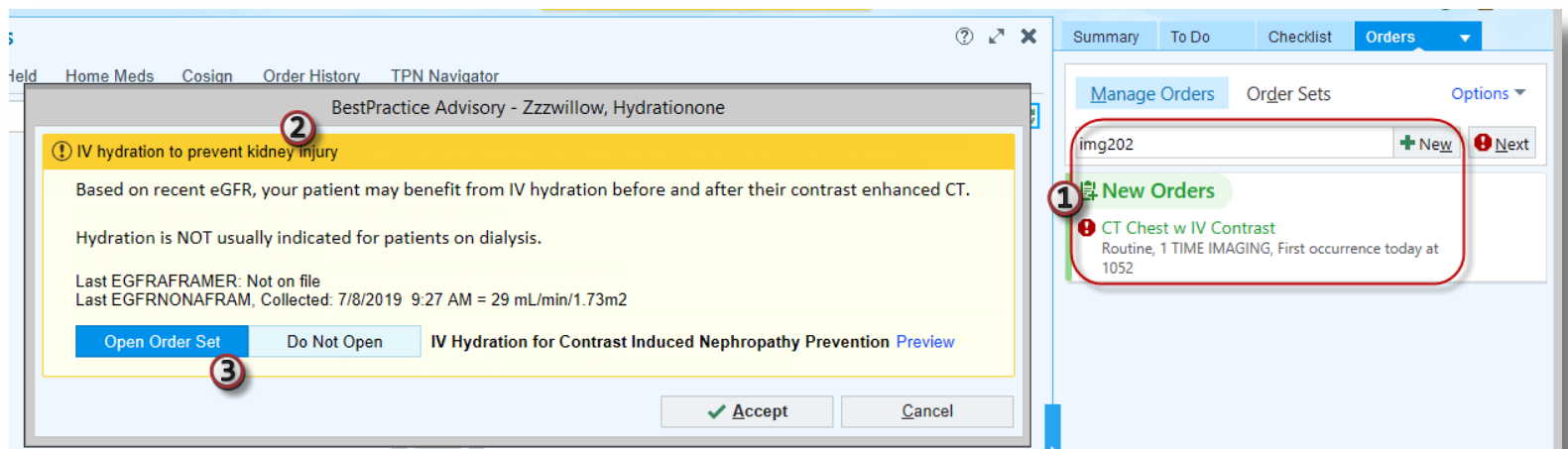


Inpatient order set for IV Hydration for CT scans with contrast

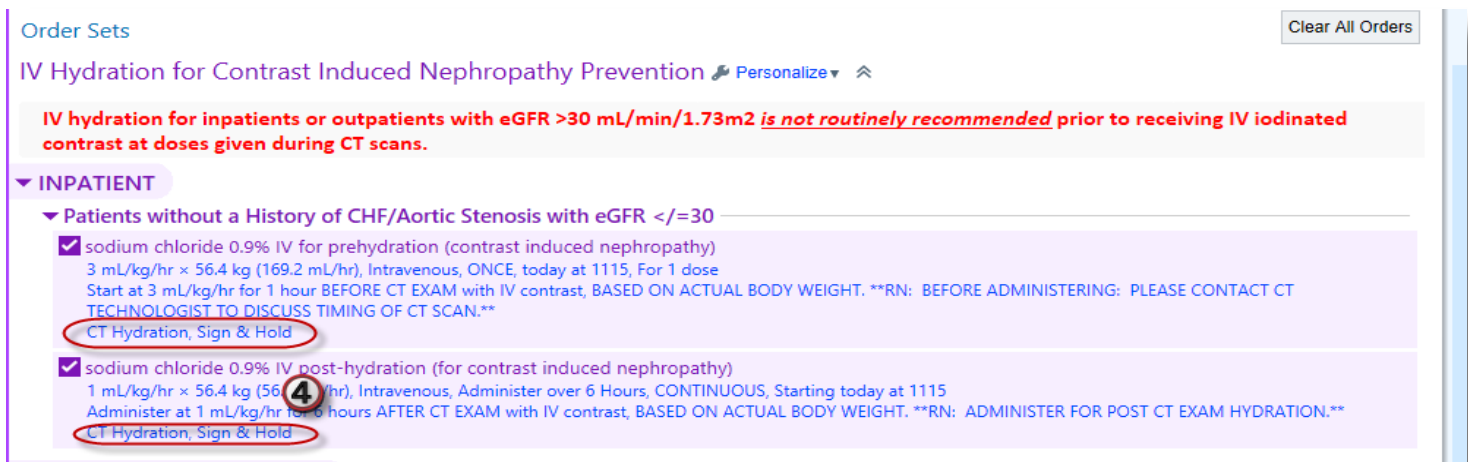
When ordering a CT scan with contrast, an ordering provider can now select a hydration order set to minimize risk of contrast related acute kidney injury for patients with eGFR values ≤ 30 .

