



ASTYMIN PROTOCOL FOR GASTROSCHISIS STUDY

The most suitable product is Astymin 3:

ASTYMIN 3, 200ml bottle = 10mls contains 0.8g protein

Day of arrival to TTH	Volume of Astymin
Day 1	1g/kg protein (12mls/kg)
Day 2	2g/kg protein (24mls/kg)
Day 3 onwards	3g/kg protein (36mls/kg)

*Maintenance fluid volumes as per NICU protocol

HOW TO ADMINISTER ASTYMIN

1. Calculate the total maintenance fluid requirement for a 24 hour period.

For example, 2kg term baby on day 5 of life = 150ml/kg/day = 300mls in 24 hours.

2. Calculate volume of Astymin according to weight as above.

For example 2kg x 36mls = 72mls.

3. Take away the Astymin volume from the total maintenance fluid requirement.

For example, for a 2kg baby, 300mls – 72mls = 228mls.

4. Add the Astymin to the appropriate maintenance fluids (5% or 10% dextrose)

For example, 72mls Astymin + 228mls dextrose = 300mls.

Infuse over 24 hours ($300/24 = 12.5\text{mls/hour}$).

Use an aseptic non touch technique throughout. Keep the Astymin in the fridge.

GASTROSCHISIS PATIENTS

Commence Astymin on day 1 of presentation or as soon as possible.

24 hours following closure of the gastroschisis defect, breastfeeding is to start as per the breastfeeding protocol.

When breastfeeding is established at 10 minutes 6 hourly, the Astymin can be reduced by half (18mls/kg). When breastfeeding for 15 minutes 3 hourly, the Astymin can be stopped.