

Introduction

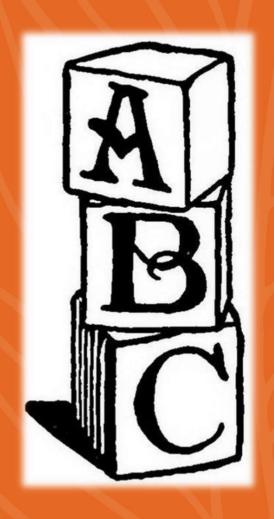
Quick Bio

- RN Experience
- Castle ICU

Why ABCDEF Bundle?

- Quality Improvement Process since 2013
- Updated guidelines in 2018





Objectives

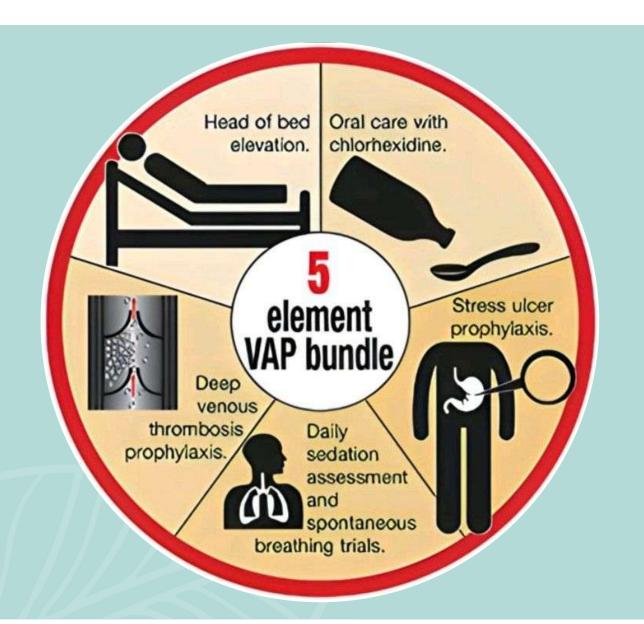
- ➤ Define each component of the bundle
- > Define the disciplines involved in the process
- > Barriers to bundle implementation
- > Positive outcomes from process implementation

A - Assess

- Assess the patient
 - Why is the patient ventilated?
 - What are the goals of therapy?
 - What is the response to therapy?
- Assess, prevent & manage pain
 - CPOT Critical Care Observation Tool
 - Pharmacologic
 - Non-pharmacologic
- Assess & prevent infection
 - VAP Bundle
 - Prophylactic antibiotics
 - Equipment
 - Proper nutrition



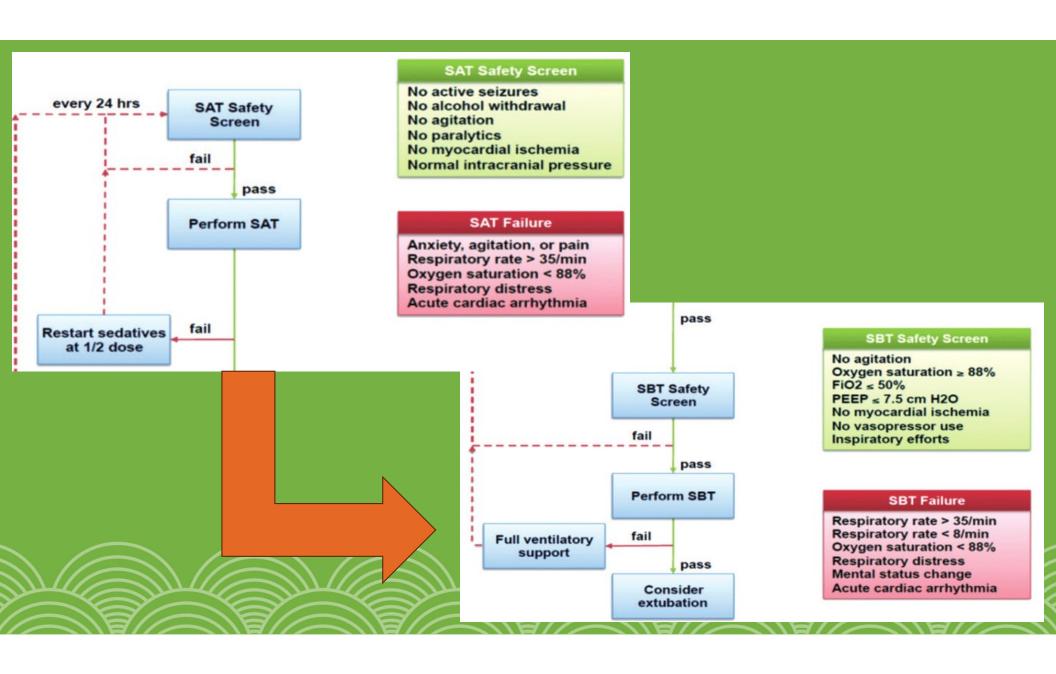
Critical care Pain Observation Tool CPOT [60al < 3]*Relaxed Facial Expressions 0 ♥ Tense Srimacing ! W None Body Movements Protection **PRestless PRelaxed** Muscle Tension 0 ♥ Tense **Prigid** Tolerating Vent Compliance 0 Coughing . ♥ Fighting W Normal Vocalization **Woaning** Crying out loud



