

## **Model Answer**

### **My Future Research Plan**

#### **Case Scenario:**

Mohamed is 18 months old. He presents by convulsions in emergency room. He has cold clammy sweat all over his hands and face. His blood sugar is 30mg%. He has huge hepatomegaly, no splenomegaly and no jaundice. His prothrombin time is normal. Mom says he follows at Hepatology Clinic, and he was diagnosed as type III glycogen storage disease. He was advised starch but she does not believe that food can be a medication option, she is non-compliant and he keeps getting hypoglycemic attacks. She wants anti-epileptic drugs, or liver transplantation. You admit the child.

- 1- Do you recommend starch in this boy?
- 2- Do you recommend dexamethazone in this child?
- 3- Do you recommend blood transfusion in this child?
- 4- Do you recommend lactose free diet in this boy?
- 5- Do you recommend liver transplantation in this boy?
- 6- Do you recommend stem cell transplantation in this boy?
- 7- Do you recommend oral prednisone in this child?
- 8- Do you recommend carbamazepine in this boy?
- 9- Will you recommend vitamin B for this child?

#### **Our Future Research Plan.**

**We will study effect of vitamin B in children with glycogen storage disease type III. We will give recommended daily allowance of vitamin B and uncooked starch in a group of 30 children with GSD type III, and give uncooked starch in another 30 children with GSD type III. We will compare blood sugar levels and control of convulsions among both groups.**

**P= children with glycogen storage disease type III.**

**I= vitamin B and uncooked starch.**

**C= uncooked starch.**

**O= effect on blood sugar levels and control of convulsions.**