

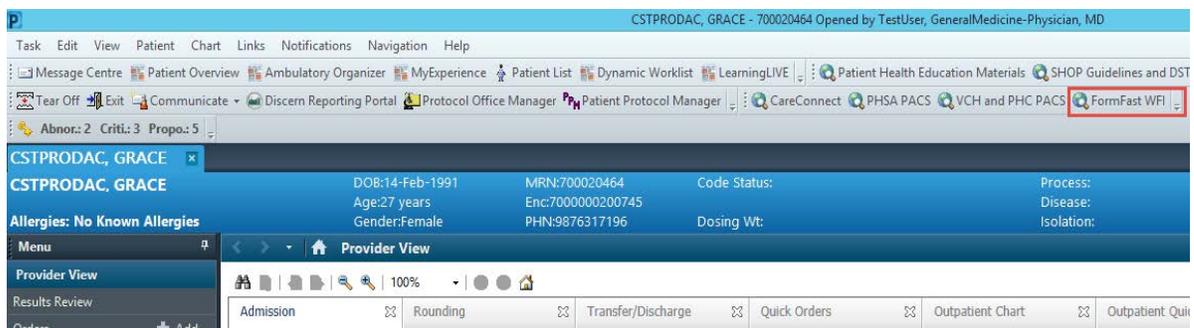
Inpatient – Pediatric Procedural Sedation

This skill sharpener will cover the ordering and documentation of procedural sedation in the inpatient pediatric setting:

Steps:

The **Provider** will complete the following:

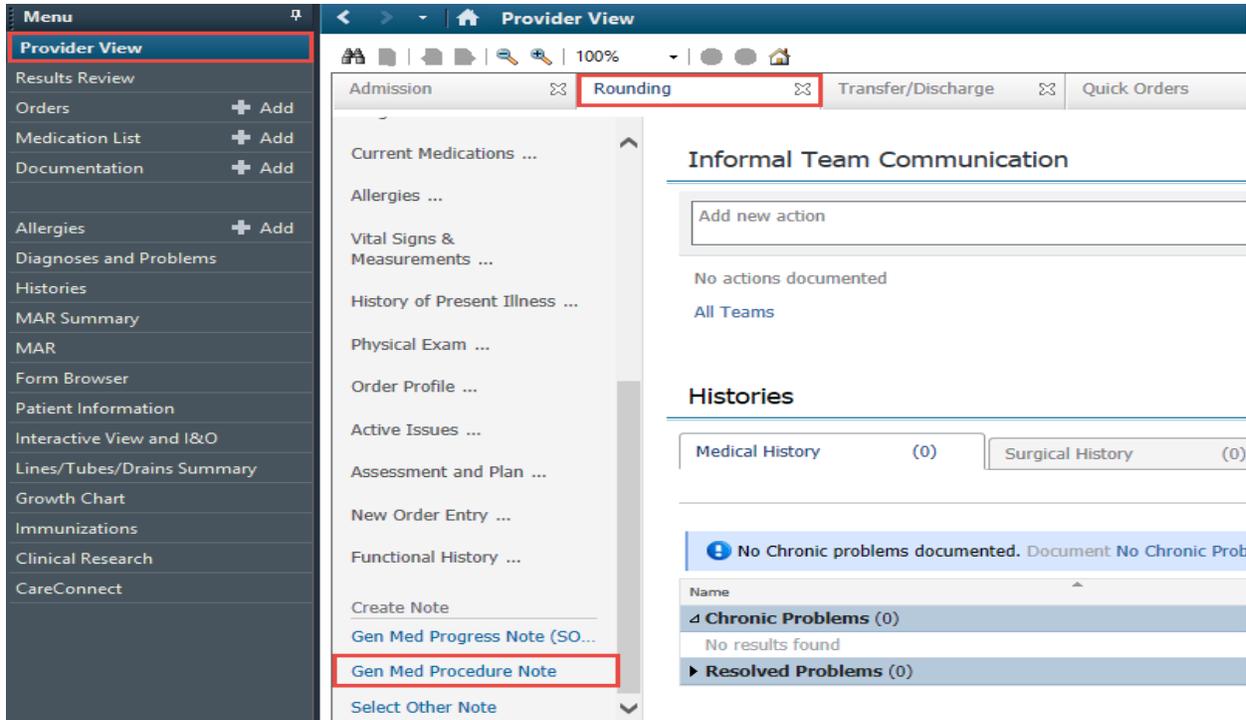
1. Place sedation orders or order set (including the procedure order) as applicable in the **New Order Entry** component of the **Quick Orders** tab in **Provider View**.
2. Print consent form from **FormFast** and obtain consent as required prior to procedure.



