MEDITECH Expanse TIP SHEET
Pharmacy

Epoetin and Darbepoetin Clinical Decision Support

Provider Order Entry

<u>Associated data</u> will display including most recent patient <u>blood pressure, Hgb and iron studies</u> if they have been ordered.
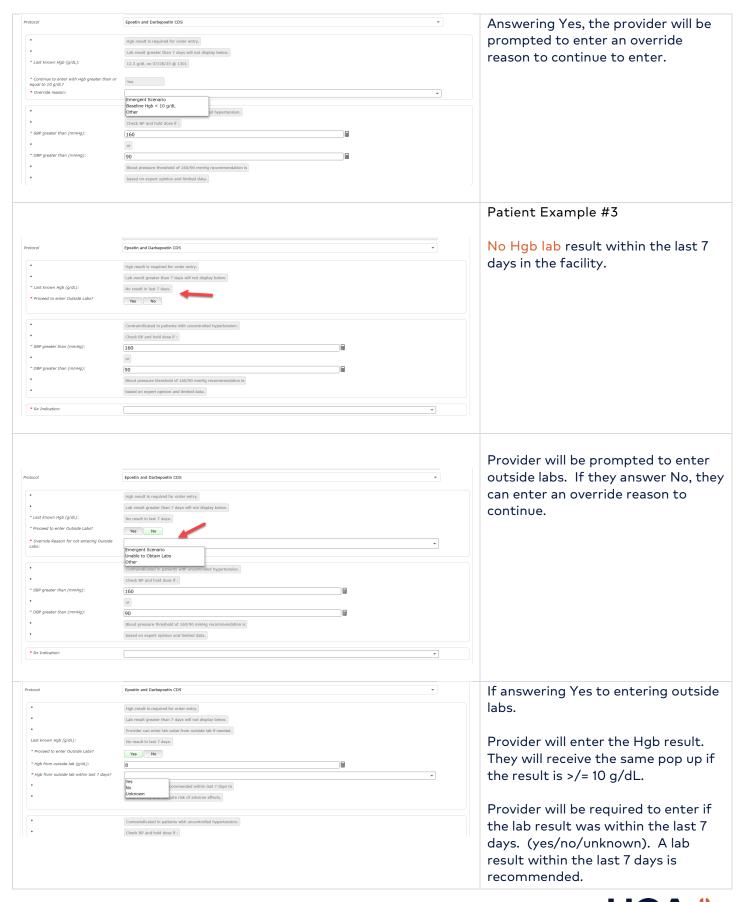

Patient example #1

<u>Hgb < 10 g/dL</u> and has been resulted within the last 7 days in the facility.

Suggested parameters for blood pressure will default. These are editable by the provider.

Provider will need to choose an indication for the epoetin/darbepoetin.

	Hold parameters will default based on Provider's selections.
	Patient example #2 Hbg >/= 10 and has been resulted within the last 7 days in the facility. The provider will receive a box warning asking if they would like to proceed.
	Answering No, the provider will be reminded to uncheck the order.

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Epoetin/Darbepoetin Decision Support

Answering Yes, the provider will be prompted to enter an override reason to continue to enter.

Patient Example #3

No Hgb lab result within the last 7 days in the facility.

Provider will be prompted to enter outside labs. If they answer No, they can enter an override reason to continue.

If answering Yes to entering outside labs.

Provider will enter the Hgb result. They will receive the same pop up if the result is >/= 10 g/dL.

Provider will be required to enter if the lab result was within the last 7 days. (yes/no/unknown). A lab result within the last 7 days is recommended.

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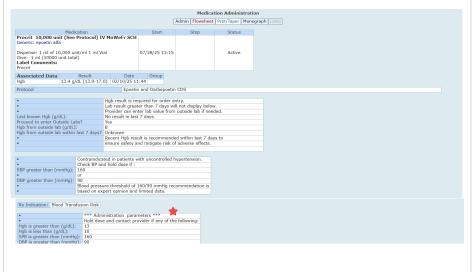
Pharmacy

Pharmacists can view the protocol during verification by using the "i" button from the pharmacist desktop or on the protocol button.

