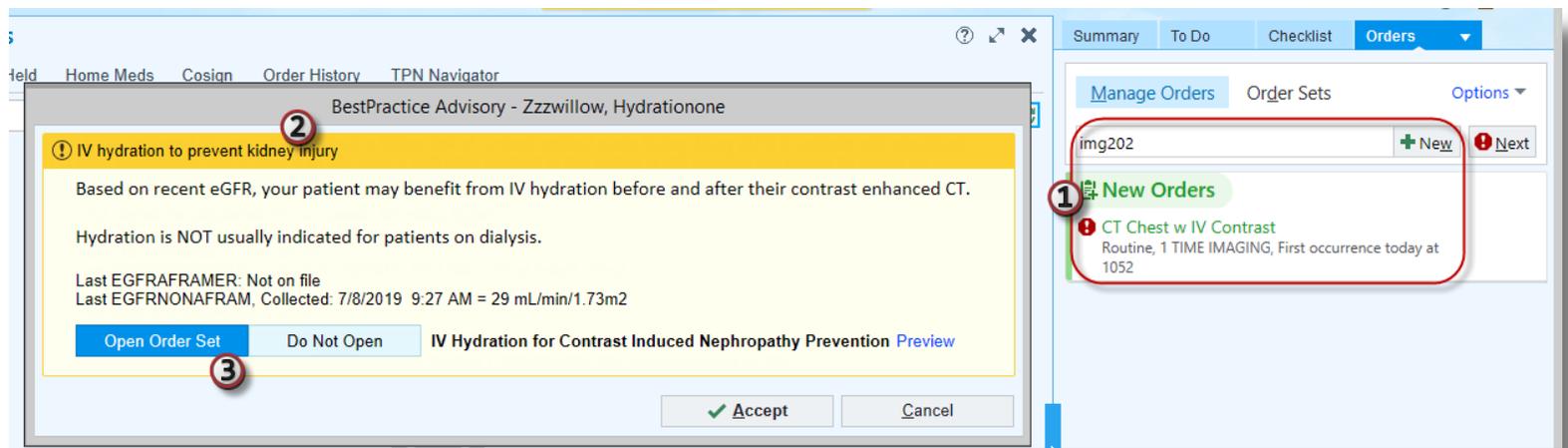


# Inpatient order set for IV Hydration for CT scans with contrast

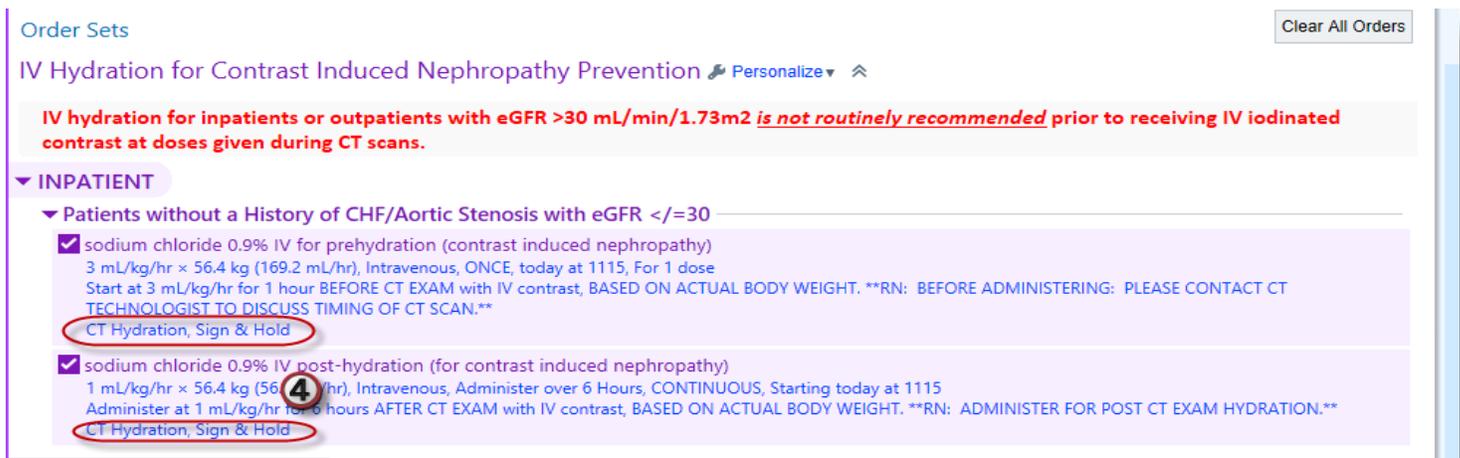
When ordering a CT scan with contrast, an ordering provider can now select a hydration order set to minimize risk of contrast related acute kidney injury for patients with eGFR values  $\leq 30$ .

## 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.

The screenshot shows the 'Manage Orders' interface with the 'Signed & Held' tab selected. A 'Release Orders' modal window is open, showing a list of orders. The 'Signed & Held Orders - Other Orders' section contains two checked orders: 'sodium chloride 0.9% IV for prehydration (contrast induced nephropathy)' and 'sodium chloride 0.9% IV post-hydration (for contrast induced nephropathy)'. A callout box points to the 'Release' button with the text 'will release the checked off orders'. Another callout box points to the 'Discontinue' button with the text 'Will discontinue the order'.

- 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			
<b>(Canceled procedure) CT Chest w IV Contrast (eg: Empyema, Complex pleural and mediastinal masses, staging of central lung cancer)</b>			
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.