3. Perform procedure.
4. Place post-procedure orders as applicable in the **New Order Entry** component of the **Quick Orders** tab in **Provider View**.
5. Add the procedure into the **Surgical History** located in the **Histories** component of the **Admission** tab in **Provider View**.



6. Document procedure in the **Procedure Note** (for example: airway assessment, pre-procedure exam, ASA score, plan, medications given, and post-procedure exam).



Menu

- Provider View
- Results Review
- Orders + Add
- Medication List + Add
- Documentation + Add
- Allergies + Add
- Diagnoses and Problems
- Histories
- MAR Summary
- MAR
- Form Browser
- Patient Information
- Interactive View and I&O
- Lines/Tubes/Drains Summary
- Growth Chart
- Immunizations
- Clinical Research
- CareConnect

Provider View

Admission | **Rounding** | Transfer/Discharge | Quick Orders

Current Medications ...

Allergies ...

Vital Signs & Measurements ...

History of Present Illness ...

Physical Exam ...

Order Profile ...

Active Issues ...

Assessment and Plan ...

New Order Entry ...

Functional History ...

Create Note

- Gen Med Progress Note (SO...
- Gen Med Procedure Note**
- Select Other Note

Informal Team Communication

Add new action

No actions documented

All Teams

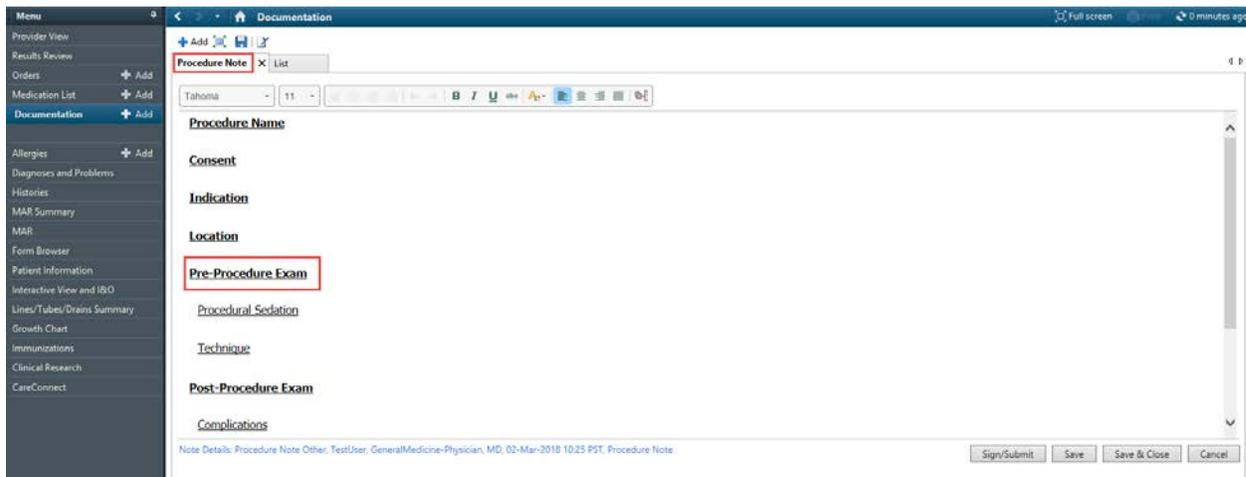
Histories

Medical History (0) | Surgical History (0)

No Chronic problems documented. Document No Chronic Prob

Name

- Chronic Problems (0)
- No results found
- Resolved Problems (0)



