

Diabetic Ketoacidosis (DKA)

Associated Power Plans: EDP Diabetes: DKA Pathway;

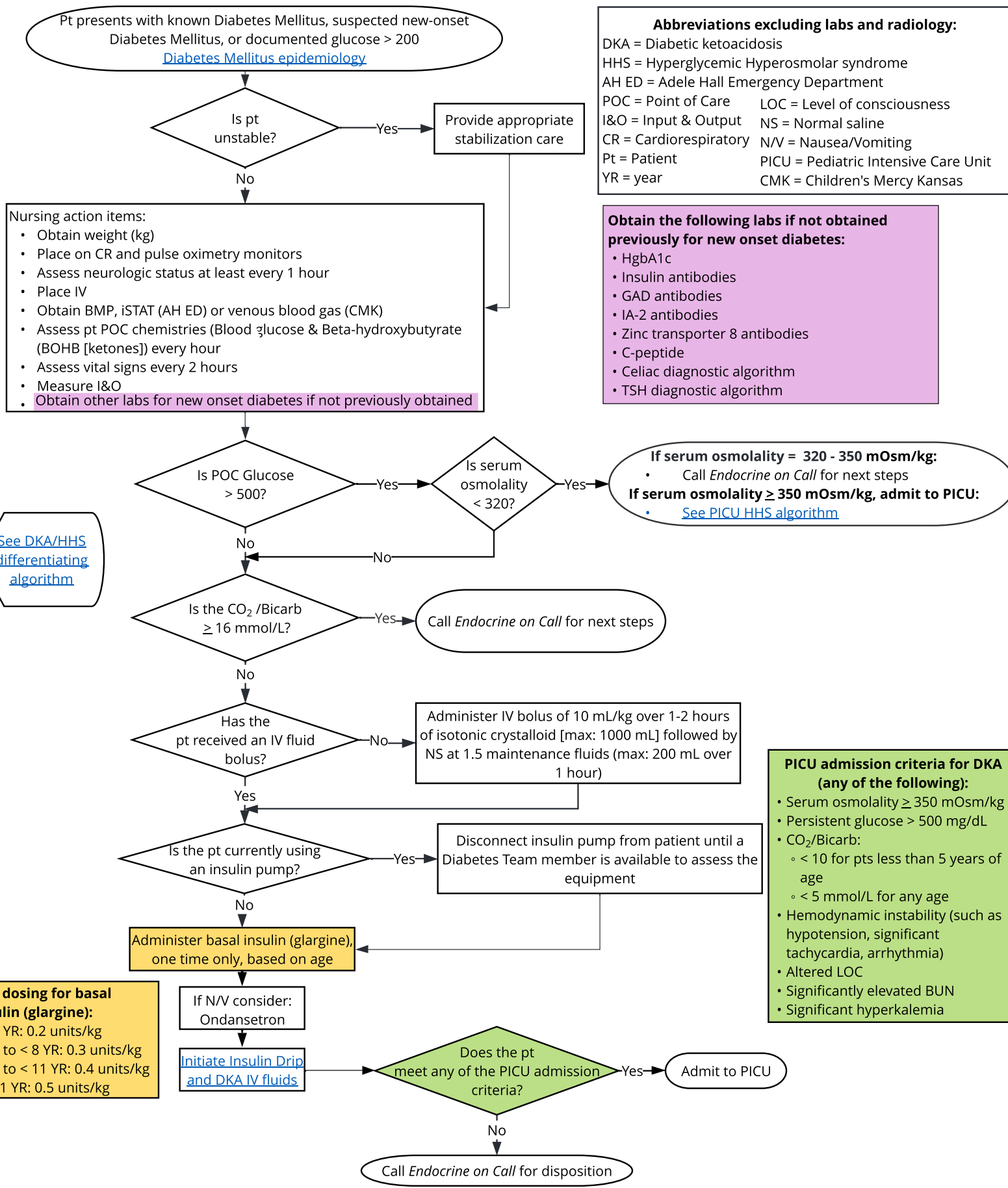
PICU: PICU DKA;

Inpt: DKA - Diabetic Ketoacidosis Pathway



Children's Mercy
KANSAS CITY

Evidence Based Practice



Abbreviations excluding labs and radiology:

- DKA = Diabetic ketoacidosis
- HHS = Hyperglycemic Hyperosmolar syndrome
- AH ED = Adele Hall Emergency Department
- POC = Point of Care
- LOC = Level of consciousness
- I&O = Input & Output
- NS = Normal saline
- CR = Cardiorespiratory
- N/V = Nausea/Vomiting
- Pt = Patient
- PICU = Pediatric Intensive Care Unit
- YR = year
- CMK = Children's Mercy Kansas

Obtain the following labs if not obtained previously for new onset diabetes:

- HgbA1c
- Insulin antibodies
- GAD antibodies
- IA-2 antibodies
- Zinc transporter 8 antibodies
- C-peptide
- Celiac diagnostic algorithm
- TSH diagnostic algorithm

See [DKA/HHS differentiating algorithm](#)

PICU admission criteria for DKA (any of the following):

- Serum osmolality ≥ 350 mOsm/kg
- Persistent glucose > 500 mg/dL
- CO₂/Bicarb:
 - < 10 for pts less than 5 years of age
 - < 5 mmol/L for any age
- Hemodynamic instability (such as hypotension, significant tachycardia, arrhythmia)
- Altered LOC
- Significantly elevated BUN
- Significant hyperkalemia

Age dosing for basal insulin (glargine):
 < 5 YR: 0.2 units/kg
 ≥ 5 to < 8 YR: 0.3 units/kg
 ≥ 8 to < 11 YR: 0.4 units/kg
 ≥ 11 YR: 0.5 units/kg