

GLOBAL HOSPITALS & HEALTH CITY

DEPARTMENT OF PAEDIATRIC HEPATOLOGY AND GASTROENTEROLOGY

TPN CALCULATIONS

Total fluid volume : -----ml/kg/day= -----ml.

Total TPN volume (total fluid –any other fluids used) = -----ml

Solution 1 :Amino acids 10%(1 gms in 10 ml)=-----gms= -----ml

Solution 2 :Lipids 20%(2 gms in 10 ml)=-----gms =-----ml

Solution 3 : Total Dextrose volume =Total TPN volume-(Amino acidvolume +Lipid volume) =-----ml

Dextrose =-----gms /day

Percentage dextrose required = 100x (dextrose gms/day)
----- = -----%
Total dextrose volume

To theDextrose drip (Solution 3), add the following

Sodium= -----mmols

Potassium=-----mmols

Calcium=-----mmols

Magnesium=-----mmols

MVI = -----ml

Celecel = -----ml

Solution 1 :-----ml of Aminoacids running at -----ml/hr

Solution 2 : -----ml of Lipids with MVI running at -----ml/hr

Solution 3 :----- ml -----% dextrose with electrolytes and Celecel-----ml/hr .

OR

Add Aminoacid (solution 1) to Dextrose drip (solution 3) = Total -----ml to run at -----ml/hr .

Calories :

Dextrose=4x-- -----gms/day =-----Kcal

Aminoacids=4x-----gms/day =-----Kcal

Lipids=10 x-----gms/day=-----Kcal

Total = -----Kcal /day.