B – Breathing Trials



- SAT Spontaneous Awakening Trial
 - Inclusion/Exclusion criteria
 - Pass/Fail criteria
 - Perform daily & reassess every 24hrs
- SBT Spontaneous Breathing Trial
 - Criteria prior to SBT
 - Pass/Fail criteria
 - Weaning trial >> extubation?
 - Assess daily
- Follow facility policy & procedure
- Unable to wean?





C - Choice of Sedation and/or Analgesia

- Assess patient & dx
 - Contraindications
 - Hemodynamics
 - Tolerance
- Assess for pain & anxiety
 - Risk of self-extubation
 - Ventilator asynchrony
- RASS Goals
 - Off breathing trial = (-2)
 - On breathing trial = (0)

- **Medications**
 - Anesthetics
 - Analgesics
 - Anxiolytics
 - Paralytics



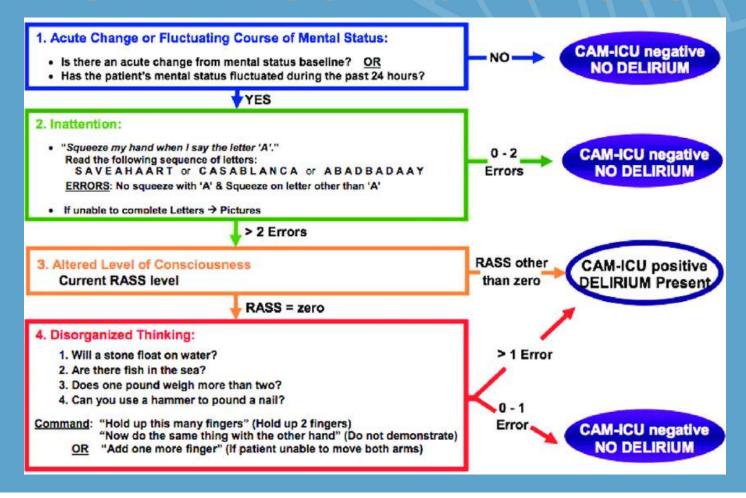


D - Delirium



- Assess CAM-ICU
 - Stop
 - THINK: identify cause
- Prevent
 - Daily SAT
 - Orientation/Re-orientation
 - Promote quality sleep
 - Family collaboration
- Manage
 - Sleep aids
 - Medication management
 - Nonpharmacological

