

To: YNHHS Radiology and Clinical Staff

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Subject: New Epic order panel for enteric catheter contrast injection before portable abdominal x-ray (tube checks)

Date: February 1st, 2021

Situation:

No standardized process exists currently across YNHHS to order an abdominal x-ray with contrast injection through a G, GJ or J catheters shortly before x-ray acquisition to assess tube location/patency.

Background:

Percutaneous enteric G, GJ or J catheters can occasionally become dislodged and no longer reside within the bowel lumen. In this setting tube malfunction may be suspected by the clinical provider and x-ray imaging with contrast injection through the tube is requested to verify appropriate placement and/or patency. Currently, at YNHHS the radiologist has to verbally approve these requests so the technologist can properly document the injection of iodinated contrast as a drug order. This process results in inconsistency, unclear orders for nurses caring for the patient, and interruptions in workflow for technologists and radiologists.

Assessment:

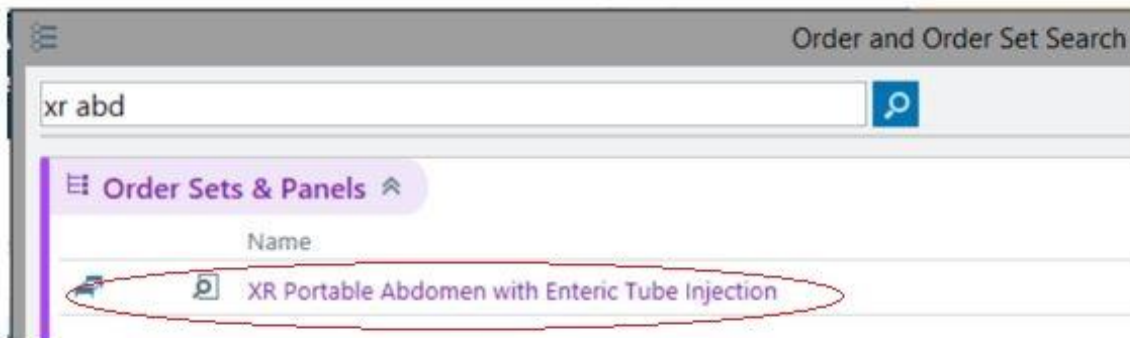
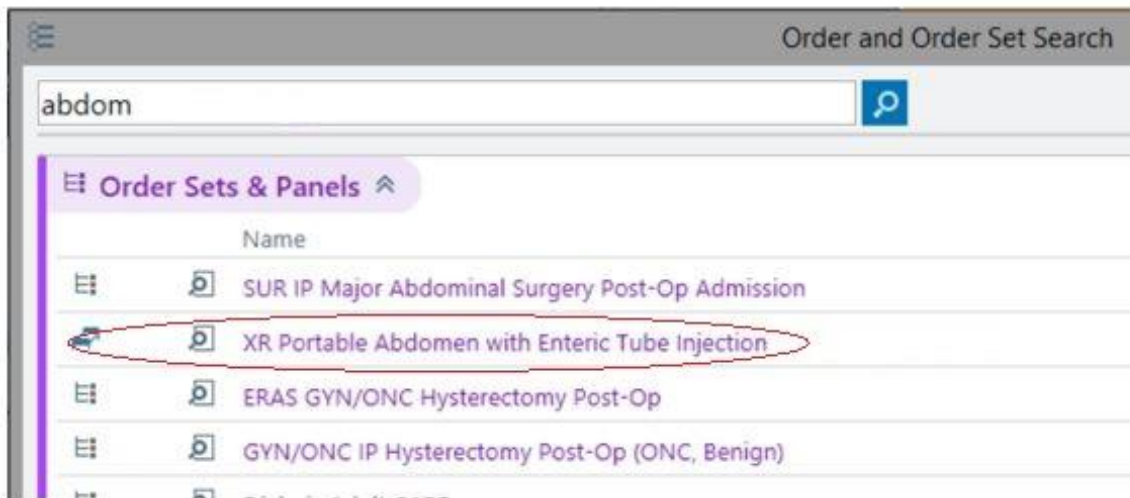
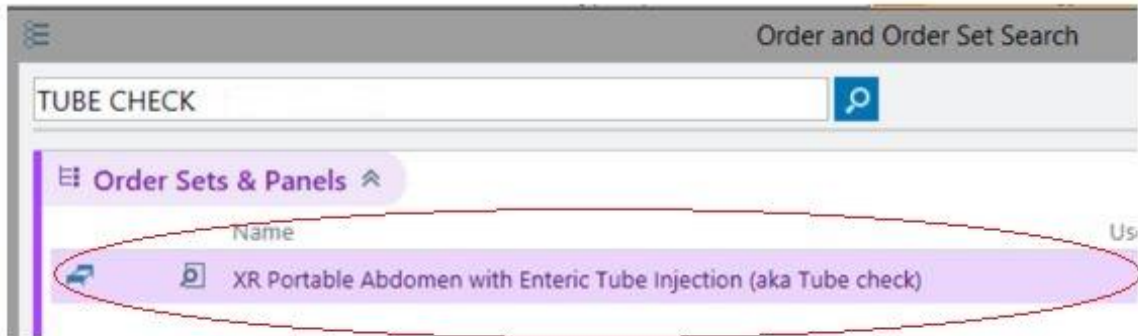
An inconsistent process currently exists for ordering and acquiring abdominal x-rays for “tube checks”. This creates risk of patient harm through misadministration of contrast (both dose and route) and causes delays in care.

