

IV Nutrition & Fluid Management for HIE Patients

BCHO NICU

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DOL	Total Fluids (ml/kg/day)	GIR (mg/kg/min)	IV Dextrose	IV Protein	IV Lipid	Source	Kcals/kg
0-1	60-70	4-5	10%	3%	0	Starter TPN if central line available	28-32
1-2	60-70	4-6	10-12%	2.5-3 g/kg	0	TPN	30-40
2-3	80	6-7	11-12.5%	2.5-3 g/kg	1 g/kg	TPN	50-56
3-4	80-100	6-8	11-12.5%	2.5-3 g/kg	1 g/kg	TPN + feeds @ 30 mL/kg/day divided	50-62

- Patients with HIE and receiving cooling optimally should have a central UVC line in place
- When it seems unlikely that a patient will be able to begin enteral feeds by day 3-4, consider placement of a central line
- Total fluids to be adjusted according to urine output, other sensible fluid losses, and labs (electrolytes)
- GIR and dextrose to be adjusted according to blood glucose level
- Protein to be adjusted according to BUN