

Module 6 – Session 21

Case 1 Breastfeeding infant in ITFC

A 3-month-old breastfed infant is admitted into the ITFC with a WAZ and WHZ < -3 (no oedema) with medical complications (fever and lethargic) and refusing the breast almost constantly for the last four days. The mother says she has never found breastfeeding easy since birth and that her baby often comes off the breast crying or feeds for a very long time but doesn't seem full.

A breastfeeding assessment is done and also a breastmilk expression assessment. Issues are identified with latch and positioning and indeed over the course of 6 hours, the mother expresses very little breastmilk (even after a good meal, plenty of water etc). Weight on admission: 3.0 Kg. The mother is quite stressed about breastfeeding but has no other risk factors for a mental health problem. Her MUAC is 238mm and she has no ongoing medical problems.

Question 1: Which type of milk would you give? How much milk would you give? How many ml per feeds for 8 feeds per day?

Question 2: On day 5, the infant is now clinically stable and does not refuse feeding. Breastfeeding technique is slowly improving with intensive counselling. How much milk would you give now?

Would you change the stage of the infant? Weight evolution by day:

D1: 3.00

D2: 2.92

D3: 2.94

D4: 2.92

D5: 2.92

Question 3: It is now day 8. Breastfeeding is going well as is the SST at each feed. How much milk would you give now? Would you change the stage of the infant? Weight evolution by day:

D6: 2.94

D7: 2.98

D8: 3.06

Question 4: at day 11 you reassess. Would you change the stage of the infant? Weight evolution by day:

D9: 3.07

D10: 3.08

D11: 3.08

Question 5: It is now day 14. Would you change the stage of the infant? What type of milk would you give? Weight evolution by day:

D12: 3.11

D13: 3.13

D14: 3.15

Question 6: It is now day 16. Would you change the stage of the infant? What type of milk would you give? Weight evolution by day:

D15: 3.18

D16: 3.21

Question 7: It is now day 18. The mother says she wants to go home soon and that she feels breastfeeding is going well. Would you change the stage of the infant? What type of milk would you give? Weight evolution by day:

D17: 3.24

D18: 3.28

Question 8: On day 21, the mother is very keen to go home. Would you refer the infant to the ATFC? Why? Weight evolution by day:

D19: 3.32

D20: 3.37

D21: 3.40

Case 2 Infant without the possibility to breastfeed in ITFC

A 2-month-old non-breastfeeding infant is admitted into the ITFC with a WAZ and WHZ < -3 with medical complications (pneumonia). The mother is absent (died two weeks ago) and the infant has been fed on some goats milk and some powdered milk since then, but hasn't been feeding well for the last 5 days. Weight on admission: 2.90 Kg.

Question 1:

What would you recommend to the caretaker as a first option for nutritional treatment?

Question 2:

Which type of milk would you give? How much milk would you give? How many ml per feed for 8 feeds per day?

Question 3:

It is day 4 of admission. The infant is much better after receiving IV antibiotics for the pneumonia. She feeds well and seems hungry for more. Would you change the stage of the infant? What quantity of milk would you give?

Weight evolution by day:

D0: 2,90

D1: 2.92

D 2: 2.96

D 3: 3.00

D4: 3.10

Question 4:

On day 7, you reassess their nutritional treatment. Would you change the stage of the infant? What quantity of milk would you give?

Weight evolution by day:

D5: 3.20

D6: 3.25

D7: 3.34

Question 5:

It is day 21. The infant is clinically well, no longer on any treatment and the caretaker is confident in preparing the infant formula. Would you refer the infant to the ATFC? Why? Which is the weight gain (g/kg/d) of the last 3 days? Weight evolution per day:

D8: 3:40

D11: 3.45

D15: 3.47

D18: 3.51

D19: 3.51

D20: 3.75

D21: 3.90