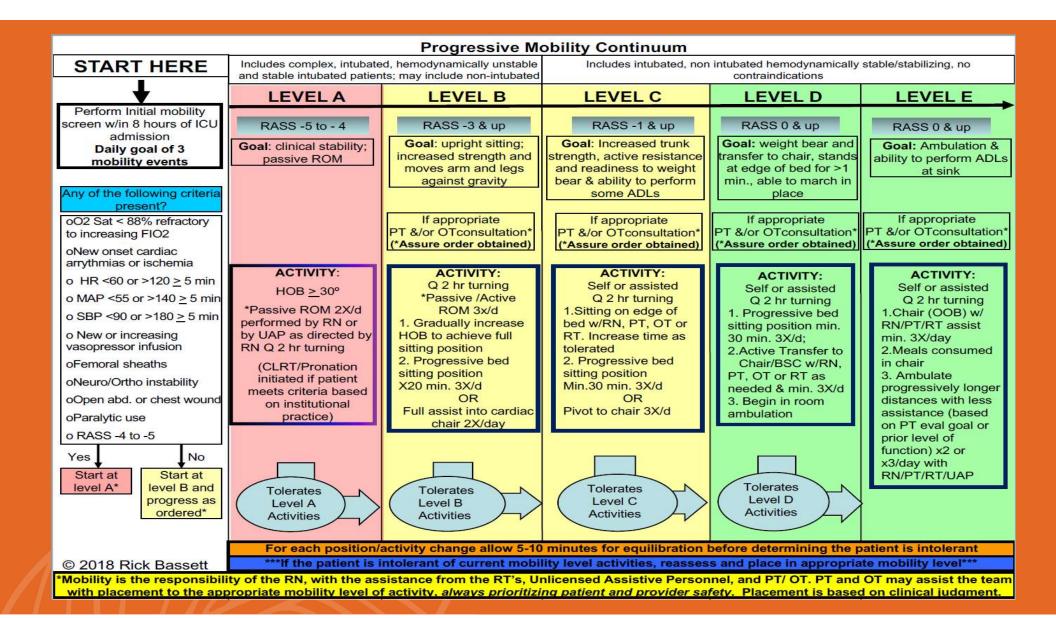
CAM-ICU Flowsheet



E – Early Mobility & Exercise

- Assess
 - MOVEN: screen for safety
 - Absolute contraindications
- Multi-Disciplinary Approach
 - Progressive mobility continuum
 - Levels A E
- Benefits to therapy
 - †Gas exchange
 - Mobilize secretions
 - ↑ROM
 - J DVTs
 - \pressure injuries





Progressive Mobility Protocol

Level Bed

Level Dangle



Level Chair



Level Ambulation



- Passive/Active ROM TID
- Turn Q2 hours
- Active-resistance exercises
- Sitting position 20 min TID.
- Consult PT/OT if can't progress to Level 2
- Level 1 Interventions
- Dangle edge of bed w/feet on floor
- Mechanical lift to chair
- Consult PT/OT if can't progress to Level 3

Goal: Sitting upright and able to move leg against gravity

- Level 2 Interventions
- ≥20 min 2 x/day
- Consult PT/OT if require assistive device to get to chair

Level 2 & 3:

cushion for Use pressure relief in chair

Goal: Increased strength, stands w/min to mod assist

- Level 3 Interventions
- Active transfer to chair Active transfer to chair ≥20 min 3 x/day]
 - Ambulation (marching in place, walking in halls)
 - Consult PT/OT for first time walking in the room on ventilator

Goal: Strength and distance walk

Goal: Clinical stability and able to move arm against gravity

F- Family Engagement & Empowerment



Communication

- Patient-centered care
- Keep patient & family informed

Education

Medical terms/procedures/devices

Collaboration

- Goals of care discussions
- Participation in care
- Physical & emotional support

Multi-Disciplinary Approach

- Physicians
- Nursing
- * Respiratory Therapists
- Pharmacists
- * Rehabilitation
- **❖** Dietician
- ***** Case Management
- Social Workers
- Chaplain



Barriers to Bundle Implementation



- Knowledge Deficit
- Communication & Care Coordination
- Inadequate Resources
- Documentation Burden
- Patient Factors
- Family Discomfort

Positive Outcomes

- > Reduced days on ventilator
 - Prevent Ventilator Associated Events (VAE)
- > Decrease ICU delirium
 - > Reduced restraint use
- > Decreased ICU/Hospital length of stay
 - Reduced healthcare costs
- > Improve patient outcomes & satisfaction
 - > Improved survival





Thank you!

Questions ???

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