

Disclosure slide

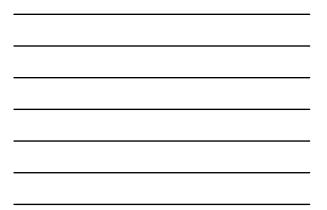
In the past 12 months, I have had no relevant financial relationships with the manufacturer(s) of any commercial product(s) and/or provider(s) of commercial services discussed in this CMEactivity.

The role of malnutrition in childhood mortality

- About 45% of all child deaths are linked to malnutrition.
- Severe malnutrition contributes to 516 000 child deaths annually.
- Profound diarrhea or hypoglycemia common direct causes of death in SAM.

Black et al, Lancet 2013 Heikens et al, Lancet 2008

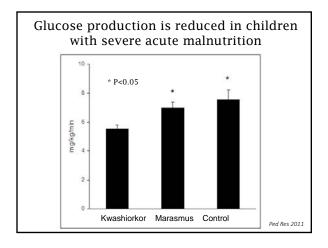




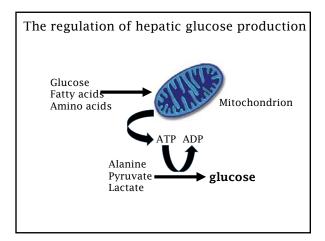
Metabolic dysadaptation in severe malnutrition

- · Electrolyte disturbances
- ·Hypoalbuminemia especially in kwashiorkor
- Abnormal glucose concentrations common:
 - -Glucose absorption impaired * -Glucose clearance affected # -Impaired glucose production
- Fatty liver in kwashiorkor
 JPed 2010
 #Metabolism 2012

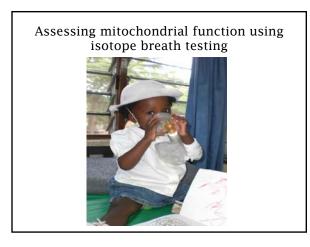




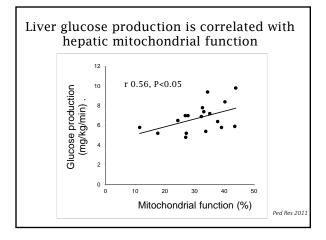




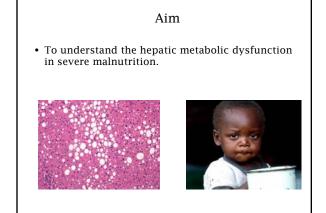


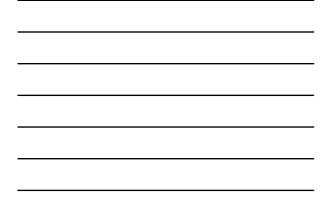


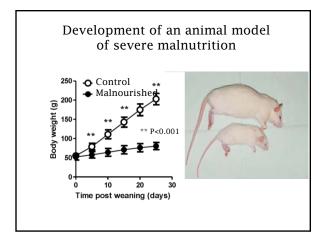


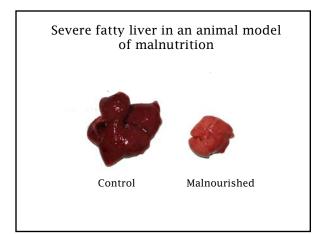


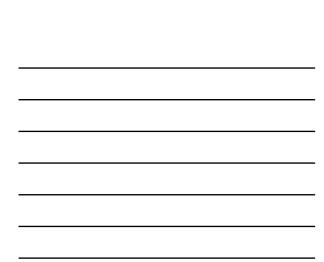




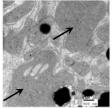








Malnutrition is associated with proliferation of abnormal hepatic mitochondria



Control

Malnourished

