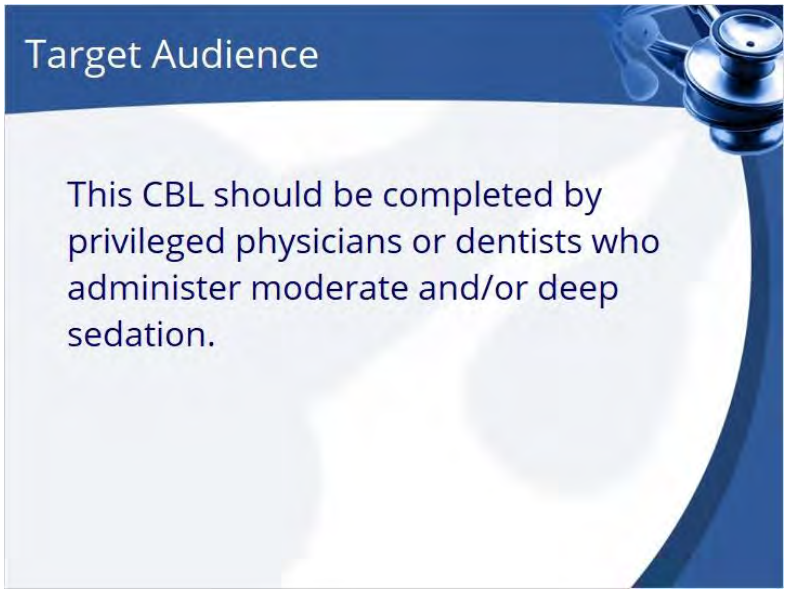
# Procedural Sedation-Analgesia for Medical Staff

## 1. Procedural Sedation and Analgesia 2017

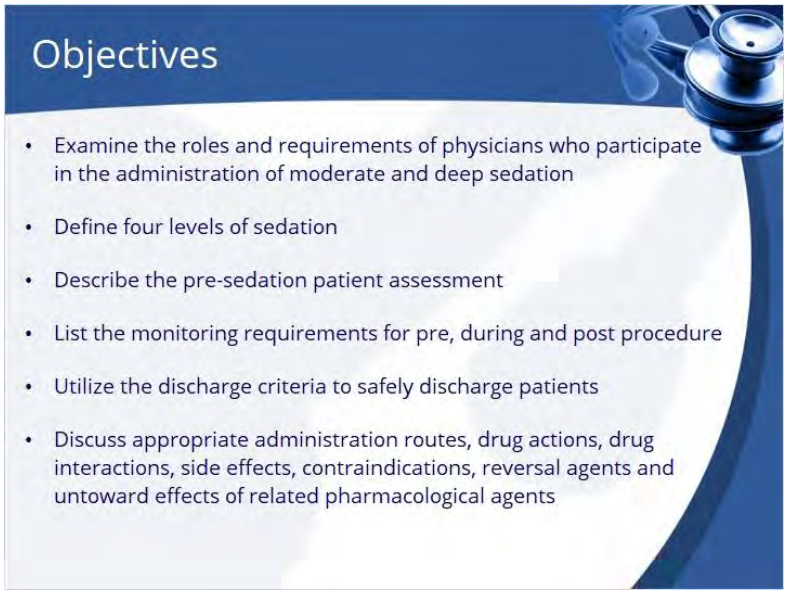
### *1.1 Procedural Sedation/Analgesia at MRH*