EMAR
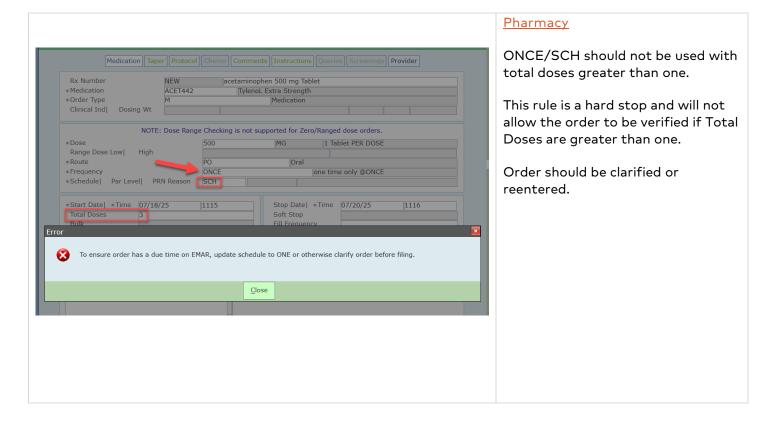
Nursing can view the protocol on the Prot/Taper button.

Take notice of the administration parameters that indicate when to hold the administration and contact the provider.

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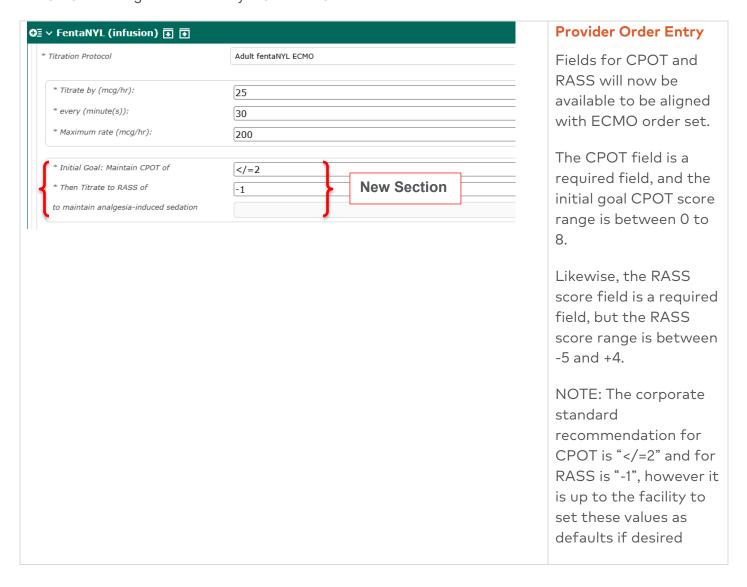## PHA Rule for ONCE/SCH

Pharmacy

ONCE/SCH should not be used with total doses greater than one.

This rule is a hard stop and will not allow the order to be verified if Total Doses are greater than one.
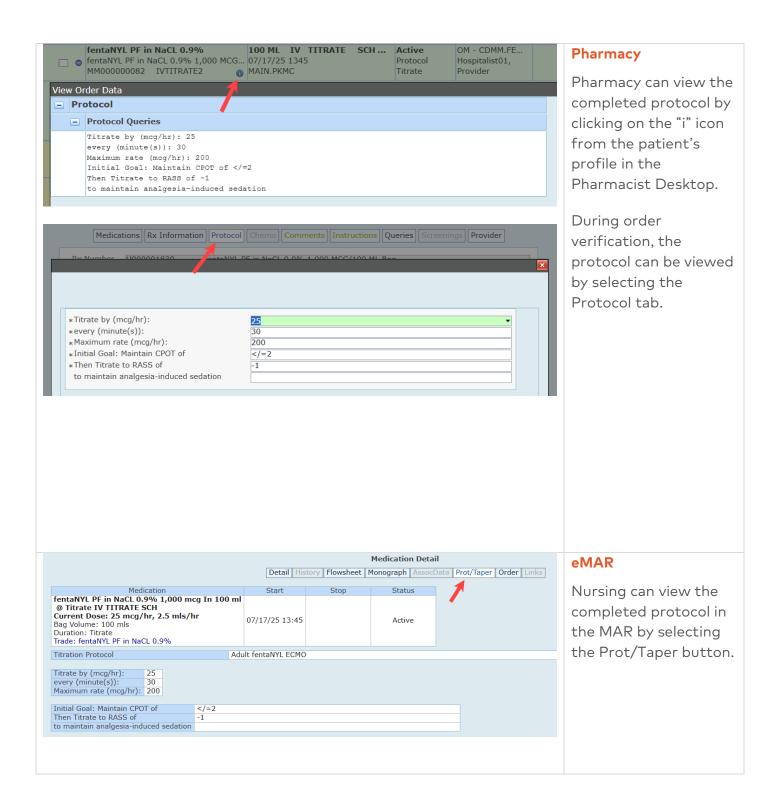
Order should be clarified or reentered.

Expanse TIP SHEET

Pharmacy - Adult fentaNYL ECMO Protocol

To accommodate updates to Evidence Based Order Sets (EBOS), a new Protocol was developed for the use in ECMO. This aligns with Fentanyl V5 Admin Criteria enhancement.