Recommendations:

An order panel has been created using a predetermined dose of Omnipaque 300 (based on patient age) dispensed from radiology coupled with an order for a portable abdominal x-ray. Radiologist approval is not needed when the new order panel is used.

The ordering clinical provider should use the new order panel for any tube check orders moving forward. It can be found easily in Epic orders by searching using various key words (ie-“tube check”, “tube”, “enteric tube”, “abdomen”). IR consults for percutaneous enteric catheter placement/replacement is NOT affected by this new panel. The panel will go live **February 3rd 2021**.

Screen shots of various search terms that will bring up the panel for ordering provider.



Order panel in EPIC-

XR Portable Abdomen with Enteric Tube Injection ✓ Accept

< 2 years old: iohexol (OMNIPAQUE) 300 mg/mL oral solution (\$) 5 mL

2 to 10 years old: iohexol (OMNIPAQUE) 300 mg/mL oral solution (\$) 10 mL

> 10 years old: iohexol (OMNIPAQUE) 300 mg/mL oral solution (\$) 20 mL

XR Abdomen AP (\$) Within 1 hour (STAT), 1 TIME IMAGING, First occurrence today at 0918
Bring Omni 300 to floor (under age 2 = 5 mL, ages 2-10 = 10 mL, 10 and older = 20 mL). Nurse or provider will inject contrast before x-ray taken.
Portable? Yes
Reason for Exam: Evaluate tube location.

Next Required ✓ Accept

-Provider picks relevant Omnipaque drug order for tube injection based on patient age.

-Portable abdominal x-ray order is pre-selected.

After selecting Omnipaque order the provider picks route of administration. Instructions for nursing will be visible in the MAR to give the enteric contrast after x-ray technologist brings it to patient bedside.

XR Portable Abdomen with Enteric Tube Injection

< 2 years old: iohexol (OMNIPAQUE) 300 mg/mL oral solution (\$) 5 mL

iohexol (OMNIPAQUE) 300 mg/mL oral solution 10 mL (\$)

Dose: 10 mL 5 mL 10 mL 20 mL

Administer Dose: 10 mL
Administer Amount: 10 mL

Route: Per G Tube Per NG tube Per J Tube Per NJ tube

Frequency: IMG ONCE PRN ONCE PRN

PRN reasons: other

PRN comment:

For: 1 Doses Hours Days

Starting: 2/1/2021 Today Tomorrow At: 0905 Show Additional Options

Starting: **Today 0905 Until Discontinued** Number of doses: 1

There are no scheduled times based on the current order parameters.

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