### *1.2 Medical Credentialing*

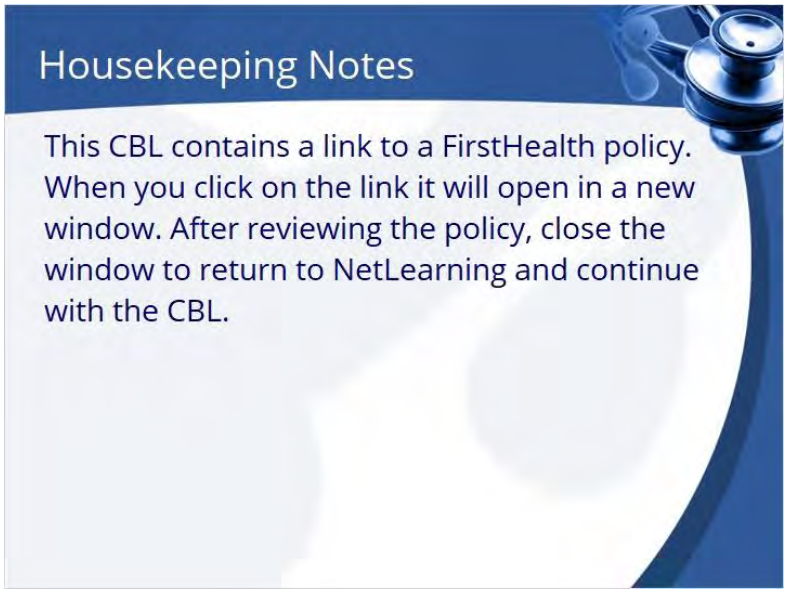
### *1.3 Target Audience*




### *1.4 Objectives*



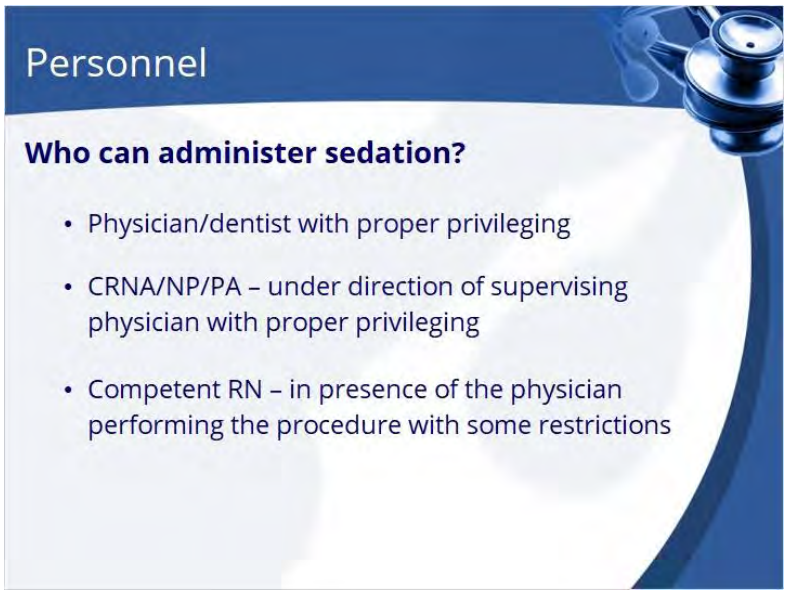
## *1.5 Housekeeping Notes*




**Notes:**

Include as necessary

## *1.6 Personnel*



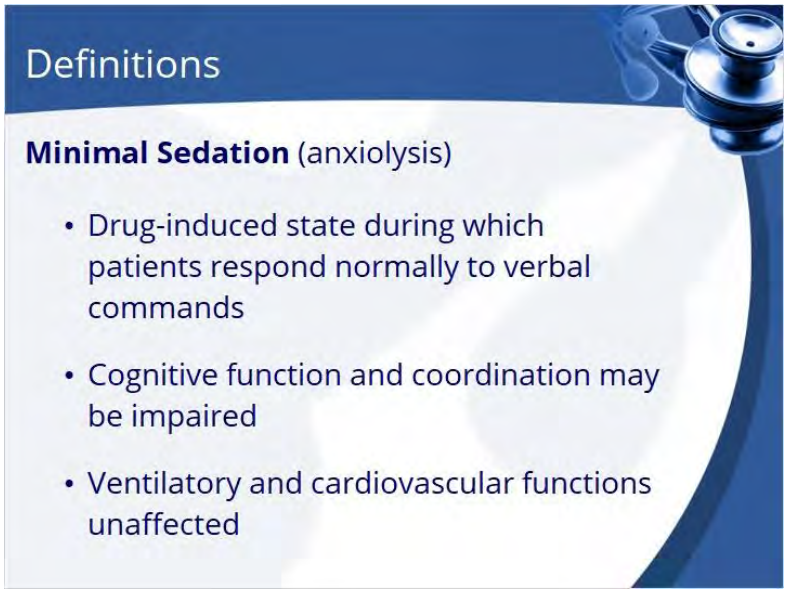
## *1.7 Education Requirements/*


## *1.8 Anesthetic Agents –*

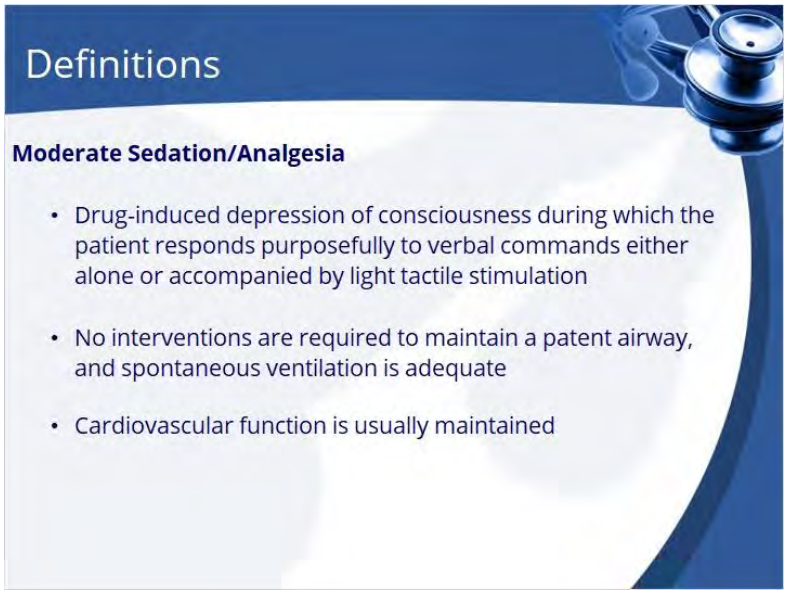
