

Management of Severe Hyperglycemia

If fasting glucose is > 500 mg/dL or if > 200 mg/dL and either ketotic (ketones on urine dip stick) or with severe symptoms of hyperglycemia (dehydration, vomiting, unable to drink, impaired consciousness, shock or septicemia),

- give Oxygen if necessary,
- obtain IV access urgently,
- start IV Normal Saline according to the protocol below,
- then **refer immediately to hospital.**

Fluid infusion

➤ Adult/Child >15 years

If there are signs of shock,

- give 1 litre STAT. Reassess the patient before giving more.
- Then give:
 - NaCl 0.9%- 1 litre in 1 hour
 - NaCl 0.9%- 1 litre in 2 hrs
 - NaCl 0.9%- 1 litre in 4 hrs
 - NaCl 0.9%- 1 litre in 6 hrs
 - NaCl 0.9%- 1 litre in 8 hrs

➤ Children <= 15 YEARS

- If signs of shock:
 - 20 ml/kg bolus NaCl 0.9%;
 - repeat until signs of shock resolve (max 3 times),
 - then progress to step 2
- If decreased peripheral perfusion without signs of shock:
 - 10 ml/kg 0.9% NaCl in 1 hour and
 - refer immediately to the hospital