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Documentation

Procedure Note | List

Tahoma | 11

Procedure Name

Consent

Indication

Location

Pre-Procedure Exam

Procedural Sedation

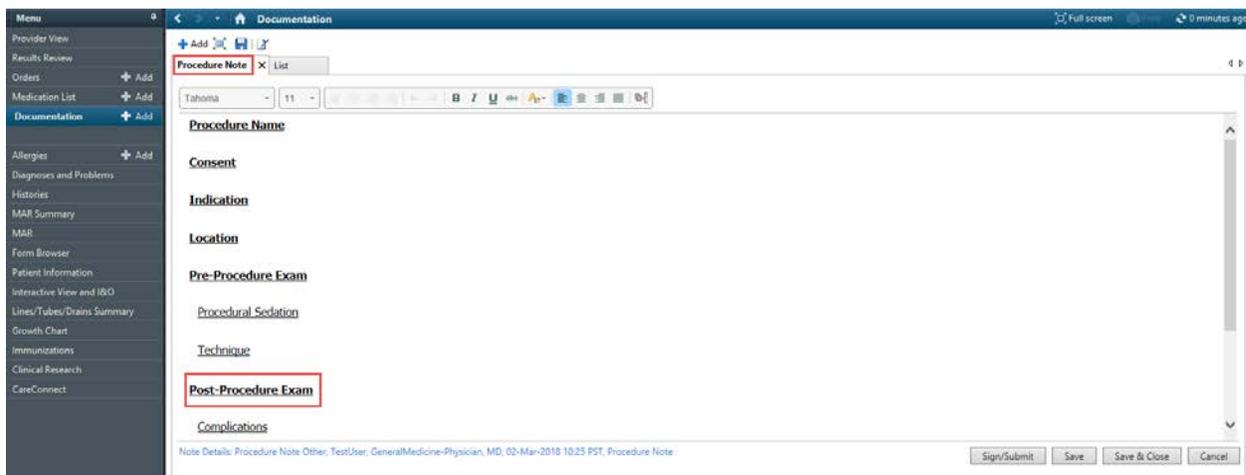
Technique

Post-Procedure Exam

Complications

Note Details: Procedure Note Other; TestUser; GeneralMedicine-Physician, MD, 02-Mar-2018 10:25 PST, Procedure Note

Sign/Submit | Save | Save & Close | Cancel



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Complications

Note Details: Procedure Note Other; TestUser; GeneralMedicine-Physician, MD, 02-Mar-2018 10:25 PST, Procedure Note

Sign/Submit | Save | Save & Close | Cancel

The **Nurse** or **Respiratory Therapist** will complete the following as per unit role:

1. Review orders.
2. Navigate to **Procedural Sedation** band in **Interactive View and I&O**. The assessments during the procedure can be completed within this band.

The screenshot shows the 'Interactive View and I&O' interface. On the left, a 'Menu' sidebar lists various options, with 'Interactive View and I&O' and 'Procedural Sedation' highlighted with red boxes. The main area displays a list of assessment items under the 'Procedural Sedation' band, including 'PAIN ASSESSMENT', 'End Tidal CO2', 'Level of Consciousness', and 'Procedural Sedation - Medication'.

3. Associate **BMDI Devices** as required.

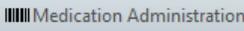
This screenshot shows the same 'Interactive View and I&O' interface, but with the 'Associate Device' button in the top toolbar highlighted with a red box. The 'PAIN ASSESSMENT' band is now selected in the main area, showing a detailed list of assessment criteria such as 'Pain Present', 'Respiratory Rate', 'Onset', 'Provoking', 'Palliating', 'Quality', 'Location', 'Laterality', 'Radiation Characteristics', 'Pain Comment', 'Secondary Pain Site', 'Additional Pain Sites', and 'Pain Tool Used'.

- Prior to sedation, assess patient as per policy. Documentation can be completed in the following sections: **Pain Assessment, Presedation Monitoring and Sedation Scales.**

The screenshot shows the EHR interface for a patient. The left sidebar contains a 'Menu' with various options. The main area is titled 'Interactive View and I&O'. A central pane lists categories like 'Pediatric Quick View', 'Pediatric Systems Assessment', and 'Procedural Sedation'. Under 'Procedural Sedation', 'PAIN ASSESSMENT' and 'Presedation Monitoring' are visible. The right pane displays a table for 'Presedation Monitoring' with columns for 'Result', 'Comments', 'Flag', and 'Date'. The table contains several rows of vital signs and monitoring data, including 'Temperature Oral', 'Temperature Tympanic', 'SBP/DBP Cuff', 'Mean Arperial Pressure, Cuff', 'SBP/DBP Arterial Line', 'Mean Arperial Pressure, Invasive', 'Apical Heart Rate', 'Peripheral Pulse Rate', 'Heart Rate Monitored', 'Cardiac Rhythm', 'Respiratory Rate', 'Respirations', 'SpO2', 'Oxygen Activity', 'Oxygen Therapy', 'Oxygen Flow Rate', 'End Tidal CO2', 'Pain Present', and 'Level of Consciousness'. The date and time shown are 05-Mar-2018 at 15:37 PST.

- In pediatric settings, navigate to the Pediatric Procedures band, and document Preprocedure Time Out with team as per site policy.