### *1.9 Moderate Sedation*


### *1.10 Definitions of*

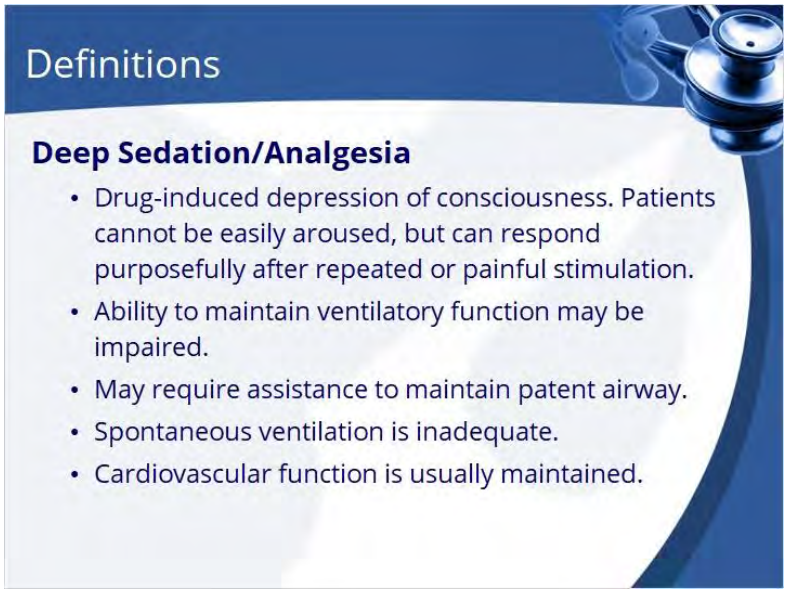
### *1.11 Definitions*



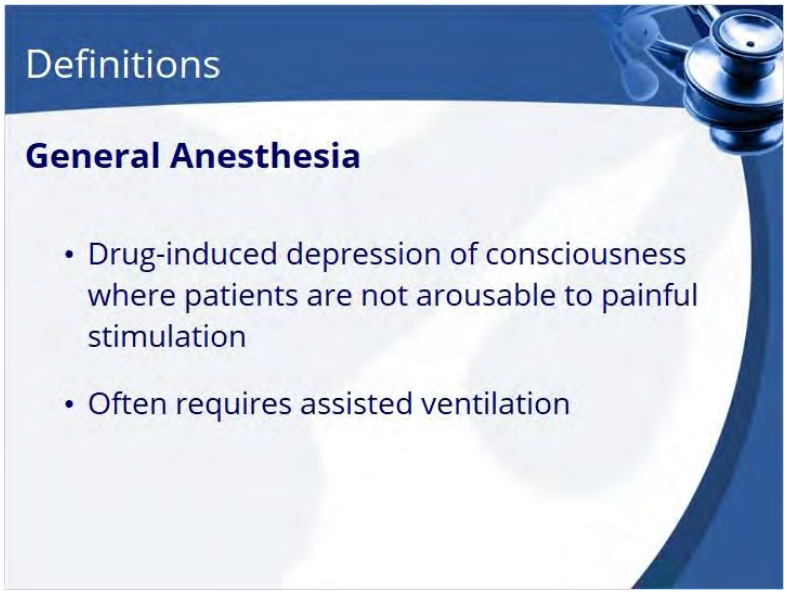

### *1.12 Definitions*



### *1.13 Definitions*

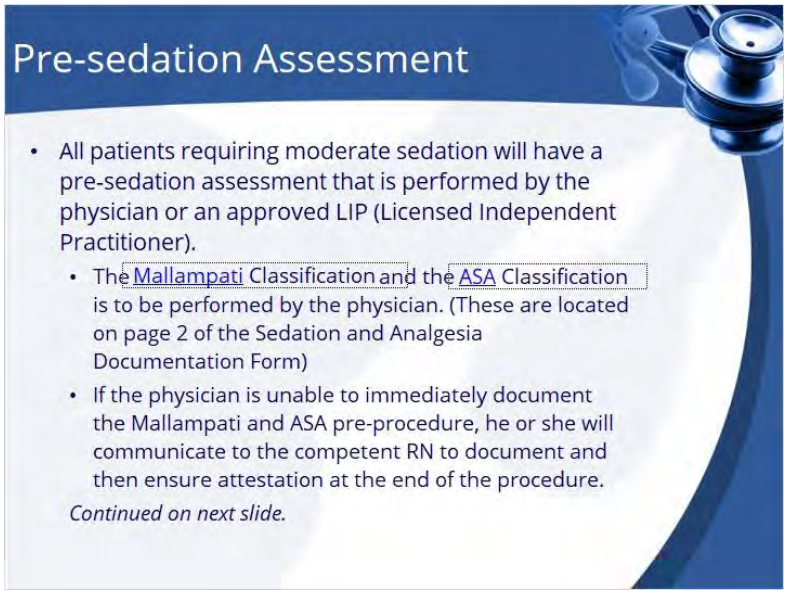



### *1.14 Definitions*

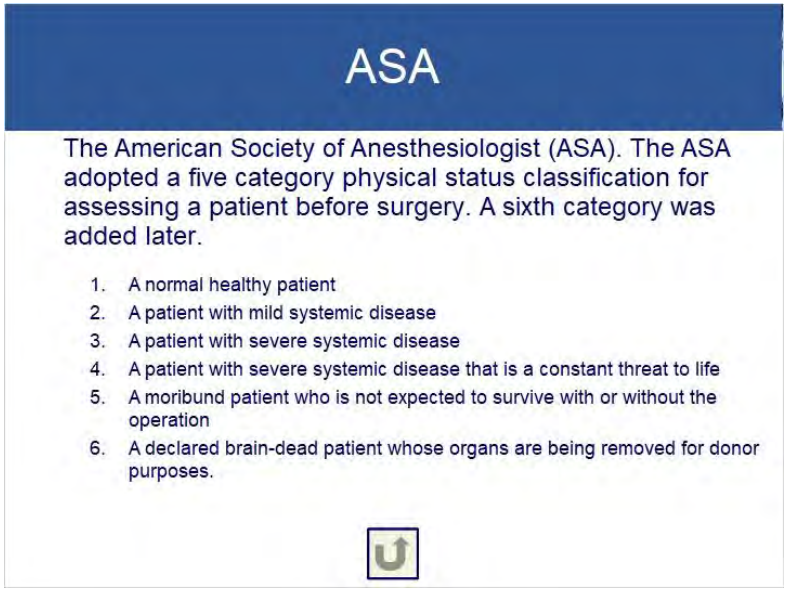


## *1.15 Pre-procedure*

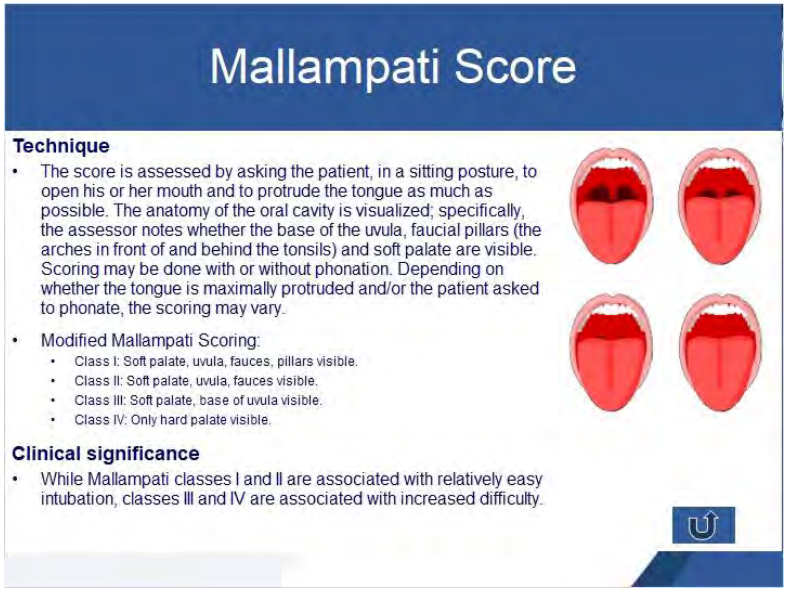

## *1.16 Pre-sedation Assessment*



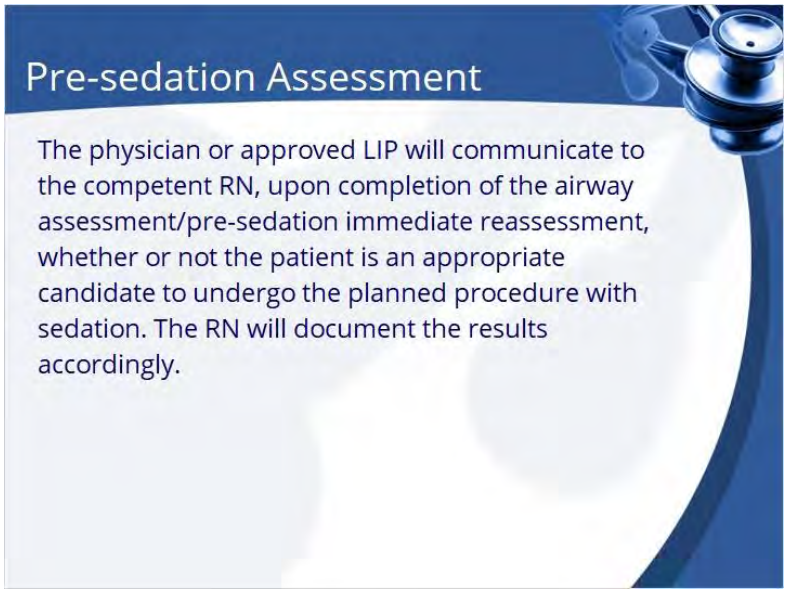
## ASA (Slide Layer)