Order Entry (Provider)

1. The ordering Provider will place an order for a CT exam with IV contrast.
2. If the patient has an eGFR that is less than or equal to 30 within the last 48 hours, a best practice advisory (BPA) will display suggesting the use of the Hydration Order Set.
3. Clicking on the 'Open Order Set' hyperlink from this message will open the Hydration Order Set.



4. Inside the order set, prehydration and post-hydration orders will be pre-selected. Note that the orders will have a phase of care of 'CT Hydration' and is defaulted to Sign & Hold which is appropriate.



****If the patient is in the ED, the provider will need to choose from options depending on the patient's eGFR.****

5. The Provider will sign the orders from the order set.
 - a. During signature, the Provider should NOT attach a phase of care to the CT exam order – **the CT exam needs to be an active order.**
6. The hydration orders will be in the Signed & Held Tab of Manage Orders. The CT exam order will be visible in active orders.
7. Nursing will see a red banner on the patient's Summary activity that indicates the patient has signed and held orders from the current encounter. These are the pre and post hydration orders that should have been signed and held.

Releasing the Prehydration Order (CT Scan/Nursing)

1. CT Scan will receive an alert in Epic that they should communicate to the Nurse when the CT exam is scheduled. This is to allow proper timing for the pre-CT IV hydration.

- Nursing will release the 'prehydration' order from the Signed & Held tab from the Manage Orders activity.

Manage Orders

Active **Signed & Held** Home Meds Cosign Order History TPN Navigator

Release Orders

Click Here to Release Signed and Held Orders

Signed & Held

Signed and Held Orders

(Canceled procedure) CT Chest w IV

ID	Description
28560729	sodium chloride
28560730	sodium chloride

Sort by: Nurse Default

Signed & Held Orders - Unreconciled Transfer Orders 0 orders

Signed & Held Orders - Reconciled Transfer Orders 0 orders

Signed & Held Orders - Other Orders 2 orders

(Canceled procedure) CT Chest w IV Contrast (eg: Empyema, Complex pleural and mediastinal masses, staging of central lung cancer) - CT Hydration
Order set: IV Hydration for Contrast Induced Nephropathy Prevention

INPATIENT

sodium chloride 0.9% IV for prehydration (contrast induced nephropathy)
3 mL/kg/hr × 56.4 kg (169.2 mL/hr), Intravenous, ONCE, Wed 7/3/19 at 1100, For 1 dose
Start at 3 mL/kg/hr for 1 hour BEFORE CT EXAM with IV contrast, BASED ON ACTUAL BODY WEIGHT. **RN: BEFORE ADMINISTERING: PLEASE CONTACT CT TECHNOLOGIST TO DISCUSS TIMING OF CT SCAN.**
CT Hydration

sodium chloride 0.9% IV post-hydration (for contrast induced nephropathy)
4 mL/kg/hr × 56.4 kg (56.4 mL/hr), Intravenous, Administer over 6 Hours, CONTINUOUS, Starting Wed 7/3/19 at 1100
Administer at 1 mL/kg/hr for 6 hours AFTER CT EXAM with IV contrast, BASED ON ACTUAL BODY WEIGHT. **RN: ADMINISTER FOR POST CT EXAM HYDRATION.**
CT Hydration

Will discontinue the order

New Discontinue Modify

will release the checked off orders

Release

Close

- Once released, this order will route to the Pharmacy verification queue for verification.
- Once verified, Nursing will administer the prehydration to the patient.

Releasing the Post-Hydration Order (CT Scan/Nursing)

- Once the patient arrives back to the floor, the nurse will release the post-hydration order from Manage Orders, Signed & Held.
- Once released, the order will route to the Pharmacy verification queue for verification.
 - If the CT exam is cancelled, the Nurse will see 'Cancelled Procedure' under Signed and Held Orders.

Signed and Held Orders

(Canceled procedure) CT Chest w IV Contrast (eg: Empyema, Complex pleural and mediastinal masses, staging of central lung cancer)

ID	Description	Signed By	When
28560729	sodium chloride 0.9% IV for prehydration (contrast induced nephropathy)-ONCE	Umali, Karen Sherryl, PharmD	07/03/19 1051
28560730	sodium chloride 0.9% IV post-hydration (for contrast induced nephropathy) -CONTINUOUS	Umali, Karen Sherryl, PharmD	07/03/19 1051

3. Once Pharmacy verifies the post hydration order Nursing will administer the post-hydration to the patient.
4. If the Nurse released both the pre and post hydration orders at the same time – the nurse can just adjust the time of administration of the post-hydration order on the MAR.
5. The Nurse should reach out to the ordering provider to discontinue any hydration orders that are still active if the exam is canceled. They can also take a verbal/telephone communication and discontinue them with the provider's authorization.