FentaNYL (infusion)

Field	Value
* Titration Protocol	Adult fentaNYL ECMO
* Titrate by (mcg/hr):	25
* every (minute(s)):	30
* Maximum rate (mcg/hr):	200
* Initial Goal: Maintain CPOT of	</=2
* Then Titrate to RASS of	-1
to maintain analgesia-induced sedation	

New Section

Provider Order Entry

Fields for CPOT and RASS will now be available to be aligned with ECMO order set.

The CPOT field is a required field, and the initial goal CPOT score range is between 0 to 8.

Likewise, the RASS score field is a required field, but the RASS score range is between -5 and +4.

NOTE: The corporate standard recommendation for CPOT is "</=2" and for RASS is "-1", however it is up to the facility to set these values as defaults if desired

	fentaNYL PF in NaCL 0.9%	100 ML IV TITRATE SCH ...	Active	OM - CDMM.FE...
☐ ⊖	fentaNYL PF in NaCL 0.9% 1,000 MCG...	07/17/25 1345	Protocol	Hospitalist01,
	MM000000082 IVTITRATE2 ⓘ	MAIN.PKMC	Titrate	Provider

View Order Data

⊟ **Protocol**

   ⊟ **Protocol Queries**

```
Titrate by (mcg/hr): 25
every (minute(s)): 30
Maximum rate (mcg/hr): 200
Initial Goal: Maintain CPOT of </=2
Then Titrate to RASS of -1
to maintain analgesia-induced sedation
```

| Medications | Rx Information | Protocol | Chemo | Comments | Instructions | Queries | Screenings | Provider |

*Titrate by (mcg/hr):	25 ▼
*every (minute(s)):	30
*Maximum rate (mcg/hr):	200
*Initial Goal: Maintain CPOT of	</=2
*Then Titrate to RASS of	-1
to maintain analgesia-induced sedation	

Pharmacy

Pharmacy can view the completed protocol by clicking on the "i" icon from the patient's profile in the Pharmacist Desktop.

During order verification, the protocol can be viewed by selecting the Protocol tab.

Medication Detail

| Detail | History | Flowsheet | Monograph | AssocData | Prot/Taper | Order | Links |

Medication	Start	Stop	Status
fentaNYL PF in NaCL 0.9% 1,000 mcg In 100 ml @ Titrate IV TITRATE SCH Current Dose: 25 mcg/hr, 2.5 mls/hr Bag Volume: 100 mls Duration: Titrate Trade: fentaNYL PF in NaCL 0.9%	07/17/25 13:45		Active

Titration Protocol	Adult fentaNYL ECMO

Titrate by (mcg/hr):	25
every (minute(s)):	30
Maximum rate (mcg/hr):	200

Initial Goal: Maintain CPOT of	</=2
Then Titrate to RASS of	-1
to maintain analgesia-induced sedation	

eMAR

Nursing can view the completed protocol in the MAR by selecting the Prot/Taper button.

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Provider orders Fluoroquinolone (i.e. Levofloxacin) and selects "UTI-Cystitis" as Rx Indication:

Protocol	Fluoroquinolone Indications v2
* Rx Indication:	Sexually Transmitted Infx / Skin & Soft Tissue Infx / **UTI-Cystitis** / UTI-Pyelo/Complicated / Other
* Rx Duration in Days:	
* Rx Duration in Doses:	

Current vs Updated Fluoroquinolone/UTI-Cystitis Pop Up Alert Message

Confirmation

===============================
Fluoroquinolones may cause potentially permanent and disabling side effects and are not recommended first-line for treatment of this indication.
===============================

Recommended first-line treatments are (choose one):
- Ceftriaxone
- Gentamicin
- If documented sensitivity: Nitrofurantoin (cystitis only) or TMP/SM

(For penicillin allergy options, see institutional guidelines.)

Click YES to continue this order. Click NO to return to the order and uncheck it from being ordered.

Current Fluoroquinolone/UTI-Cystitis Alert   [Yes] [No]

Confirmation

===============================
Fluoroquinolones may cause potentially permanent and disabling side effects and are not recommended first-line for treatment of this indication.
===============================

Recommended first-line treatments are (choose one):
- Ceftriaxone
- Single-Dose Aminoglycosides (e.g., gentamicin)
- If documented susceptibilities: Nitrofurantoin (cystitis only) or TMP/SMX

For options based on local susceptibilities and allergies, see institutional guidelines or contact pharmacy.

Click YES to continue this order. Click NO to return to the order and uncheck it from being ordered.

