

WVAND April 11, 2019 Debra Zwiefelhofer, RDN, LD dzwiefel01@att.net

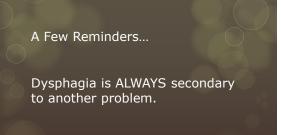
# Objective

### Participants Will:

- O Understand and state the purpose of moving from the NDD to the IDDSI guidelines.
- O Identify similarities and differences between the NDD and IDDSI standards.
- O Develop steps for adapting the IDDSI guidelines into practice.

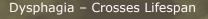
## Counting the Reasons 'Why'

- O The NDD was never intended to be 'final' diet guidance.
  - O Safety is at the center of the dysphagia diet; improving diet consistencies is critical
- O A global health issue cannot be properly address inside individual countries.
  - O Avoids re-assessing between practitioners and facilities
- O More clinical research for dysphagia is needed! When diet is the foundation of treatment it needs to be repeatable across the world. O Commercial product consistency



## Etiology

- O Neurogenic (stroke, Parkinson's, ALS, Alzheimer's..)
- O Myopathic (muscular defects)
- O Structural anomalies (Zenker's diverticulum)
- O Congenital (brain lesions)
- O Infectious (post-polio syndrome)
- O Autoimmune (Sjogren's)
- O Traumatic (TBI, spinal cord, chemical burns)
- O Iatrogenic (surgical nick to nerves)
- O Psychogenic
- 5 O Aging



OInfant /child/adolescent :

OCongenital neurodevelopmental delay

OAdults:

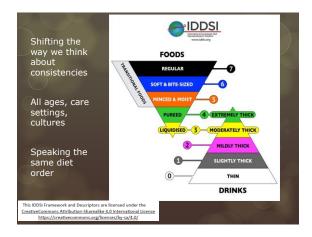
OGastro-esophageal, immunologic

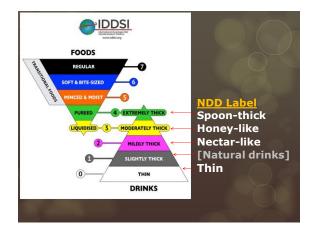
- OElderly:
  - ONeurologic

# Food Texture & Liquid Consistency Modification

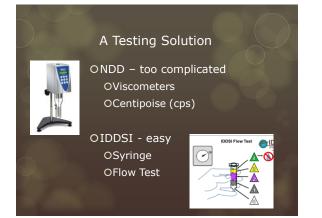
**Objective**: **Safety** Minimizing the risk for aspiration and choking





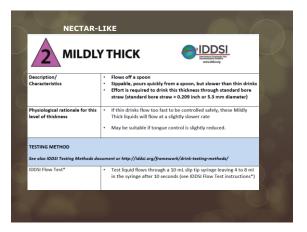


# Why Thicken Liquids? Dysphagia = Swallowing Difficulty Oregan Stream S

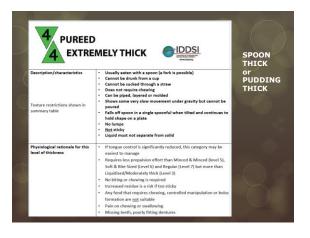




Description/ Characteristics	Thicker than water     Requires a little more effort to drink than thin liquids     Flows through a straw, syringe, teat/nipple     Similar to the thickness of commercially available     'Anti-regurgization' (AR) infant formula
Physiological rationale for this level of thickness	<ul> <li>Predominantly used in the paediatric population as a thickened drink that reduces speed of flow yet is still able to flow through an infant teat/nipple. Consideration to flow through a teat/nipple should be determined on a case-by-case basis.</li> </ul>
Testing method See also IDDSI Testing Methods do	sument or http://iddsl.org/framework/drink-testing-methods/











O Thickening liquids is still going to be challenging

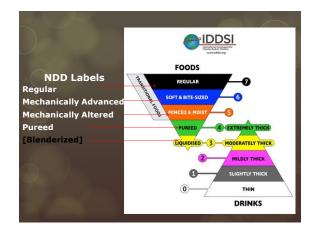
OOver/under thickening over time

O"Operator error"....still need beverage recipes for your facility; still need to measure; still need to train

O In pre-thickened liquids we trust

#### Now What? Tools/Resources at IDDSI.org O Audit sheets O Set up your cross-functional team to set your O 'Poster' mapping crosswalk from NDD to IDDSI facility plan for transitioning to IDDSI O SLP, RDN, FSD/CDM + ?? Others O Implementation timeline / planning template O Starter task list: 122 131 23 5 8 8 7 8 5 4 7 8 3 4 3 2 1 mundis manth anath manth ma O Review your beverages and mixing instructions (use ISSDI Flow Test & audit sheets) OAdjust mixing directions as needed O IDDSI Flow Test your "natural liquids" (make a reference chart for staff) O Translations for other languages O Decide on policy for frequency of viscosity testing O EVERY liquid and food level has a ready-to-copy and by whom patient education sheet. O Train staff









