

Medical Emergency Letter

Dear Emergency Physicians,

Name: _____

DOB: _____

_____ is a patient of Dr. Paul Thornton at Cook Children's Medical Center. S/He has been diagnosed with hypoglycemia and Timothy Syndrome. If s/he comes to the ER with a blood glucose of less than 55 mg/dL (3 mmol/L), s/he **will need the following labs drawn:** (5 mls red top, 3 mls purple top, 2 mls green top and 10 ccs urine is a rough estimation for most institutions)

Plasma glucose, insulin, cortisol, growth hormone, free fatty acids, Beta-hydroxybutyrate, ammonia, lactic acid and acyl carnitine profile. Urine organic acids may be collected on next void even if treatment has started.

After labs have been drawn **bolus dextrose 10% solution at 5 ml/kg/dose** and then continue infusion of D10 ¼ NS + 20 meq KCL @ 5 mls/kg/hr. Check glucose q15 mins and repeat bolus and increase IV fluids by 25% if glucose not >70 mg/dL (3.8 mmol/L). Please do not delay treatment by more than 5 minutes if unable to get the blood drawn.

Contact us at 682-885-4000 and ask for the Endocrinologist on call to be paged if you have any questions.

Please be aware that the **mortality rate** of severe hypoglycemia in Timothy Syndrome may be as high as **50%**.

Thank You,

Paul Thornton, MD

Medical Director Endocrinology/ Diabetes/Hyperinsulinism