

Peds H - Hyperglycemia and Hypoglycemia
1/21/2018

In kiddos --> have a super low threshold to check a blood sugar!

- New diabetics are commonly identified when they present to ED in DKA
- Kids get low glucose very easily and it can be part of another presentation (like sepsis)

Hyperglycemia: most important thing is to know that kids with DKA can get cerebral edema

- Similar protocol as adults, just end up repleting a little slower
- **Cerebral edema** ->>> increased intracranial pressure
 - o Headache, altered mental status, neuro deficits, incontinence etc
 - o **Cushing's Triad = hypertension, bradycardia, irregular breathing pattern**
 - o **Tx = mannitol**

Hypoglycemia

- Lots of causes: maternal DM, sepsis, inborn errors of metabolism, endocrine abnormalities
- Replace sugar with rule of 50's (percent * dose = 50)
 - o Neonate – D10% - 5 mL/kg
 - o Kiddo – D25% - 2 mL/kg
 - o Adults – D50% - 1 mL/kg
 - 1 amp of D50% = 50 mL = 25g of sugar