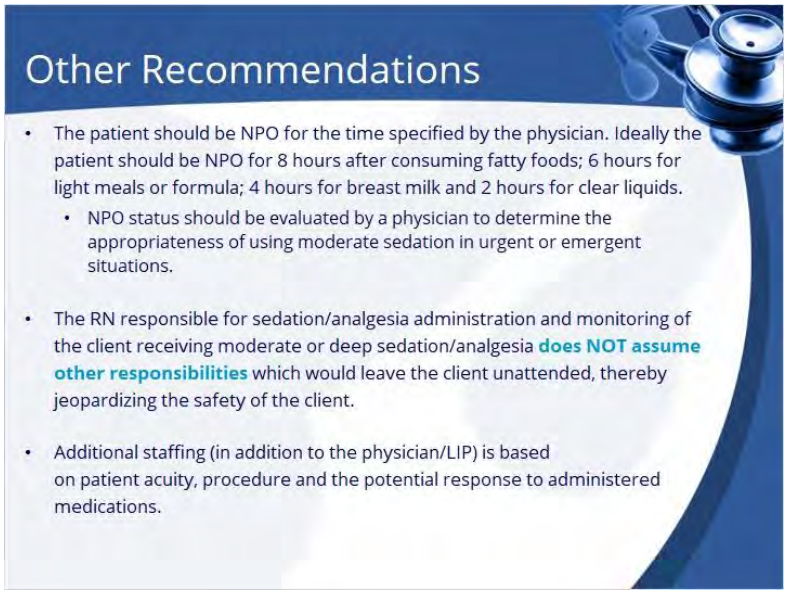

## Mallampati Score (Slide Layer)



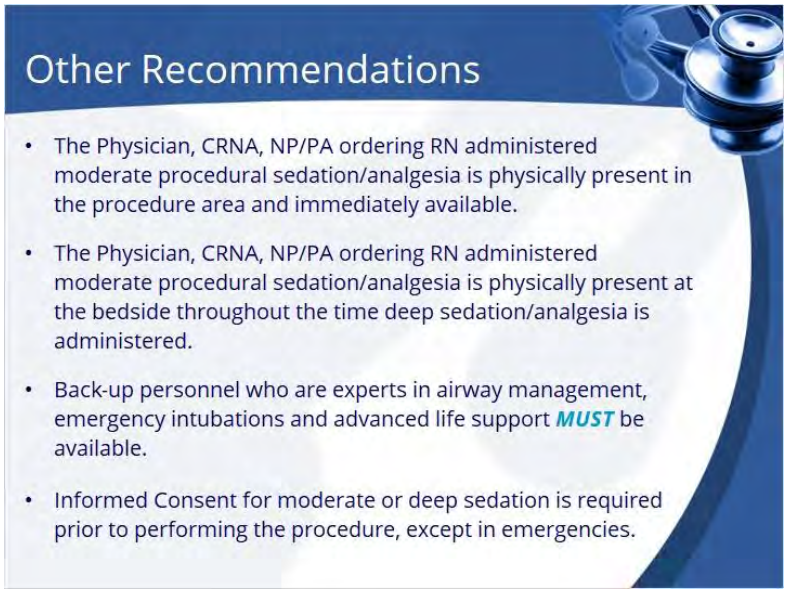
## *1.17 Pre-sedation Assessment*




## *1.18 Other Recommendations*

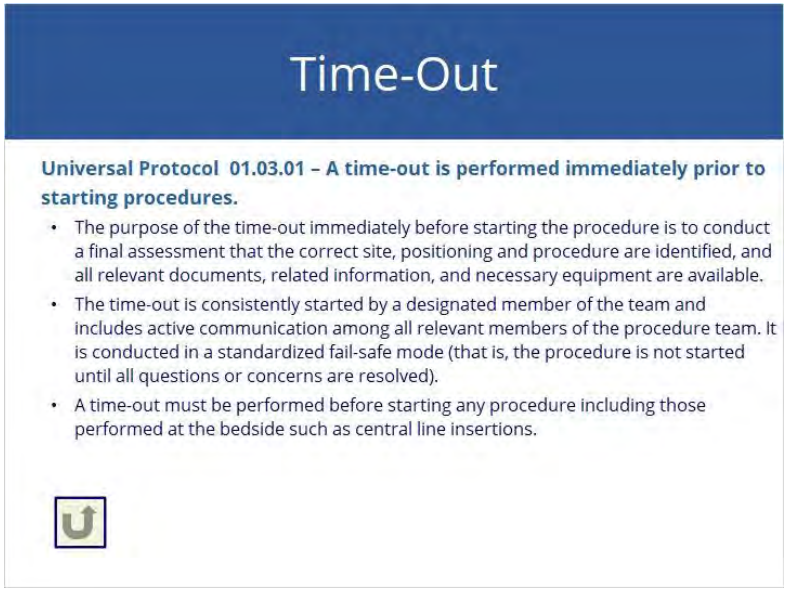


## *1.19 Other Recommendations*



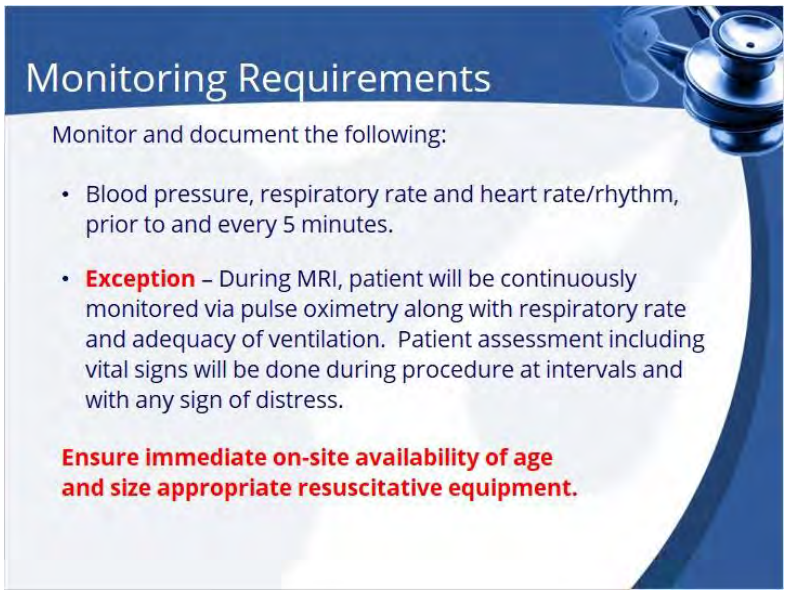

## *1.20*

**Time-Out (Slide Layer)**



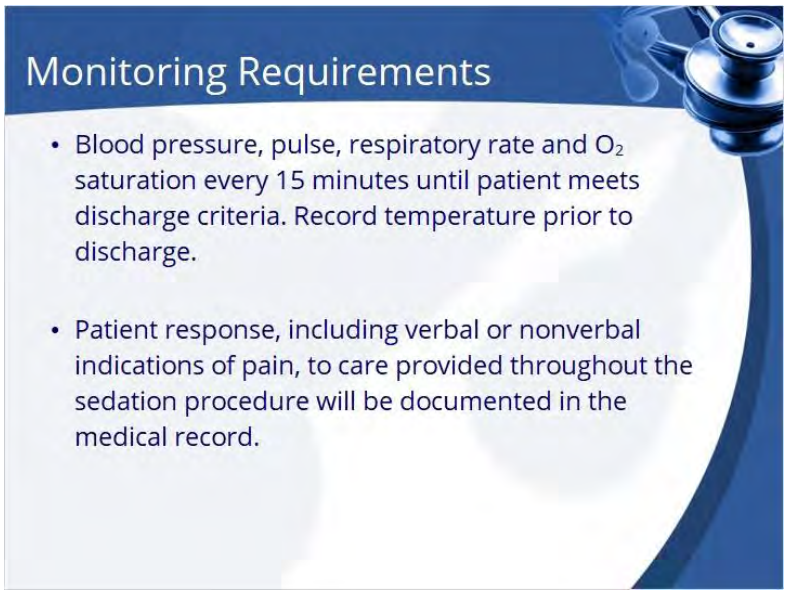

## *1.21 During Procedure*

***1.22***

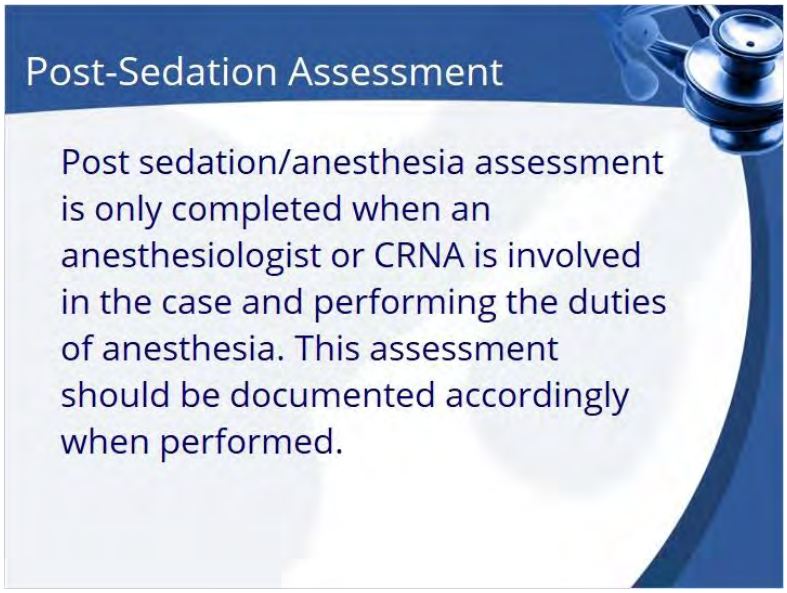



***1.23 Post Procedure***

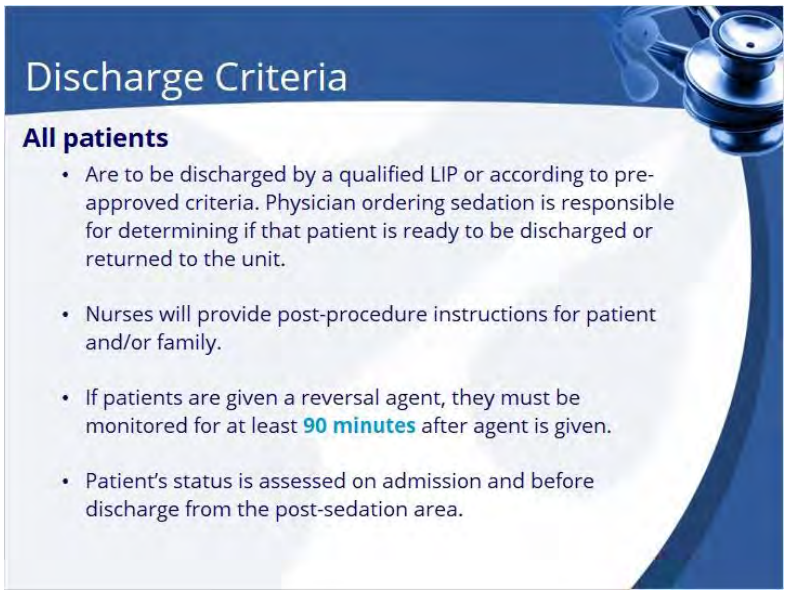
***1.24***


Monitoring Requirements
• Blood pressure, pulse, respiratory rate and $O_2$ saturation every 15 minutes until patient meets discharge criteria. Record temperature prior to discharge.
• Patient response, including verbal or nonverbal indications of pain, to care provided throughout the sedation procedure will be documented in the medical record.

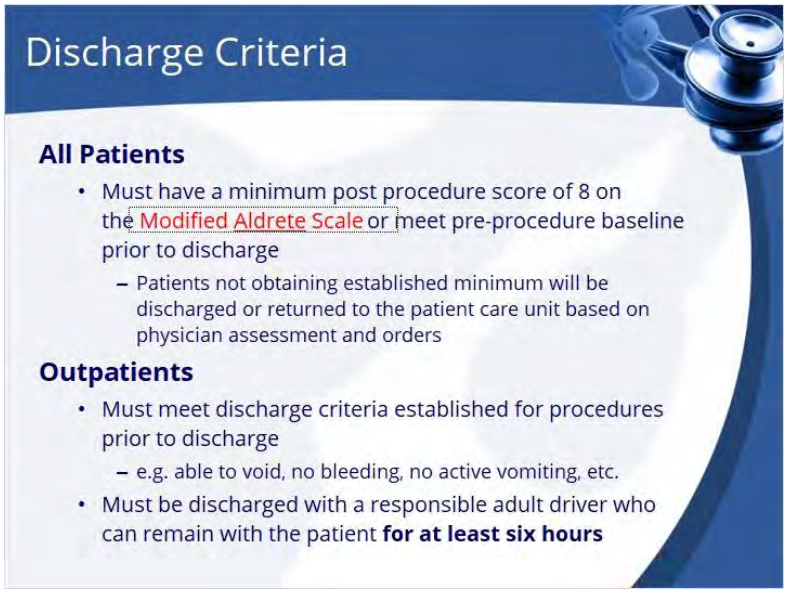
***1.25***


Post-Sedation Assessment
Post sedation/anesthesia assessment is only completed when an anesthesiologist or CRNA is involved in the case and performing the duties of anesthesia. This assessment should be documented accordingly when performed.

