

To: YNHHS Radiology and Clinical Staff

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Subject: New Epic orders for fluoroscopic joint aspirations/injections by Radiology

Date: February 3rd, 2021

Situation:

The current wording for fluoroscopic guided joint aspiration/injection orders in EPIC is ambiguous to ordering providers and radiologists performing the procedure. Details on the exact joint/location of the procedure are not included and current EPIC naming places laterality of the procedure at the end of the procedure name (increasing risk of laterality ordering error as it is not seen on many screens).

Background:

At Yale New Haven Hospital two wrong site fluoroscopic guided aspiration/injection procedures have been performed in the last year. Both of them stemmed from the same root cause beginning with order entry. Evaluation of system factors contributing to the events identified that the current structure for ordering the procedure in EPIC was confusing and not designed in a fashion to prevent an adverse event.

Assessments:

The current structure of EPIC fluoroscopic and ultrasound guided joint injection / aspiration orders is poorly designed. A system level redesign should help improve granularity of order details and communication between clinical team and procedural radiologist and will help decrease risk of human “error”.

Recommendation:

System wide redesign of the EPIC order was performed with input from the Radiology Quality and Safety Dept., MSK Radiology, Orthopedics, and the Hospitalist Medicine services. Twelve old codes will be deactivated (red stars in Figure 1) and replaced with three new more organized codes for provider use (Figure 2a-c). These new codes give examples of what constitutes a “major”, “intermediate”, or “minor” joint in the name and have selectable fields to specify laterality, anatomic location, and aspiration vs therapeutic injection procedure (Figure 2a-c). The new orders will go live **February 8th, 2021**.

Figure 1- Old codes (red stars) that will be de-activated.

Name	Px Code	Type
FLOW INTERP 16 OR MORE (L)	LAB4442	Lab
FL Aspiration/Injection Intermediate Joint Left (GH YH LM)	IMG3692	Imaging
FL Aspiration/Injection Intermediate Joint Right (GH YH LM)	IMG3693	Imaging
FL Aspiration/Injection Major Joint Left (GH YH LM)	IMG3694	Imaging
FL Aspiration/Injection Major Joint Right (GH YH LM)	IMG3695	Imaging
FL Aspiration/Injection Minor Joint Left (GH YH LM)	IMG3696	Imaging
FL Aspiration/Injection Minor Joint Right (GH YH LM)	IMG3697	Imaging
FL Barium Enema Intussusception Reduction	IMG759	Imaging
FL Facet/Joint Injection Diag or Thera L1 To S5 1st Lvl Bilat (BH YH SR)	IMG3626	Imaging
FL Facet/Joint Injection Diag or Thera L1 To S5 1st Lvl Left (BH YH SR)	IMG2662	Imaging
FL Facet/Joint Injection Diag or Thera L1 To S5 1st Lvl Right (BH YH SR)	IMG3625	Imaging
FL Facet/Joint Injection Diag or Thera C1 to T12 (BH YH SR)	IMG2661	Imaging
FL G Tube Injection w IV Contrast (BH YH LM WH)	IMG3178	Imaging
FL Guidance Spine Diag Or Thera Injection (GH YH SR)	IMG2670	Imaging
FL Guided Tendon Injection Left (YH SR)	IMG3180	Imaging
FL Guided Tendon Injection Right (YH SR)	IMG3179	Imaging
FL Steroid Injection Hip Left (YH SR)	IMG3197	Imaging
FL Steroid Injection Hip Right (YH SR)	IMG3198	Imaging
FL Steroid Injection Knee Left (YH SR)	IMG3199	Imaging
FL Steroid Injection Knee Right (YH SR)	IMG3200	Imaging
FL Steroid Injection Shoulder Left (YH SR)	IMG3201	Imaging
FL Steroid Injection Shoulder Right (YH SR)	IMG3202	Imaging

Figure 2a: FL Guided Aspiration/Injection Small Joint (Finger, Toe)

Accept Cancel

Status: Normal Standing Future

Expected Date: Today Tomorrow 1 Week 2 Weeks 1 Month 3 Months 6 Months Approx.

Expires: 1/25/2022 1 Month 2 Months 3 Months 4 Months 6 Months 1 Year

Priority: Routine Routine Within 24 hours (Urgent) Within 4 hours (STAT) Phys Appt Directly After Test Timed

Class: Ancillary Pe Ancillary Performed Hospital Performed External

Reason for Exam:

Laterality: Left Right

Aspiration or Therapeutic Injection?: Aspiration Therapeutic Injection

Which Joint?: Finger Toe Other

Which Digit?: 1st Digit (thumb) 2nd Digit (index) 3rd Digit (middle) 4th Digit (ring) 5th Digit (pinkie)

MCP, PIP OR DIP MCP PIP DIP

Sched Inst.: [+ Add Scheduling Instructions](#)

Comments: [+ Add Comments \(F6\)](#)

[Show Additional Order Details](#) v

Next Required

 Accept Cancel

Figure 2b: FL Guided Aspiration/Injection Intermediate Joint (Wrist, Ankle, AC)

FL Guided Aspiration/Injection Intermediate Joint (Wrist,Ankle,AC) ✓ Accept ✗ Cancel

Status:

Expected Date: Approx.

Expires: 1/25/2022

Priority:

Class:

Reason for Exam:

Laterality:

Aspiration or Therapeutic Injection?

Which Intermediate Joint:

Which Joint of Foot:

Sched Inst.: [+ Add Scheduling Instructions](#)

Comments: [+ Add Comments \(F6\)](#)

[Show Additional Order Details](#) ∨

⚠ Next Required ✓ Accept ✗ Cancel

Figure 2c: FL Guided Aspiration/Injection Major Joint (Shoulder, Hip, Knee)

FL Guided Aspiration/Injection Major Joint (Shoulder,Hip) ✓ Accept ✗ Cancel

Status:

Expected Date: Approx.

Expires: 1/25/2022

Priority:

Class:

Reason for Exam:

Laterality:

Aspiration or Therapeutic Injection?

Which Major Joint?

Sched Inst.: [+ Add Scheduling Instructions](#)

Comments: [+ Add Comments \(F6\)](#)

[Show Additional Order Details](#) ∨

⚠ Next Required ✓ Accept ✗ Cancel