

Ethics in Critical Care?

SYRELL RODRIGUEZ CARRERAS, MD
TRAUMA, CRITICAL CARE & ACUTE CARE SURGERY
STICU MEDICAL DIRECTOR



Objectives

- Case based discussion on ethical scenarios that we encounter in the ICU
- Review strategies for having difficult conversations
- > Discuss the resources available to the team for dealing with difficult situations
- Review healthy strategies for coping

Disclaimer

- > I am not an expert in ethics nor a member of the CAMC Ethics team
- The cases to be presented have been altered (do not have any identifying patient information) in order to be HIPAA compliant
- Very grey area of medicine and answers/decisions WILL vary depending on attending physician/circumstances

- > 18 yo s/p GSW to head:
 - > GCS 3T, HD unstable, PE: brain matter visible
 - > Present reflexes: cough, breathing over the ventilator
- "CGI are the most lethal of all firearm injuries, with reported survival rates of only 7% to 15%."
- All reflexes lost, HD supported wh stable vasopressor dosing
- Brain Death Exam
 - One examiner (depends on state)
 - If apnea test /full brain death cannot be completed, blood flow or other adjunct exams

TABLE 38-2 Glasgow Coma Scale BEHAVIOR RESPONSE SCORE Spontaneously Eye opening To speech response To pain No response Oriented to time, place, and person Best verbal Confused response Inappropriate words Incomprehensible sounds No response Obeys commands Best motor Moves to localized pain response Flexion withdrawal from pain Abnormal flexion (decorticate) Abnormal extension (decerebrate) No response Total score: 15 Best response Comatose client 8 or less Totally unresponsive

25 ASSESSMENTS TO DECLARE A PATIENT BRAIN DEAD

PREREQUISITES (ALL MUST BE CHECKED) Coma, irreversible and cause known Neuroimaging explains coma Sedative drug effect absent (if indicated, order a toxicology screen) No residual effect or paralytic drug (if indicated, use peripheral nerve stimulator) Absence of severe acid-base, electrolyte, or endocrine abnormality Normal or near normal temperature (core temperature ≥ 36°C) Systolic blood pressure ≥ 100mmHg No spontaneous respirations EXAMINATION (ALL MUST BE CHECKED) Pupils non-reactive to bright light (typically mid-position at 5-7 mm) □ Corneal reflexes absent (use both saline iet and tissue touch) Eyes immobile, oculocephalic reflexes absent (tested only if C-spine integrity ensured) Oculovestibular reflexes absent (50 cc of ice water in each ear sequentially) 13. No facial movement to noxious stimuli at supraorbital nerve or temporomandibular joint compression (absent snout and rooting reflexes in neonates) Gag reflex absent (gloved index finger to posterior pharynx) Cough reflex absent to tracheal suctioning (at least 2 passes)

□ No motor response to noxious stimuli in all 4 limbs

(triple flexion response is most common

spinal-mediated reflex)

APNEA TESTING (ALL MUST BE CHECKED)

- Patient is hemodynamically stable (systolic blood pressure ≥ 100mmHg)
- Ventilator adjusted to normocapnia (PaCO₂35-45mmHg)
- Patient pre-oxygenated with 100% oxygen for 10 minutes (PaO2 ≥ 200mmHg)
- Patient maintains oxygenation with a PEEP of 5cm H_oO (if not, consider recruitment maneuver)
- 21. Disconnect ventilator
- 22. Provide oxygen via an insufflation catheter to the level of the carina at 6 liters/min or attach T-piece with CPAP valve @ 10-20 cm H₂O and resuscitation bag
- 23.