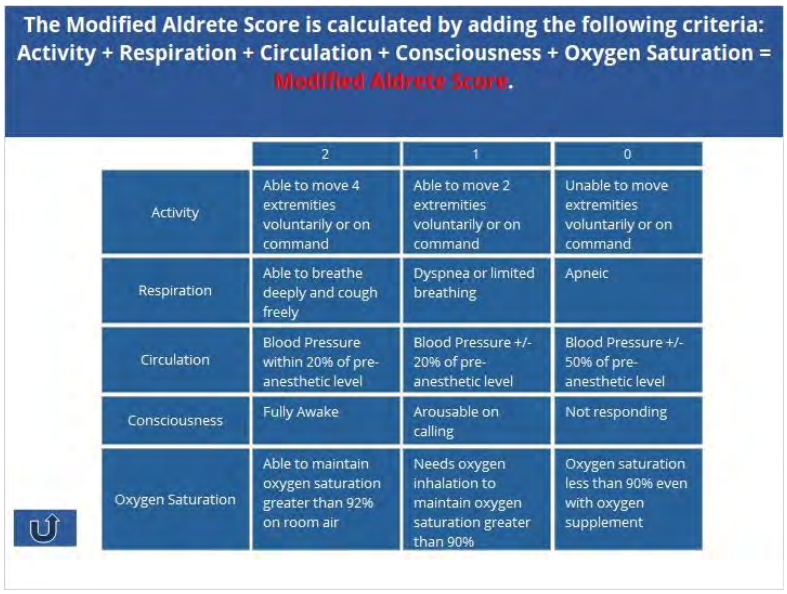
***1.26***


Discharge Criteria
All patients
• Are to be discharged by a qualified LIP or according to pre-approved criteria. Physician ordering sedation is responsible for determining if that patient is ready to be discharged or returned to the unit.
• Nurses will provide post-procedure instructions for patient and/or family.
• If patients are given a reversal agent, they must be monitored for at least 90 minutes after agent is given.
• Patient's status is assessed on admission and before discharge from the post-sedation area.

***1.27***

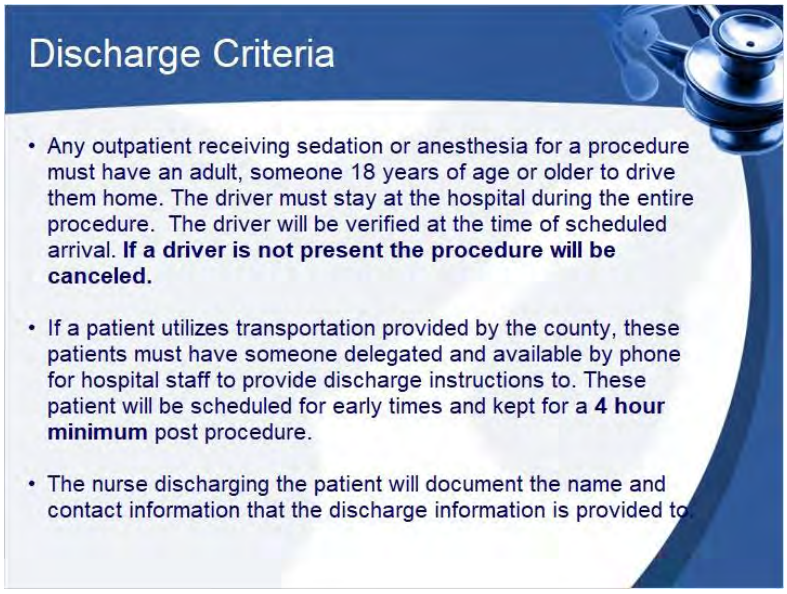

Discharge Criteria
All Patients
• Must have a minimum post procedure score of 8 on the Modified Aldrete Scale or meet pre-procedure baseline prior to discharge
– Patients not obtaining established minimum will be discharged or returned to the patient care unit based on physician assessment and orders
Outpatients
• Must meet discharge criteria established for procedures prior to discharge
– e.g. able to void, no bleeding, no active vomiting, etc.
• Must be discharged with a responsible adult driver who can remain with the patient for at least six hours

## Untitled Layer 1 (Slide Layer)

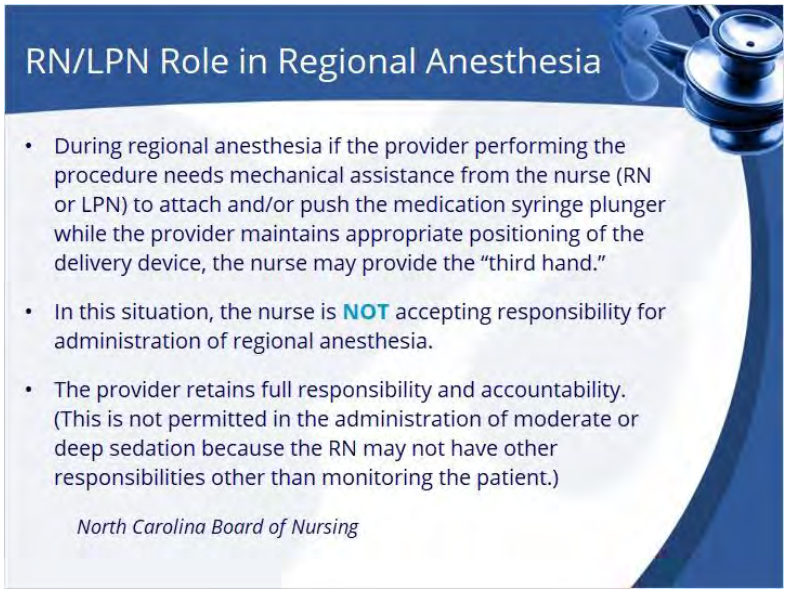



| | 2 | 1 | 0 |
|---|---|---|---|
| Activity | Able to move 4 extremities voluntarily or on command | Able to move 2 extremities voluntarily or on command | Unable to move extremities voluntarily or on command |
| Respiration | Able to breathe deeply and cough freely | Dyspnea or limited breathing | Apneic |
| Circulation | Blood Pressure within 20% of pre-anesthetic level | Blood Pressure +/- 20% of pre-anesthetic level | Blood Pressure +/- 50% of pre-anesthetic level |
| Consciousness | Fully Awake | Arousable on calling | Not responding |
| Oxygen Saturation | Able to maintain oxygen saturation greater than 92% on room air | Needs oxygen inhalation to maintain oxygen saturation greater than 90% | Oxygen saturation less than 90% even with oxygen supplement |

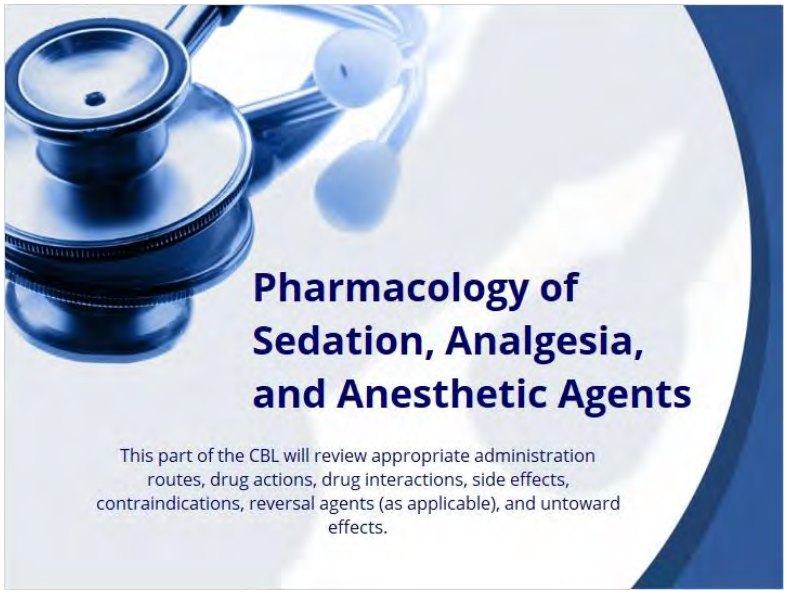
## *1.28 Discharge Criteria*



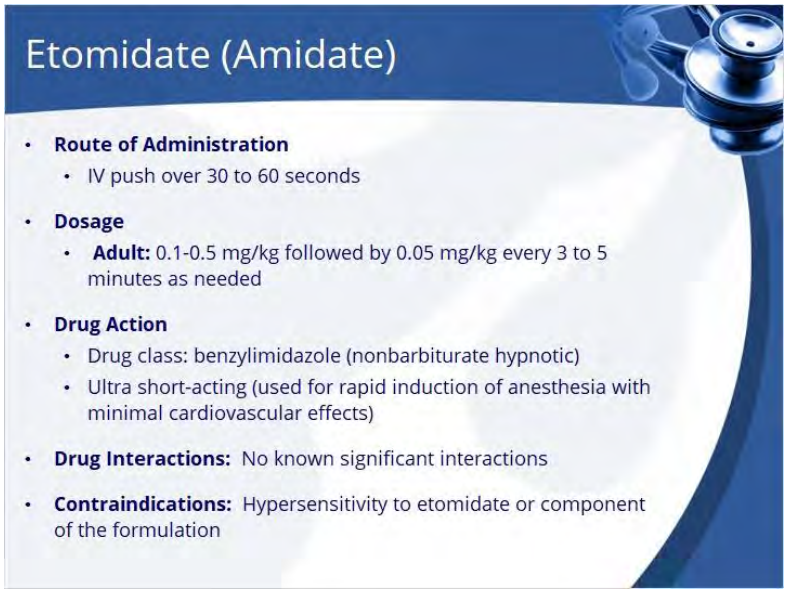
## *1.29 RN/LPN Role in Regional Anesthesia*