The screenshot shows the EHR interface for a patient named CSTPRODAC, GRACE. The top header displays patient information: DOB: 14-Feb-1991, MRN: 700020464, Code Status, Process, Age: 27 years, Enc: 7000000200745, Disease, Gender: Female, PHN: 9876317196, Dosing Wt, and Isolation. The left sidebar shows the 'Menu' with 'Interactive View and I&O' selected. The main area is titled 'Interactive View and I&O'. A central pane lists categories like 'Pediatric Quick View', 'Pediatric Systems Assessment', and 'Pediatric Procedures'. Under 'Pediatric Procedures', 'Preprocedure Time-Out' is selected. The right pane displays a table for 'Preprocedure Time-Out' with columns for 'Result', 'Comments', 'Flag', and 'Date'. The table contains several rows of checklist items, including 'Patient ID Band on and Verified', 'Allergy Visual Cue Present', 'Procedure Verification', 'Anesthesia Consent Signed', 'Procedure Consent Complete', 'Procedure Site Verified', 'Correct Patient Position', 'Procedure Comments', 'Time Out All Present Participate', and 'Participants Present for Procedure'. The date and time shown are 14:00 - 14:59 PST.

6. Navigate to the **MAR** and review medications for procedure.
 - Medications that are needed during the procedure will be **pre-drawn**; patient's wristband and medications will be scanned using the **Medication Administration Wizard**.
 Medication Administration
 - Scan each medication (scan appropriate number of vials needed for each dose) that will be used during procedure.
 - If the exact dose is lower than the vial, an “overdose alert” will appear. Over-ride the alert.
7. Draw up necessary medications into separate syringes (reconstituting as necessary).
8. Label correct drug and reconstitution dose on each syringe.
9. Click Medication Administration Wizard (MAW) button  on the toolbar.
10. Scan the first dose needed for each medication that will be used during procedure (scan appropriate number of vials or ampoules needed).



NOTE: If the first dose does not match the vial/ampoule concentration, the overdose/underdose alert may pop-up.

11. Enter the appropriate medication dosage that you are administering to your patient.



IMPORTANT: When the procedure concludes, you will need to return to the **MAR** and modify the doses given. Refer to steps 15 through 17 listed below.

12. In the **Procedural Sedation – Medication** section, click on the **Dynamic group** icon to initiate a medication grouping.
 - Select the appropriate medication.
 - Repeat as necessary for additional medications.

The screenshot shows the 'Interactive View and I&O' window. On the left is a navigation tree with 'Procedural Sedation - Medication' selected. The main area displays a list of monitoring parameters. A dropdown menu is open, showing a list of medications for selection. The list includes: Buscopan (mg), Fentanyl (mcg), Glucagon (mg), Ketamine (mg), Midazolam (mg), Phenylephrine (mcg), Propofol (mg), Rocuronium (mg), Succinylcholine (mg), and Other. The 'Procedural Sedation - Medication' section in the main area is highlighted with a red box.

IMPORTANT: During the procedure, you will document any medications administered in the cells titled **“Dose”** and **“Total Administered”**.

Procedural Sedation - Medication	
<Fentanyl (mcg)>	
Dose	
Total Administered	

13. During the procedure, document assessment in **Procedural Sedation/Analgesia Monitoring** section.

The screenshot displays a clinical software interface titled "Interactive View and I&O". On the left is a sidebar menu with categories like "Pediatric Quick View", "Pediatric Systems Assessment", "Pediatric Lines - Devices", "Pediatric Education", "Blood Product Administration", "Intake And Output", "Advanced Graphing", "Restraint and Seclusion", and "Procedural Sedation". Under "Procedural Sedation", sub-items include "PAIN ASSESSMENT", "Presedation Monitoring", "Procedural Sedation - Medication", "Procedural Sedation/Analgesia Monitoring" (highlighted in red), "Sedation Scales", and "Postsedation Monitoring".

The main area shows a table for "Procedural Sedation/Analgesia Monitoring" with a search bar and filter options (Critical, High, Low, Abnormal). The table includes columns for "Result", "Comments", "Flag", and "Date". The data row shows a timestamp of "05-Mar-2018 15:45 PST". Below the table are several expandable sections:

- Procedural Sedation/Analgesia Start Time**
- Procedure Start Time**
- SBP/DBP Cuff** (mmHg)
- Mean Arterial Pressure, Cuff** (mmHg)
- SBP/DBP Arterial Line** (mmHg)
- Mean Arterial Pressure, Invasive** (mmHg)
- Apical Heart Rate** (bpm)
- Peripheral Pulse Rate** (bpm)
- Heart Rate Monitored** (bpm)
- Cardiac Rhythm**
- Respiratory Rate** (br/min)
- Respirations**
- SpO2** (%)
- Oxygen Activity**
- Oxygen Therapy**
- Oxygen Flow Rate** (L/min)
- End Tidal CO2** (mmHg)
- Interventions Sedation**
 - Nonpharmacologic Sedation Interventions
 - Pain Present
 - Procedural Sedation Comments
- Sedation Scales**
 - Sedation Scale Used
- Postsedation Monitoring**
 - Sedation Monitoring Phase
 - Procedure Stop Time

14. At the end of the procedure, continue to assess patient as per policy. Documentation can be completed in the following sections: **Pain Assessment**, **Postsedation Monitoring**, and **Sedation Scales**.