 Spontaneous respirations absent
- Arterial blood gas drawn at 8-10 minutes, patient reconnected to ventilator
- 25. □ PaCO₂ ≤ 60mmHg, or 20mmHg rise from normal baseline value or Apnea test aborted and confirmatory ancillary test (EEG or cerebral blood flow study)

DOCUMENTATION

 Time of death (use time of final blood gas result or use time of completion of ancillary test)

DISCLAIMERS

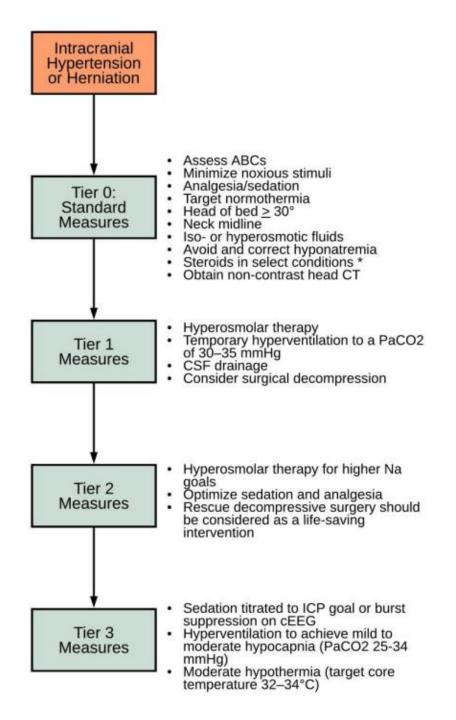
- A guideline from a professional organization is an educational tool not a mandate.
- US state laws may have additional requirements (type of specialties, need to repeat the examination by a separate examiner).
- · Major differences exist throughout the world.
- Religious and cultural objections may exist.

- > Patient declared brain death
 - > TOD
- > Family did not accept death pronouncement
 - Family meeting
- > 2nd Physician performed brain death exam
 - Concurrent wh 1st exam

Take home Points

- Establish rapport early, be honest
 - Sit with the family in a private setting
- Very fine line between giving hope, taking it away and being honest
- Brain dead means death
- Do not have the conversation alone!
 - Have a conversation with your team BEFORE family meeting
 - > Everyone needs to be in the same page or it creates confusion

- > 82yo FFS, Plavix and asa
 - > PmHx: Parkinson's
 - GCS 3, Bradycardic and hypertensive (called?)
 - Emergent intubation
 - > Imaging concerning for herniation
 - > s/p emergent Craniectomy



- Craniectomy & neurodegenerative disease
 - How affects prognosis
- > Trial of extubation & reintubation/DNI/comfort
- What does the pt want vs what does the family want?
 - No living will/previous conversations
 - Emotional(guilt), Economical implications

Take Home points

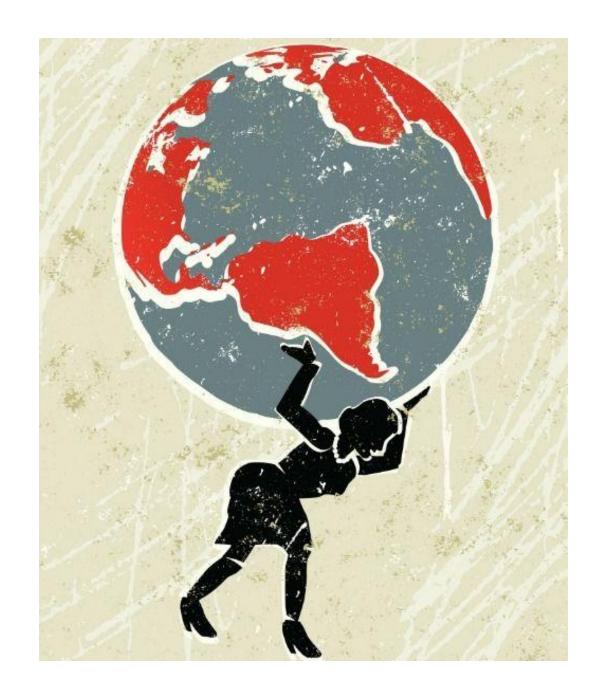
- Early Conversation wh Family
 - > Allow for time to come to terms with new situation
 - How much time?
- Know your resources
 - > SW: what long term care facilities available?
 - No WV long term care facilities that accept ventilators

