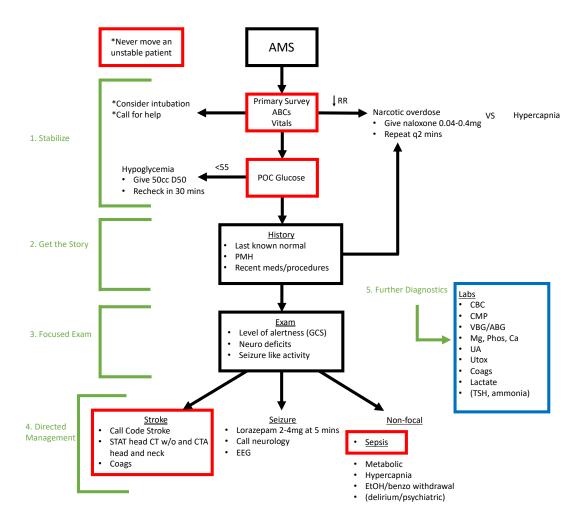
Approach to Acute Altered Mental Status

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Color key:

Green: Key management steps **Red:** Critical, time-sensitive actions

Blue: Less urgent actions

1. Stabilize

- Perform a primary assessment.
- The brain requires oxygen, blood, and glucose: always immediately assess and address the patient's airway, breathing, circulation, and blood glucose.
- Confirm **CODE STATUS**—this might change how you approach initial stabilization.
- Assess the need for additional help and resources such as other team members or emergency response teams—consider calling anesthesia at this point if any concern for airway or breathing.

 If respiratory rate is decreased, consider narcotic overdose. Treat with naloxone 0.04-0.4mg depending on stability. If patient does not respond, the dose may need to be repeated or increased. Treat to appropriate respiratory rate not mental status.

2. Get the Story

- Collect a brief history including last known normal, past medical history, and any recent medication (with a focus on sedating medications) or procedures.
- If patient recently received narcotics, consider treating with naloxone.

3. Focused Exam

- Physical exam should be focused: assess level of consciousness—GCS scale can help with this
 assessment.
- Assess for neurologic deficits or any seizure like activity.

4. Directed Management

- Some diagnoses require immediate action detailed below:
 - Neurologic deficits: Stroke—this is an emergency, activate your institution's stroke pathway.
 - Order STAT CT head without contrast (+/- CTA head and neck).
 - Check INR/PT/PTT in preparation for possible tPA.
 - o Seizure-like activity: **Seizure**—assure patient is safely positioned in bed.
 - Make note of seizure start time.
 - Prepare lorazepam. Administer 2-4mg if patient is still seizing at 5 minutes.
 - Call neurology, consider 2nd line seizure medications, and order an EEG.
 - Non-focal: Sepsis—requires immediate action and is a common cause of altered mental status that should always be considered. Other, less urgent differential diagnoses are listed in the flow chart.
 - Consider giving 30cc/kg IV fluids.
 - Order blood cultures and lactate.
 - Start broad spectrum antibiotics within one hour.

5. Further Diagnostics

- Further diagnostics are not as time sensitive as the initial management discussed above. This step should only be addressed after the patient has been stabilized with steps 1-4.
- Suggested diagnostic tests are listed in the chart, but there will be time to consult other team members or resources for this step.

Pearls:

- 1. Always assess and address immediate stability of a patient with acute altered mental status including airway, breathing, and circulation.
- 2. Involve the appropriate resources such as a rapid response team early.
- 3. Point of care glucose should be immediately checked in any altered patient.
- 4. Always consider sepsis in the differential as it is a common cause of altered mental status that requires urgent management.
- 5. Never move an unstable patient.