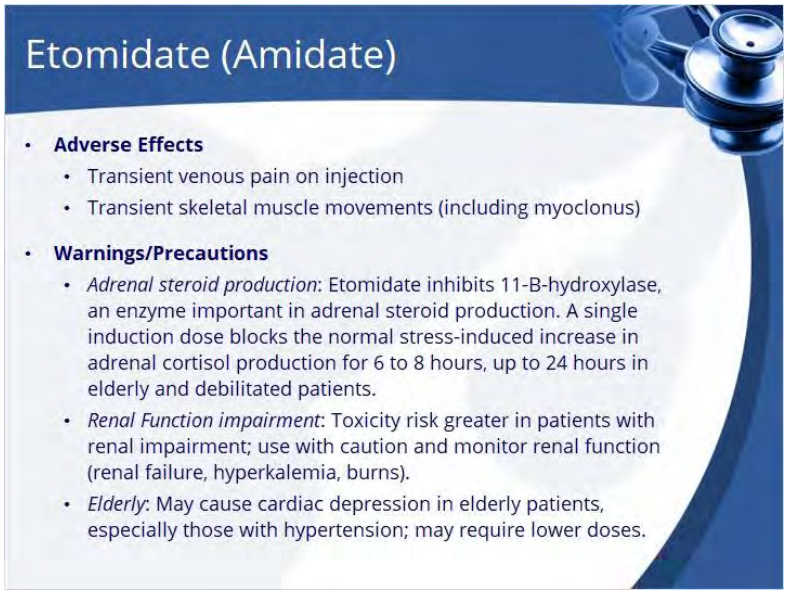

## *1.30 Pharmacology of Sedation, Analgesia, and Anesthetic Agents*



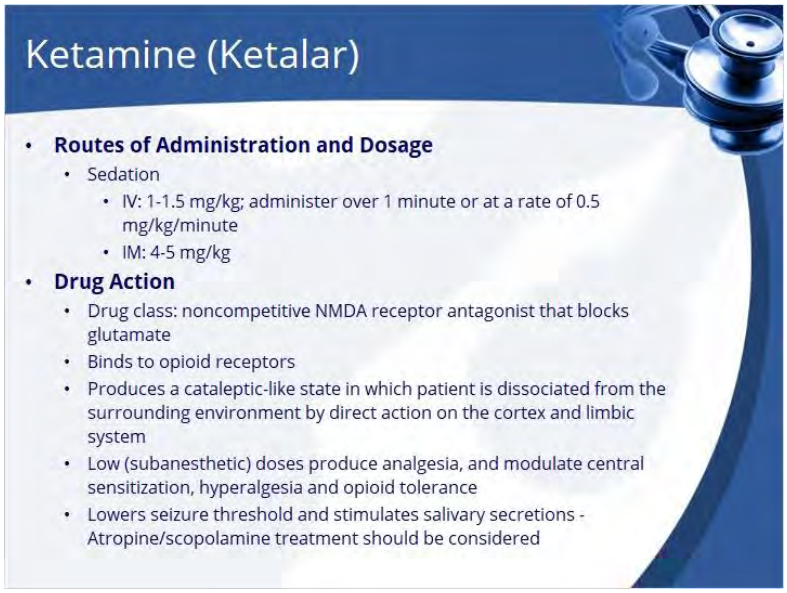
## *1.31 Etomidate (Amidate)*



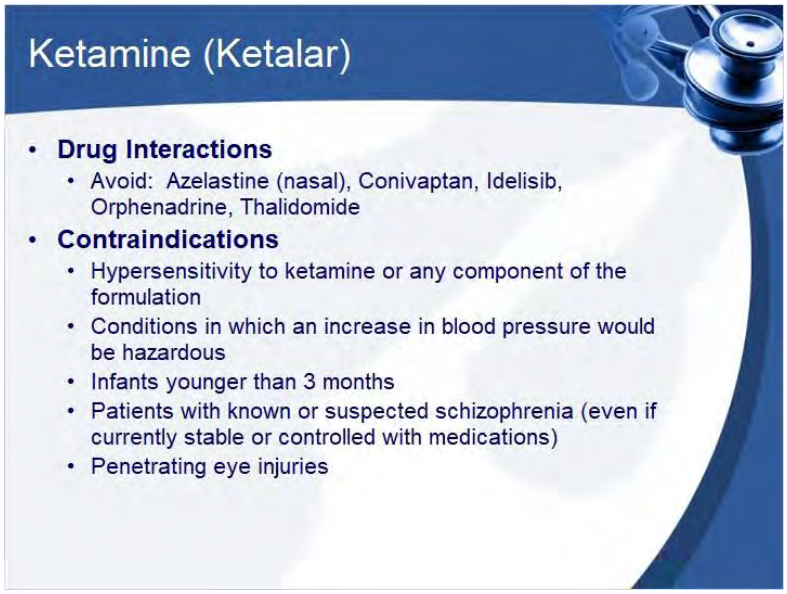

## *1.32 Etomidate (Amidate)*



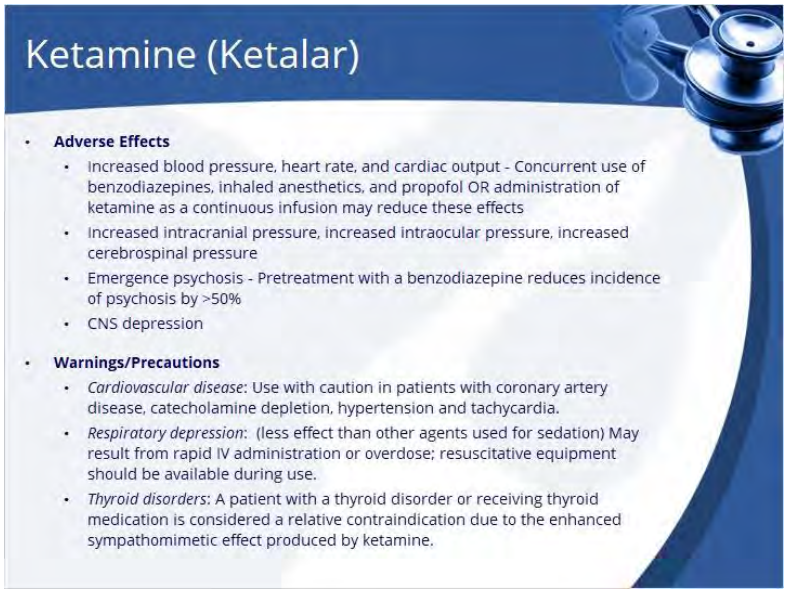
## *1.33 Ketamine (Ketalar)*




## *1.34 Ketamine (Ketalar)*

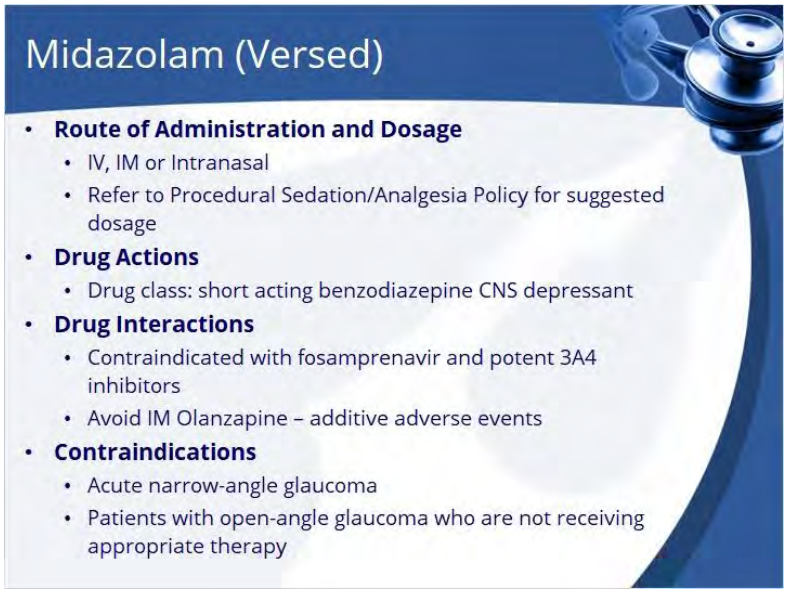