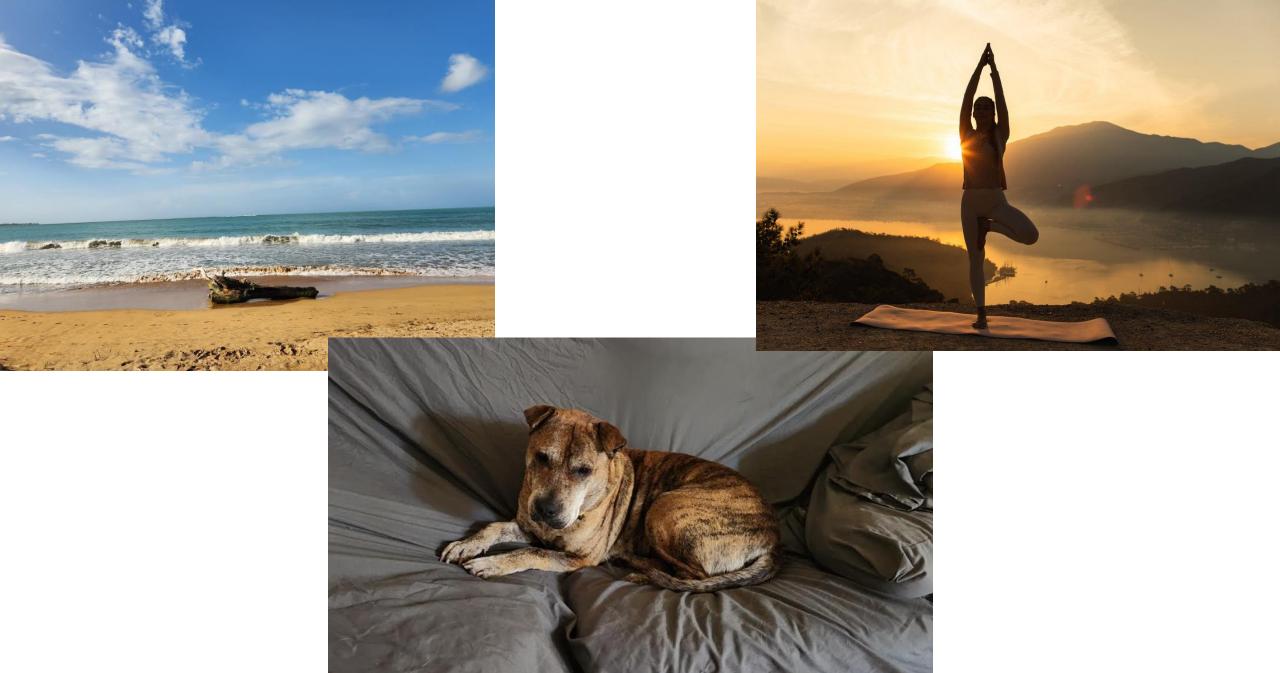
'The PEG tube'

- Not "just a simple surgery"
- Culture and eating
- Advanced Dementia
 - > Does not prevent aspiration
 - Does not prolong survival
 - > Does not improve quality of life

Resources

- Social Work:
 - Help navigate surrogacy, insurance, discharge options (instate and out)
- Palliative Care
 - Helpful to have another specialty weight in
- Partners
- Other Physician colleagues
 - > PCCM
 - Neurology
- Ethics committee
- Hospital Administration/Lawyers





How to Cope?

- Outcomes & complicated patients/situations
 - Cause of burnout
- Debrief with team
- Healthy Outlets
 - > Pets
 - Exercise
 - Reading/Mediation
- Mentors/Partners
 - > It's ok to talk abut it
- Therapy

Conclusion

- Be Honest
- > Have a sit-down conversation with family early
- Have a goals of care conversation regarding quality vs quantity
- Ask for HELP
- Have a Healthy way (s) to cope

References

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