



## Fluoroscopy Protocols

### **SYNOVASURE Hip Aspiration** **Fluoro Time Target Limit-1.0**

- ❖ **For ALL Texas Orthopedic Dr.'s, (per Dr. Logan), disregard the Synovasure instructions about not flushing the joint if first attempt is dry.**

#### **Scheduling and Prep:**

- \* There is no prep for this exam.
- \* Patient must fill out a contrast questionnaire.
- \* **Patient must bring the Synovasure Kit with them to their appointment.**

#### **Supplies:**

- \*Synovasure Kit \*Arthrogram Sterile Tray \*Add a 20ga x 3-1/2" spinal Needle \*Sterile gloves \* Immobilization devise-sand bag
- \*10cc STERILE Saline (**Not bacteriostatic saline**) \*5cc Omnipaque 300
- \*5cc Lidocaine \*2cc sodium bicarbonate (optional)
- \*Draw up and mix 3cc Omni 300 and 3cc Sterile Saline
- \*Anatomical side marker on all images

**\*\*18ga x 3-1/2" Needle- For patients with Hip Replacements**

#### **Room Prep:**

- \*Remove Fluoro tower drapes \*Prepare sterile tray

#### **Scout Image:**

- \*AP with toes inverted.

#### **Procedure:**

- \*\*Place ice pack, found in the Synovasure Kit, in your freezer.**
- \* Patient in supine position with toes pointed medial-use an Immobilization devise- such as a sandbag against the foot
- \* Localize injection site: superior 1/3 of proximal femoral neck
- \*See below for patients with a hip replacement**
- \*Prepare the skin using standard sterile technique
- \*Anesthetize skin and deeper tissues
- \*Place 20ga 3-1/2" needle in vertical approach until needle reaches bone

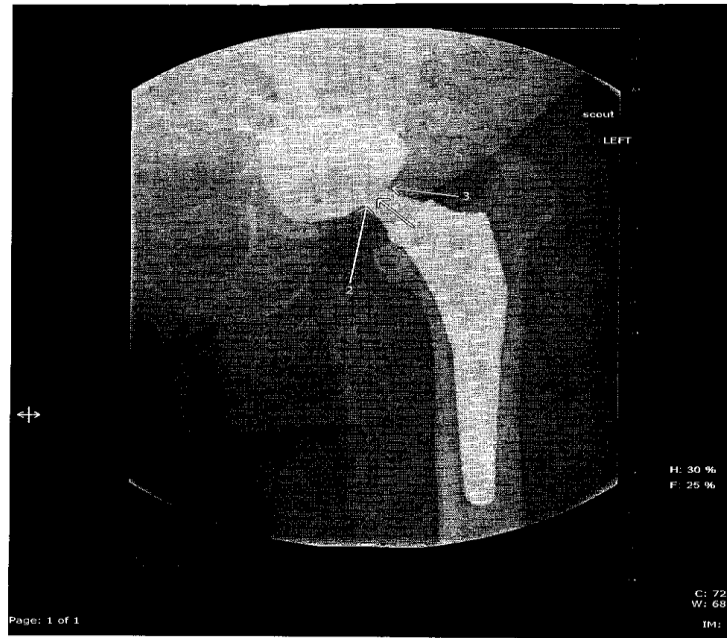
- \*Attempt to aspirate fluid from the joint. Fluid should come up in the Needle freely.
- \*If there is no aspirate, Only for TXO Dr.'s: check your needle placement By injecting a couple of CCs of contrast mixed with sterile saline and Reattempt aspiration.
- \*\*For non-TXO Dr.'s, do not flush the joint and attempt to aspirate again.

- \*According to the Synovasure instructions, this will compromise the lab testing.
- \*If still no fluid, exam is to be completed and should still be charged.
- \*Remove needle/ clean off Betadine and place band-aide over Injection site

**Spot Images:**

- \*AP needle placement / contrast confirmation image-TXO Dr.'s
- \*If there is fluid to send to the Synovasure Lab, follow detailed instructions In the Synovasure Kit for proper tube to place aspirate in.
  - Package up the sample as directed on the Synovasure instructions with supplies provided.
  - Contact Federal Express for scheduling a package pick-up.

**Procedure:** For patients with a hip replacement: 3 possible needle placement sites. If no fluid from site #1, attempt site #2, if still no fluid, attempt site#3.



## Procedure:

- \* Patient in supine position with toes pointed medial-use an Immobilization devise- such as a sandbag
- \* Localize injection site: See above image for needle placements.
- \*Prepare the skin with standard sterile technique
- \*Anesthetize skin
- \*Place **18ga** 3-1/2" needle in vertical approach until needle reaches Metal prosthetic
- \*Attempt to aspirate fluid from the joint. Fluid should come up in the Needle freely.

**Per Dr. Dale: \*You only need a drop of fluid for cultures and only 1ml for cell count.**

- \*If there is no aspirate after 3 separate locations, **inject 3-5cc of AIR.**
- \*If still unsuccessful in aspirating any fluid; check your needle Placement by injecting a couple of CCs of contrast mixed with Sterile saline and reattempt aspiration.
- \*If still no fluid, exam is to be completed and should still be charged.
- \*Remove needle/ clean off Betadine and place band-aide over the Injection site

**Spot Images:** \*AP needle placement / contrast confirmation image

\*These are the minimum images needed to demonstrate the proper anatomy  
For this exam. When deemed necessary, more images may be taken. Care  
Should be taken to minimize patient and technologist exposure.

Reviewed January 23, 2024