both the 15 and 30 minute intervals using the smallest measurements.

$$100 - \frac{100 \times L \times W \times H}{L \times W \times H} \quad \begin{array}{l} \text{(Maximum Contraction)} \\ \text{(Pre - CCK Injection)} \end{array}$$

Note: Complete worksheet and note if patient has nausea, abdominal cramping and pain especially over RUQ gallbladder area, document time of each occurrence.