

Transfer pt to inpt unit*
(*general inpt unit should be 6 Henson, if bed available, or PICU if pt. unstable)

POC BG q1hr for first 24hrs
(if stable discuss frequency with endocrinology)
*Inpt labs

*Inpatient labs:
• BMP every 6 hours
• TG every 6 hours
• CBC daily if pt has AP
• Clinical assessment for fluid overload q12hr

Goals for SHTG Care Process

- Decrease TG level with the use of insulin (insulin drip titrated to max of 0.3 unit/kg/hour).
- Dextrose infused in parallel to prevent hypoglycemia and/or maintain euglycemia.
- Consider IVF to maintain hydration

Is BG > 80 mg/dL

No → Treat hypoglycemia

Yes → TG typically decreases by 50-75% in 2-3 days

Is the TG level < 1000 mg/dL

No → Increase insulin drip up by 0.05 unit/kg/hr (max 0.3 unit/kg/hr)

Continue D₁₀ IV Fluids

Recheck Cl at q6hr

Is pt chloride < 115 mmol/L?

No → Physician switch to D₁₀½NS

Criteria to d/c IV Fluids:

- Tolerating oral intake or enteral feeds at goal rate
- If D10 stopped and pt not tolerating PO/enteral feeds, *discuss with GI*

Does pt. meet criteria to discontinue insulin drip?

No → Continue IV insulin at current rate

Criteria to d/c Insulin drip:

- TG < 500 mg/dL
- TG = 500 - 1,000 mg/dL - if not dropping further in 2-3 days - discuss with Endocrine

• Discontinue insulin drip and IV Fluids

• Begin clear liquid diet when:

- Pt. states hunger
- No GI symptoms (abdominal pain, nausea, vomiting)

• Advance to low fat diet as tolerated

Regular Insulin drip:

- Start at 0.1 unit/kg/hr
- As tolerated, increase rate in increments of 0.05 units/kg/hr (increase q6hr)

POC Blood Glucose Checks

- Check 15 minutes after insulin start
- Check 15 minutes after any rate change to insulin drip
- Once patient stabilized at (determine rate & time) check q1h

IV Fluids bag components:

- Start at 1.5x maintenance
- D₁₀NS w/20mEq/L K Acetate & 20mEq/L K Phosphate
- Switch to D₁₀1/2 NS w/ 20 mEq/L K Acetate & 20 mEq/L K Phosphate if chloride gets too high (>115 mmol/L)

Meets discharge criteria?

TG <1,000 mg/dL*

Tolerating oral intake

(*Once PO resumed, rebound of TG up to 1,000 mg/dL is expected)

SHTG patient presents to ED