## *1.35 Ketamine (Ketalar)*

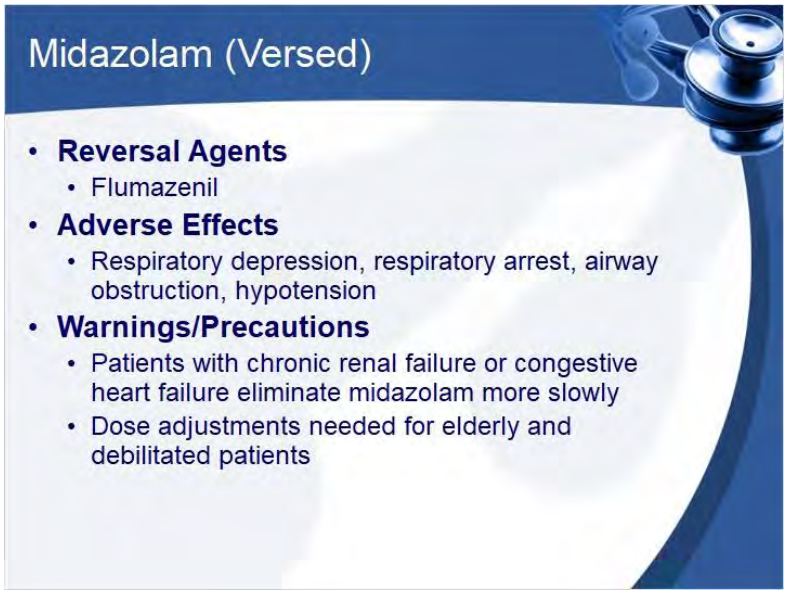



## *1.36 Propofol (Diprivan)*

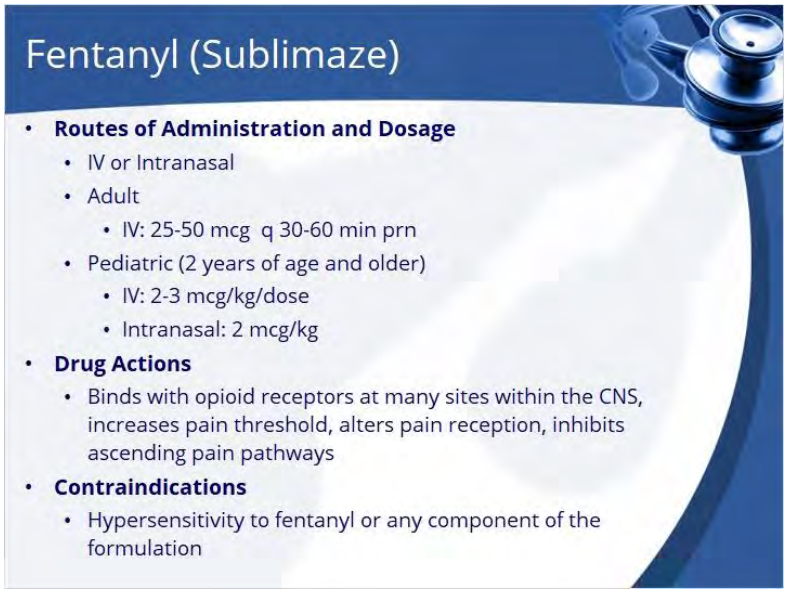
## *1.37 Midazolam (Versed)*



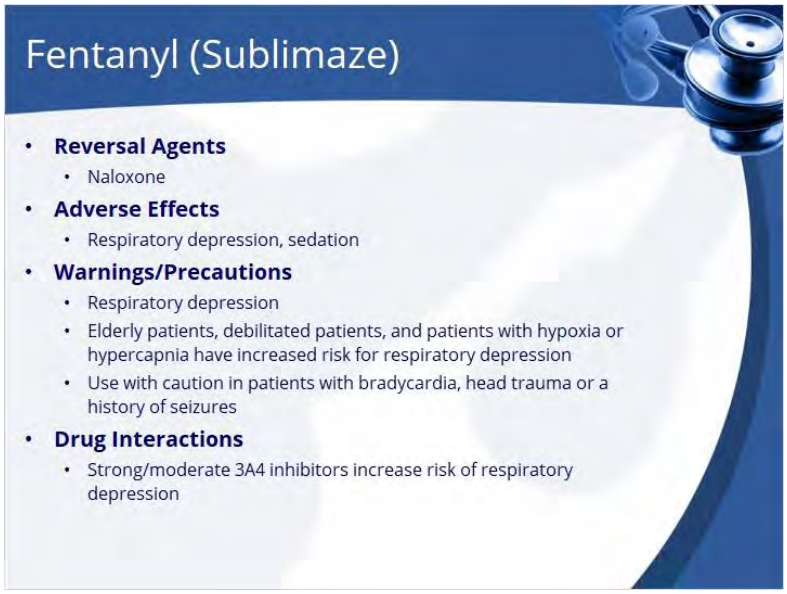

## *1.38 Midazolam (Versed)*



## *1.39 Fentanyl (Sublimaze)*

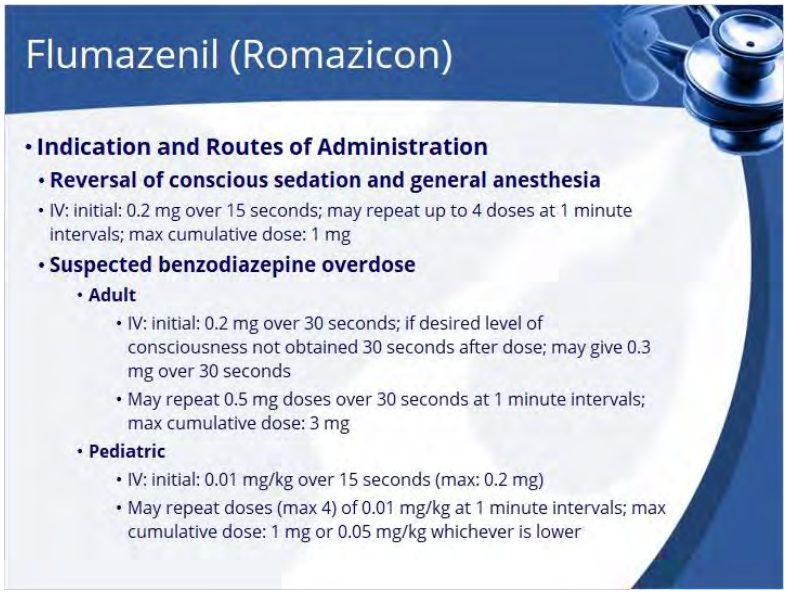



## *1.40 Fentanyl (Sublimaze)*

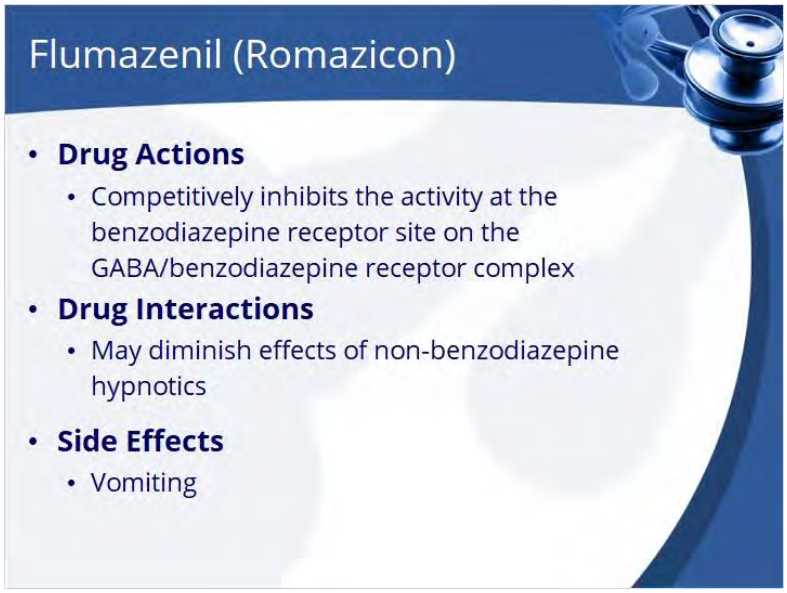


## *1.41 Reversal Agents*

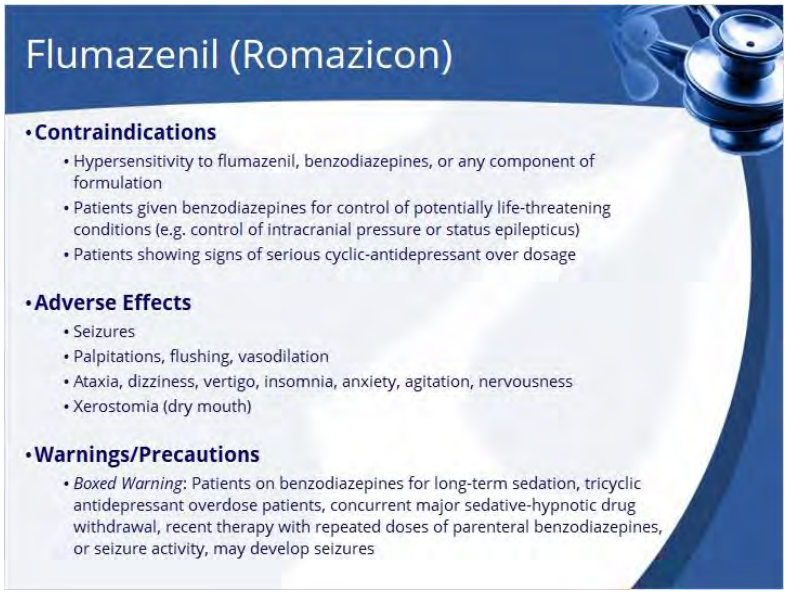

