PAEDIATRIC ENTERAL FEEDING CONTINUOUS REGIMEN FOR INFANTS AND CHILDREN WITH RSV

Out For Hours for when the Dietitian is unavailable

1. Measure the weight of the infant / child

2. Use table 1 to establish the rate of feed for continuous feeding based on weight and energy requirement.

3. For infants weigh <10kg, consider to start with feed concentration of 0.67kcal/ml. However, if there are concerns on fluid restriction, inability to tolerate higher volume of feed or faltering growth, medical team to consider using 1kcal/ml feed as per table 1.

4. If the patient has suspected cow's milk protein allergy or confirmed diagnosis of cow's milk protein allergy, please see recipes for hydrolysed formula in table 2. The rate of feed will be determined based on weight as referenced in table 1.

Table 1. Determine the rate of feeding per hour for CONTINUOUS (20 hours) feeding based on age, energy requirements, feed type and clinical setting. Table adapted from BDA Paediatric specialist Group – guidelines for nutrition support of infants & children with respiratory syncytial virus (RSV) and those who are acutely unwell.

Where possible use ready to use (RTU) sterile feeds. For children >1 year consider feeds with multifibre where appropriate			**(PHDU/ ward)**
Weight (kg)	**Feed concentration (kcal/ml)**	**Feed type** Dietitian to review feed type	**100kcal/kg (ml x 20 hrs)**
3	0.67	Breastmilk/standard formula/ EHF/ AAF	22
	1	Infatrini/ EHF/ AAF	15
4	0.67	Breastmilk/standard formula/EHF/ AAF	30
	1	Infatrini/ EHF/ AAF	20
5	0.67	Breastmilk/standard formula/ EHF/ AAF	37
	1	Infatrini/ EHF/ AAF	25
6	0.67	Breastmilk/standard formula/ EHF/ AAF	45
	1	Infatrini/ EHF/ AAF	30
7	0.67	Breastmilk/standard formula/ EHF/ AAF	52
	1	Infatrini/ EHF/ AAF	35
8	0.67	Breastmilk/standard formula / EHF/ AAF	60
	1	Infatrini/ EHF/ AAF	40
9	0.67	Breastmilk/standard formula/ EHF/ AAF	67
	1	Infatrini/ EHF/ AAF	45
10	0.67	Breastmilk/standard formula/ EHF/ AAF	75
	1	Infatrini / EHF/ AAF	50
			80kcal/kg
11 – 14	1	Nutrini 1kcal/ml	44 – 56
			75kcal/kg
15 -19	1	Nutrini 1kcal/ml	70
			70kcal/kg
20 – 24	1	Tentrini 1kcal/ml	84
25 -29	1	Tentrini 1kcal/ml	100
			45kcal/kg
30 -39	1	Tentrini 1kcal/ml	88
40 – 49	1	NUTRISON 1.0 – 1kcal/ml	110
			35kcal/kg
50 -59	1	NUTRISON 1.0 – 1kcal/ml	88
60 -69	1	NUTRISON 1.0 – 1kcal/ml	120
>70	1	NUTRISON 1.0 – 1kcal/ml	122

EHF – extensively hydrolysed formula, AAF – amino acid formula

Table 2 Recipes for extensively hydrolysed formula or amino acid formula at standard concentration and 1kcal/ml if required based of age.

Types of formula	Suitable for	Recipe for 0.67kcals/ml (Standard concentration)_	Recipe for 1kcal/ml
Extensively hydrolysed formula			
Aptamil Pepti 1	Birth - 6 months	13.6% 3 scoops + 90ml water	20.8% 3 scoops (4.5g/ scoop) of powder made up to 65ml water
Aptamil Pepti 2	6-12 months **	14.43% 3 scoops + 90ml water	22% 3 scoops (4.8g/ scoop) of powder made up to 65ml water
Nutramigen LGG 1	Birth - 6 months	13.6% 3 scoops + 90ml water	20.8% 3 scoops (4.5g/ scoop) of powder made up to 65ml water
Nutramigen LGG 2	6-12 months **		
Amino acid formula			
Neocate LCP	Birth - 12months **	13.5% 3 scoops + 90ml water	20.8% 3 scoops (4.5g/ scoop) of powder made up to 65ml water
Neocate Junior	>12 months	21.1% (1kcal/ml) 3 scoops (7.3g/ scoop) of powder + 90ml water = 105ml 29.2% (1.26kcal/ml) 4 scoops (7.3g/ scoop) of powder + 90ml water = 110ml	

**Please use scoop from the original container.*

** Children admitted >12months on an EHF or AA and haven't commenced the reintroduction of standard infant formula or cow's milk, should continue on their normal formula and be referred to the Dietitian for assessment

Please contact the Paediatric Dietitians on ext 3937, bleep 8360 or email asp-tr.paedsnutrition@nhs.net