Updated Fluoroquinolone/UTI-Cystitis Alert   [Yes] [No]

The following verbiage changes were made to the Fluoroquinolone/UTI-Cystitis pop up message in OM (when provider orders a Fluoroquinolone and selects "UTI-Cystitis" as Rx Indication):

1. Replaced first line treatment "Gentamicin" with "Single-Dose Aminoglycosides (e.g., gentamicin)".

2. Replaced line "If documented sensitivity: Nitrofurantoin (cystitis only) or TMP/SM" with "If documented susceptibilities: Nitrofurantoin (cystitis only) or TMP/SMX".

3. Replaced line "For penicillin allergy options, see institutional guidelines." with "For options based on local susceptibilities and allergies, see institutional guidelines or contact pharmacy."
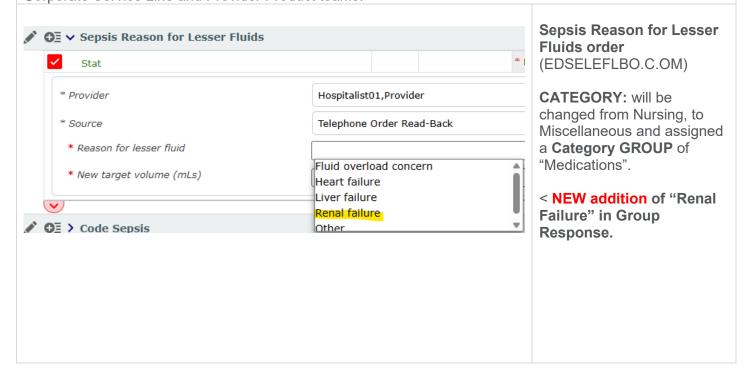
Expanse Order Enhancements
Sepsis Reason for Lesser Fluids

Changes go in effect: **Aug 20, 2025**

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On the Sepsis Reason for Lesser Fluids (EDSELEFLBO.C.OM) order, the group response for "Reason" was missing an option. "Renal Failure" will be added. In addition, the Category will be changed from "Nursing", to "Miscellaneous" and it will be assigned a Category GROUP of "Medications". No re-versioning of order, screen, queries or group responses is needed. These changes were made in collaboration with the Corporate Service Line and Provider Product teams.

Sepsis Reason for Lesser Fluids order (EDSELEFLBO.C.OM)

CATEGORY: will be changed from Nursing, to Miscellaneous and assigned a **Category GROUP** of "Medications".

< **NEW addition** of "Renal Failure" in Group Response.

MEDITECH Expanse TIP SHEET
Adult Nitroglycerin v5 Update

The current protocol for Nitroglycerin can be confusing for nurses and lead to titration errors. Current maximin titration verbiage is a direction to the provider rather than the nurse but is being interpreted as a titration by nursing.

Current Protocol

Updated Protocol

The following changes were made to Adult Nitroglycerin protocol in OM to align with V5 Adult Admin Criteria.

Maximum Rate of (mcg/min) every (minutes) queries have been removed and been replaced with Rules to alert providers when they enter values outside of accepted range

1. If the rate in query "Titrate by (mcg/min):" is greater than 20 mcg/min, a warning message **"Maximum titration rate of 20 mcg/min every 3-5 min"** appears. This is a hard stop warning, users will need to enter rate less than/equal to 20 mcg/min.

2. If the time in query "every (minute(s)):" is less than 3 minutes or greater than 5 minutes, warning message **"Maximum titration rate of 20 mcg/min every 3-5 min"** appears. This is a hard stop warning, users will need to enter time between 3 to 5 minutes to proceed.
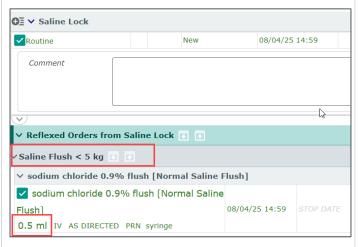
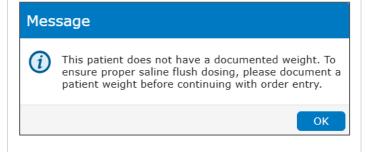Within Expanse, saline flushes reflex from the following orders:

- Saline Lock
- IV Insertion/Management
- Midline Management

In current state, one flush dosage reflexes for all patients (10 mLs).

These reflexes are being enhanced to reflex saline flush dosages that are based on the patient's age and weight. The dosing follows this structure:

Age	Weight	Dose
18 years old or older	Any weight	10 mL
Less than 18 years old	Greater than 50 kg	10 mL
Less than 18 years old	10 – 50 kg	2.5 mL
Less than 18 years old	5 – 10 kg	1 mL
Less than 18 years old	Less than 5 kg	0.5 mL

If these orders are entered on a patient less than 18 years old and no prior weight has been documented, users will receive a recommendation that a weight be documented before continuing with order entry.