## *1.42 Flumazenil (Romazicon)*



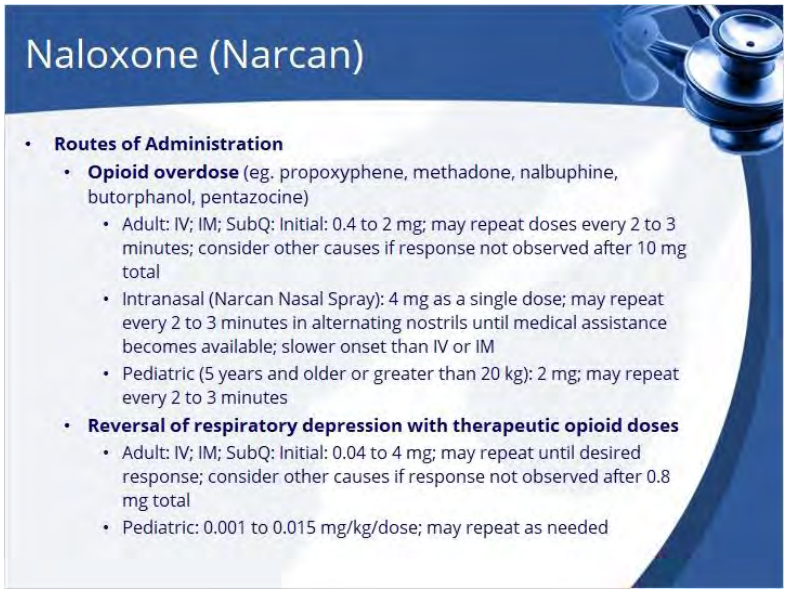
## *1.43 Flumazenil (Romazicon)*



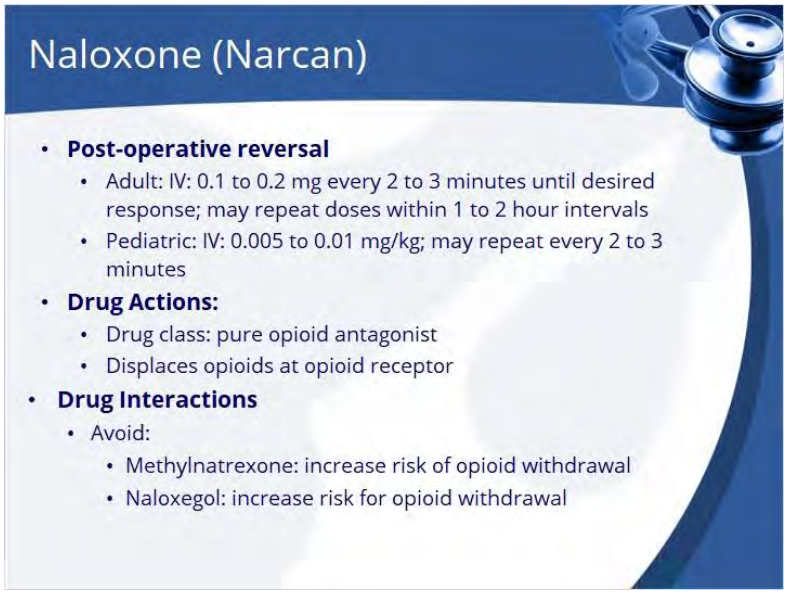

## *1.44 Flumazenil (Romazicon)*



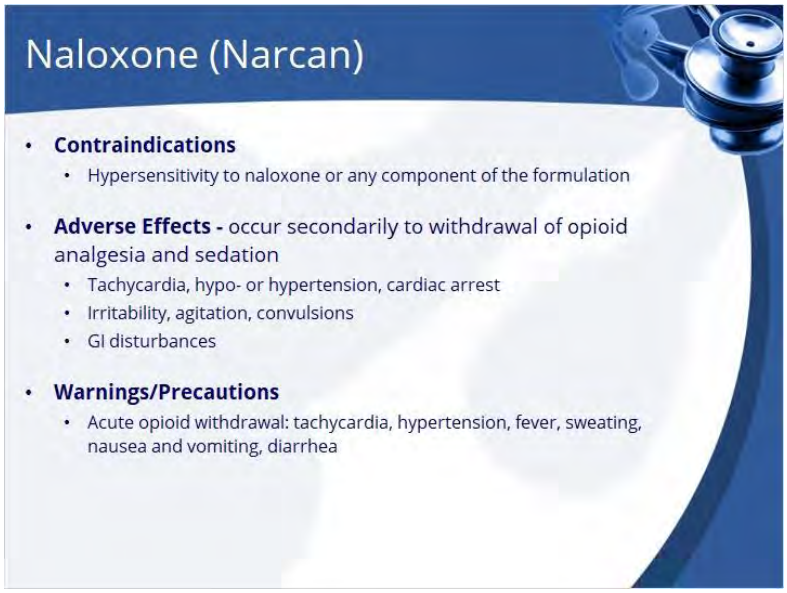
## *1.45 Naloxone (Narcan)*



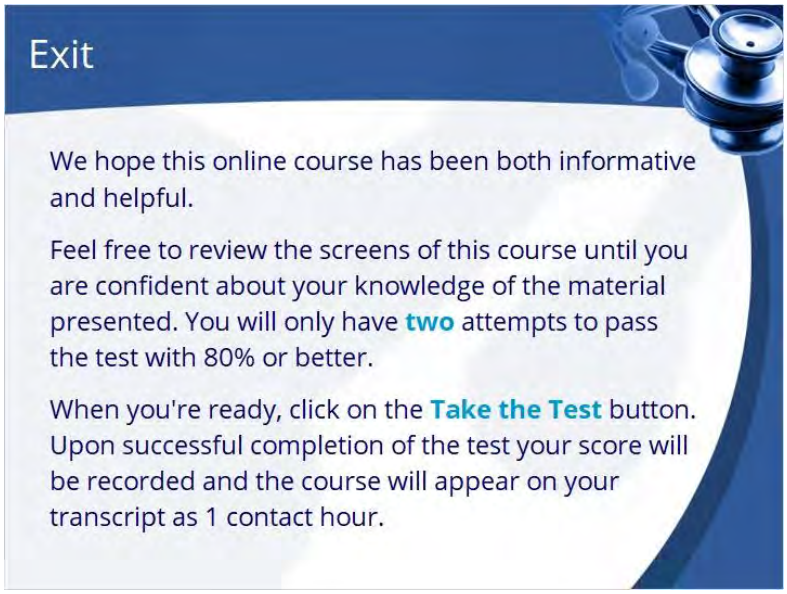

## *1.46 Naloxone (Narcan)*



## *1.47 Naloxone (Narcan)*




## *1.48 Exit*




**Notes:**