15. Review **Procedural Sedation – Medication** section for total dosage of medication administered.

Procedural Sedation - Medication				
Fentanyl (mcg)				
Dose		25	25	25
Total Administered		75	50	25
Midazolam (mg)				
Dose		1	0	1
Total Administered		2	1	1

16. Navigate to **MAR**. Double-click on current time column for medication to open medication charting window.

Medications	05-Mar-2018 11:50 PST	05-Mar-2018 11:34 PST
PRN		
PRN fentanyl 25 mcg, IV, as directed, PRN other (see comment), drug form: inj, start: 05-Mar-2018 11:22 PST For Procedure		25 mcg Last given: 05-Mar-2018 10:50 PST
fentanyl Respiratory Rate		
PRN midazolam 1 mg, IV, as directed, PRN other (see comment), drug form: inj, start: 05-Mar-2018 ... for Procedure	Med Response	1 mg Last given: 05-Mar-2018 10:50 PST
midazolam		

17. Select **Modify**. The Medication Charting window appears.

midazolam (midazolam PRN range dose) dose range: 1 to 10 mg, IV, as directed, PRN pain-procedural, drug form: inj, start: 19-Mar-2018 11:25 PDT	PRN	Med Response	10 mg	Last given: 19-Mar-2018 15:55 PDT	
midazolam			* 2 mg Auth IV(verified)		
midazolam (midazolam PRN range dose) dose range: 1 to 5 mg, IV, q2min, PRN sedation, order duration: 3 doses/times, drug form: inj, start: 19-Mar-2018 15:43 PDT, stop: Limited # of times	PRN		5 mg	Last given: 19-Mar-2018 15:55 PDT	View Details... View Comments... View Order Info... Modify...
midazolam					Unchart...
morphine (morphine PRN range dose)	PRN		5 mg	Not given within 7 days.	Forward/Refuse...

18. Complete **back entry** for medications administered during procedure (while referencing the **Procedural Sedation – Medication** section.)

IMPORTANT: Ensure **Performed Time** is adjusted for each dose.

Charting for: CSTCD, QUEENSVIAZERO

fentanyl
25 mcg, IV, as directed, PRN other (see comment), drug form: inj, start: 05-Mar-2018 11:22 PST
For Procedure

***Performed date / time:** 05-Mar-2018 1136 PST

***Performed by:** TestCD, Nurse

Witnessed by:

Last Documented Administration: 05-Mar-2018 10:50:00 PST by TestCD, Nurse
fentanyl 25 mcg

Respiratory Rate: br/min

Acknowledge Respiratory Rate No Result found in previous 5 minutes. [Trend](#)

***fentanyl:** 25 mcg Volume: 0.5 ml

Diluent: <none> ml

***Route:** IV Site:

Reason: other (see comment)

Total Volume: 0.5 Infused Over: 0

05-Mar-2018 1000 PST 05-Mar-2018 1100 PST 05-Mar-2018 1200 PST 05-Mar-2018 1300 PST 05-Mar-2018 1400 PST 05-Mar-2018 1500 PST

NOTE: If any doses that were pre-drawn and were not administered during procedure, document **Not Given** and provide reason.

The screenshot shows a medical charting window titled "Charting for: CSTCD, QUEENSYLVIAZERO". The medication is "midazolam" with a dose of "1 mg, IV, as directed, PRN other (see comment), drug form: inj, start: 05-Mar-2018 11:23 PST for Procedure".

Fields include:

- *Performed date / time: 05-Mar-2018 1147 PST
- *Performed by: TestCD, Nurse
- Witnessed by: (empty)
- Medication not given within the last 5 days.
- *midazolam: 1 mg Volume: 1 ml
- Diluent: <none> ml
- *Route: IV Site: (empty)
- Reason: other (see comment)
- Total Volume: 1 Infused Over: 0

A table shows a timeline for 05-Mar-2018 from 1000 PST to 1500 PST. A "1" is entered under the 1100 PST column.

At the bottom, a red box highlights the "Not Given" checkbox and the "Reason:" dropdown menu.

19. Initiate post-procedure orders as required.

20. Disassociate BMDI Devices as required.

Related Topics

- Medication Administration
- Sedation

Key Words

- Procedural Sedation
- Multidose Syringe