Pediatric Altered Mental Status

Differential Diagnosis

- **A** Alcohol, Anemia, Anaphylaxis
- **E** Epilepsy, Electrolytes, Encephalopathy
- **I** Insulin, Inborn Errors, Intussusception
- **O** Oxygen, Opiates
- **U** Uremia
- **T** Trauma, Tumor, Temperature
- **I** Infection, Ingestion
- **P** Poison, psychiatric
- **S** Shock, Space occupying lesion

How to make:

D25: remove/discard 25ml of D50 from ampule & replace with 25ml of NaCl

D10: remove/discard 40ml of D50 and replace with 40ml of NaCl

General Signs of Shock[1]

- Altered mental status
- Delayed/flash capillary refill
- Weak or decreased pulses
- Tachycardia*
- Elevated RR
- Hypoxemia
- Hypotension for age
- Decreased urine output

sometimes tachycardia is the only symptom

Normal SBP = 70 + (age in yrs x 2)

Routine Medical Care (including CO_2 & temperature)

Upper airway or respiratory compromise? **Yes** →
- Give **Oxygen** via NRB mask or BVM
- Go to appropriate **Pediatric Upper** or **Lower Airway Obstruction** protocol

No

Bradycardia if < 8 yo? **Yes** → **Pediatric Bradycardia protocol**

No

Suspicion of opiate/opioid ingestion? **Yes** → Give **Naloxone** 0.1mg/kg (max 2mg) q3min IV/IO/IN – titrate prn

No

Signs of shock?[1] **Yes** → **Pediatric Shock protocol**

No

Obvious signs of trauma? **Yes** → **Routine Trauma Care & appropriate Trauma protocol**

No

Capillary Blood Glucose (CBG) < 60 mg/dl? (<40 mg/dl if newborn) **Yes** →
Dextrose 50% 1ml/kg IV/IO age >8
Dextrose 25% 2ml/kg IV/IO age 1-7yo
Dextrose 10% 5ml/kg IV/IO age <1 yo
***If unable to obtain IV/IO access,**
Glucagon 0.5mg IM if <20kg or 5 yo
1 mg IM if >20kg or 5 yo

No

Recent or current seizure activity? **Yes** → **Pediatric Seizure protocol**

No

Positive Cincinnati Prehospital Stroke Scale? **Yes** → **Adult Stroke protocol**

No

Consider other causes of AMS:
e.x. encephalopathy, CO poisoning, anaphylaxis, psychiatric

Contact **Medical Control** for additional orders or consultation