Arthrogram Contrast Formulas

Arthograms with CT
Shoulder, elbow, wrist, ankle
(Excluding HIPS and Knees)

A: With a 5cc- syringe: Draw up 5cc 1% Lidocaine -for anesthetizing the skin
B: With a 20cc syringe, draw up 15cc Omnipaque 300 Plus 5cc Lidocaine.

*Amount of Water Soluble Contrast+ Lidocaine mixture to inject for each joint:

  Shoulder- 12cc  Elbow- 7cc  Wrist-2cc  Ankle-7cc

Arthograms with CT
(HIPS)

A: With a 5cc- syringe: Draw up 5cc 1% Lidocaine -for anesthetizing the skin
B: With a 20cc syringe, draw up 15cc Omnipaque 300 Plus 5cc Lidocaine.
C. With a 10cc- syringe: Draw up 5cc .25% Bupivacaine or Marcaine in a Separate syringe

*Inject 7cc of water soluble contrast mixture and then inject 5cc Bupivacaine or Marcaine. This will distend the hip joint with a total of 12 cc.

Arthrogram with CT Knees

A: With a 5cc- syringe: Draw up 5cc 1% Lidocaine -for anesthetizing the skin
B: With 2 - 20cc syringes- (In each syringe) draw up 15cc Omni 300 and 5cc Lidocaine
*Inject entire 40cc of mixture

Arthograms with MRI
Shoulder, elbow, wrist, ankle
(Excluding HIPS and Knees)

A: With a 5cc- syringe: Draw up 5cc 1% Lidocaine –for anesthetizing the skin
B: Mix - .3cc Gadolinium with 30cc - .9% Bacteriostatic Sodium Chloride. Mix well.
C: In a 20cc syringe-Combine 10cc of the Gadolinium/ Sodium Chloride mixture (from above) with 5cc Lidocaine and 5cc Omnipaque 300 contrast.

*Amount of Diluted Gadolinium to inject for each joint

  Shoulder- 12cc  Elbow- 7cc  Wrist-2cc  Ankle-7cc
Arthrograms with MRI
   Hips ONLY

A: With a 5cc- syringe: Draw up 5cc Lidocaine –for anesthetizing the skin
B: Mix .5cc Gadolinium with 30cc - .9% Bacteriostatic Sodium Chloride. Shake well.
C: In a 20cc syringe-Combine 10cc of Gadolinium/Sodium Chloride mixture (from above) with
   5cc Lidocaine and 5cc Omnipaque 300 contrast.
D. Draw up 5cc-.25% Bupivacaine or Marcaine in a separate syringe.

*Inject 7cc Dilute Gadolinium and 5cc .25% Bupivacaine
**This will distend the hip joint with a total of 12 cc.

Arthrograms with MRI
   Knees

A: With a 5cc- syringe: Draw up 5cc 1% Lidocaine –for anesthetizing the skin
B: Mix .3cc Gadolinium with 30cc -.9% Bacteriostatic Sodium Chloride. Mix well.
C: With 2 - 20cc syringes-(In each syringe) draw up 10cc Gad/Saline mixture (above) + 5cc Omni
   300 and 5cc Lidocaine

*Inject the entire 40cc of mixture.

MRI 3T Knee Formula

*Draw up in 2 separate 20cc syringes: 10cc 1% Lidocaine + 5cc-Omni 300 + 5cc-Saline= for a
total of 40cc
*Inject the entire 40cc

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