Mi	nced and Mc	oist - Comparis	on
	NDD Mechanically Altered	IDDSI Minced and Moist	MINCED A MOIST
Meat	Ground, moistened, no larger ¼ inch pieces	Finely minced or chopped (2mm / 4 mm)	ANT STATE
Fruit	Soft, drained, canned or cooked	Mashed, or pureed	Spoon Tilt Test
Vegetables	Soft, well cooked, less ½ inch pieces, easily mashed with fork	Finley minced or chopped (4 mm) or mashed	Particle size
Rice / Pasta	Well cooked noodles with sauce, pureed rice	Pureed or use instant mixes	Add: - frm
Bread	Pureed, pre-gelled, soaked or slurried, moist throughout	Pre-gelled, soaked or slurried, moist throughout	
Cereals 25	Oatmeal, moistened dry cereal, liquid absorbed, thickened if needed	Very thick, smooth with soft lumps Texture fully softened, milk/fluid must not separate	S. A.

6 SOFT &		
Description/characteristics Texture restrictions shown in summary table	<ul> <li>Can be eaten with a fork, spoon or chopsticks</li> <li>Can be mashed/broken down with pressure from fork, spoon or chopstick</li> <li>A knife is not required to cut this food, but may be used to help loading a fork or spoon</li> <li>Chewing is required before swallowing</li> <li>Soft, tender and moist throughout but with no separate thin liquid</li> <li>"Bite-sized" pieces as appropriate for size and oral processing skills</li> <li>Paediatric, 8mm pieces</li> <li>Adult 15 mm = 1.5 cm pieces</li> </ul>	
Physiological rationale for this level of thickness	Biting is not required     Chewing is required     Tongue force and control is required to move the food for     chewing and to keep it within the mouth during chewing     Tongue force is required to move the bolus for swallowing     Pain or faigue on chewing     Missing teeth, poorly fitting dentures	

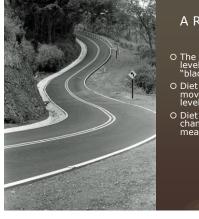


Soft an	d Bite Size	d Comparis	on
	NDD Dysphagia Advanced	IDDSI Soft and Bite Sized	5 SOFT & BITE SIZED
Meat	Thin sliced, tender or ground	Cooked tender, diced (~½ inch adult)	Thumbhail blanches white
Fruit	Canned or cooked, soft, peeled fresh fruit, berries with small seeds (strawberries)	Mashed, or pureed, no fibrous pieces. No fruits where juice separates from solid in mouth	Fork Pressure Test
Vegetables	Cooked, tender	Steamed or boiled, tender, diced (1/2 inch)	
Rice / Pasta	Well cooked noodles and rice	Pureed or instant mix	Bite size
Bread	Well moistened throughout	Pre-gelled, soaked, moist throughout. Slurried, bite sized and soft.	ngo
Cereals	Well moistened	Smooth with soft tender lumps, not bigger than 15 mm	

TRANSITION			
TRANSITION	NAL FOUDS		
Description/characteristics	<ul> <li>Food that starts as one texture (e.g. firm solid) and changes into another texture specifically when moisture (e.g. water or saliva) is applied, or when a change in temperature occurs (e.g. heating)</li> </ul>		
Physiological rationale for this level of thickness	Biting not required     Minimal chewing required     Tongue can be used to break these foods once altered by     temperature or with addition of moisture/saliva     May be used for developmental teaching or rehabilitation of     chewing skills (e.g. development of chewing in the paediatric     population, and developmental disability population;     rehabilitation of chewing function post stroke)		



FOOD TEXTURE REC green shaded check mark 🗹 in the summ. d acceptable for foods in each level. red shaded 🕰 in the summary table below not in each level.	ary table below in	ndicates a ch		
Description/Characteristics	3 Liquidised/ Moderately thick	4 Pureed/ Extremely thick	5 Minced & moist	6 Soft & bite- sized
No skin, no crust even after cooking, heating or standing				
No separation of thin (watery) liquid				
Will hold its shape on a plate, fork or spoon				
Soft grainy texture quality				
Visible lumps				



## A Reminder:

- O The dysphagia diet level is not often "black and white".
- O Diet orders can move up / down levels.
- O Diet orders may change meal to meal.

# How do we tackle foods?

- O Set up your cross-functional team O SLP + RDN + FSD/CDM + Chef/Cook. Others??
- O Starter task list:
  - O Review your menus for foods that are no longer appropriate for level 5 & 6
    - OCan you adjust the recipe?
  - O How are diet orders going to be written?
  - O Are you going have mechanical textures as well as IDDSI textures?
  - O Train staff



# Summary

Official Launch Date for Implementation May 1, 2019

## O IDDSI <u>is</u> here

- O The time is <u>now</u> to plan your transition O Adapt IDDSI into your referenced diet manual
- O Our job is patient / resident <u>safety</u> and using best practice

