# Therapeutic Media Online Continuing Education

## Weaning from Tube to Oral Feeding

Presented by Marjorie Meyer Palmer, M.A.

Speech Pathologist

Neonatal and Pediatric Feeding Specialist

Recommendations for weaning from tube on to oral feedings\* (for infants under three months)

- 1. Discontinue all night drip feedings
- 2. Discontinue all continuous drip feedings by day
- 3. Establish age appropriate mealtime schedule for bolus feeds; feed only during waking hours
- 4. Introduce oral activities and feeding as part of the total mealtime activity, just prior to the bolus tube feeing
- 5. Use primitive oral reflexes as a foundation for oral feeding
- 6 Approach the "oral sensorium" from the buccal cheek cavity to prevent gagging; avoid the tongue since it is very sensitive to touch pressure stimuli
- 7. Practice the maintenance of bilabial closure and nasal breathing in preparation for bottle/breast feeding
- 8. Be sure infant is receiving sufficient calories to grow and weight is adequate before starting the program
- Establish a baseline for oral feeding that includes the type of formula, amount, method of presentation, duration of feeding, and sensation tolerated
- 10. Duration of tube feeding should approximate oral feed
- 11. Once oral intake reaches 30 ml and is equal to 30 calories/oz begin to subtract from bolus feed that follows
- Successful weaning is dependent upon proper candidate selection. All
  primary underlying medical conditions should be resolved before
  proceeding with this program.

<sup>\*</sup>Based upon the Palmer Protocol for Sensory Based Weaning

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## Weaning from Tube to Oral Feeding

Presented by Marjorie Meyer Palmer, M.A.

Speech Pathologist

Neonatal and Pediatric Feeding Specialist

Recommendations for weaning from tube on to oral feedings\* (for infants over three months)

- Discontinue all night drip feedings
- 2. Discontinue all continuous drip feedings by day
- 3. Establish age appropriate mealtime schedule for daytime bolus feeds; feed only during waking hours
- 4. Introduce oral activities and feeding as part of the total mealtime activity, just prior to the bolus tube feeing
- 5. Use a "mealtime toy bag" for distraction and FUN during oral feeding
- 6 Approach the "oral sensorium" from the buccal cheek cavity to prevent gagging; avoid the tongue since it is very sensitive to touch pressure stimuli
- Select only one variable to modify at mealtime, i.e., texture, utensil, placement
- 8. Be sure child is receiving sufficient calories to grow and weight is adequate before starting the program
- Establish a baseline for oral feeding that includes the type and consistency of food, amount offered, method of presentation, placement, utensil, duration of feeding, and sensation tolerated
- 10. Duration of tube feeding should approximate length of oral feed
- 11. Once oral intake reaches 30 ml and is equal to 30 calories/oz begin to subtract from bolus feed that follows
- 12. When child is taking a minimum of 30 cc three to five times daily begin the first "60-hour wean"
- Remember: Successful weaning is dependent upon proper candidate selection. All primary underlying medical conditions should be resolved before proceeding with this program.

<sup>\*</sup>Based upon the Palmer Protocol for Sensory Based Weaning

# Palmer Protocol For Sensory Based Weaning To Oral Feeding

	Phase I: Transition	Phase II: Tolerance	Phase III: Wean	Phase IV: Oral feeding	Phase V: Discharge
Feeder	primary caregiver	primary caregiver	primary caregiver	primary caregiver	primary caregiver
Position	transition from reclining to feeder's lap or seal	feeder's lap or seat	feeder's lap or seat	feeder's lap or seat	feeder's lap or seat
Food Presentation	transition from drip to 4-6 bolus feedings, eliminate drip/nighttime feeds.	child is now on bolus feeds, begin oral feeding with baseline utensil, placement, texture as indicated on baseline sheet.	continue with utensil, placement, lexture as indicated in most recent baseline sheet.	continue with utensil, placement, texture as indicated in most recent baseline sheet. Increase variety of food/ liquid accepted.	child accepts a variety of foods/liquid delivered by appropriate utensil.
Social Interaction	use of positive social interaction to make mealtime more pleasant.	distract when necessary with auditory, visual and tactile stimuli paired with food presentation.	visual regard for feeder and positive anticipation of food. distraction and verbal praise may be used.	visual regard for feeder and positive anticipation of food. distraction and verbal praise may be used.	visual regard for feeder and positive anticipation of food. distraction and verbal praise may be used.
Complementary feeding	mealtime exercises 3x/dally while transitioning to bolus teeds.	100 % normal caloric requirement until oral intake is equal to 30cal/ow in 30 cc 3x/daily, then substract 30cc from each bolus feed ( by tube)	100% normal calorle requirement inhous 30 until 60 cc is taken orally 3 x/ daily. begin the first '60 hour wean'.	resume supplemental tube feeding for two weeks. begin second ' 60 hour wean'.	child takes between 50% -100% of total caloric requirement orally.
Duration	bolus approximates an oral feeding, which is 15 - 45 minutes, whatever is developmental correct	15 - 45 minutes, whatever is developmental correct	15 - 45 minutes, whatever is developmental correct	15 - 45 minutes, whatever is developmental correct	15 - 45 minutes, whatever is developmental correct
Dala Criteria to end	sheet. tolerates bolus feeds	baseline data sheet completed. tolerates presentation	baseline data sheet completed. accepts presentation	baseline data sheet completed. accepts at least 50% of	completed. accepts 75% - 100%
Criteria to end phase	tolerates bolus feeds of an amount that is appropriate, child does not gag, choke, retch or vomit.	tolerates presentation of food /Hquid to mouth, child does not gag, choke, retch or vomit.	accepts presentation of food/liquid to mouth, indicated by visual response, mouth opening, and/or cooperation		of total catoric requirement orally swallows 100% of total amount fed.

# Palmer Protocol for Sensory-Based Weaning: Daily Feeding Summary

Date

Name\_

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TIME	Baselin						
TEXTURE	Baseline Assessment: First Date of Study	Liguid Thick liquid	Strained Semi-solid Soft solid Hard solid		Liguid Thick liquid Strained Semi-solid Soft solid Hard solid	Liguid Thick liquid Strained Semi-solid Soft solid Hard solid	Liguid Thick liquid Strained Semi-solid Soft solid Hard solid
AMOUNT OFFERED	t Date of Study	Swipes (<30)			ounces	Swipes (<30) ounces	Swipes (<30) ounces
AMOUNT SWALLOWED		ounces			ml (<30) ounces	ml (<30) ounces	ml (<30) ounces
UTENSIL		Dropper	Syringe Tongue depressor Bottle	Cup	Finger Dropper Syringe Tongue depressor Bottle Spoon Cup	Finger Dropper Syringe Tongue depressor Bottle Spoon Cup	Finger Dropper Syringe Tongue depressor Bottle Spoon Cup
PLACEMENT	•	Lower Lip	Gums Tongue	i d j	Lower Lip Cheek Gums Tongue	Lower Lip Cheek Gums Tongue	Lower Lip ——Cheek ——Gums ——Tongue
AMOUNT FED BY TUBE		ounces			ml (<30) ounces	ml (<30) ounces	ml (<30) ounces
FEEDER			. 19		13		

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