

Financial Support for this presentation was provided by Nestlé Health Science. The views expressed herein are those of the presenter and do not necessarily represent Nestlé's views. The material herein is accurate as of the date it was presented, and is for educational purposes only and is not intended as a substitute for medical advice. Reproduction or distribution of these materials is prohibited.

© 2019 Nestlé. All rights reserved.

2

Disclosure:
International Dysphagia Diet Standardization Initiative (IDDSI)
Board Member

The IDDSI Board is a team of volunteers, consisting of dietitians, speech pathologists, food scientists, physicians, occupational therapists, engineers, nurses, and professionals who have come together to help create the IDDSI framework.

PLATINUM SPONSORS

PLATINUM SPONSORS

Nestie
Health Science

COLD SPONSORS

SILVER SPONSORS

SILVER SPONSORS

SILVER SPONSORS

SILVER SPONSORS

SILVER SPONSORS

BRONZE SPONSORS

Lealy IFP. Shall Foods. Basic American Foods. Bevolution Group. D' Oster Professional Flavour Creations.

Gordon Food Services - Lyons Magnus. Precise Truck.N

The International Dysphagia Diet Standardisation Initiative is supported by funding from a variety of industry sources.

Copyright December 2017
Used with permission from IDDSI

4

6

3



Why do we need a standardized system?

Safety

Multiple labels & definitions cause confusion within & between health care facilities

Efficiency

Avoids need for re-assessment of food & liquids when patients move between healthcare settings

Commercial Consistency

Ready to use items & products are consistent from manufacturer to manufacturer

Research

Provides ability to compare research across healthcare& research facilities throughout the world to create clinical evidence

5



Milestones recorded in open access journal publications

Our Phys Med Rehabil Rep
DOI 10.1007/s40141-013-0024-z

SWALLOWING DISORDERS (RE MARTIN, SECTION EDITOR)

The Need for International Terminology and Definitions
for Texture-Modified Foods and Thickened Liquids Used
in Dysphagia Management: Foundations of a Global Initiative

Julie A. Y. Cichero · Catriona Steele · Janice Dulvestein · Pere Clavé ·
Jianshe Chen · Jun Kayashifa · Roberto Danta · Caroline Lecko ·
Rence Speyer · Peter Lam · Joseph Murray

http://tinyurl.com/q54terf

Permission for free download from
journal and IDDSI websites

7

9

The Need for International Terminology... (2013)

- · Survey of current terminology and practice
 - 33 countries, 2050 responses
 - Persons with dysphagia, caretakers, organizations, health care professionals, food service providers, researchers, industry
- · Results:
 - Common use of 3-4 levels of food (54 different names)
 - Common use of >3 levels of *liquids* (27 different names)

9

Dysphagia
DOI 10.1007/s004550149578x

ORIGINAL ARTICLE

The Influence of Food Texture and Liquid Consistency
Modification on Swallowing Physiology and Function:
A Systematic Review

Catriona M. Steele · Woroud Abdulrahman Alsanei · Sona Ayanikalath ·
Carly E. A. Barbon · Jianshe Chen · Julie A. Y. Cichero · Kim Coutts ·
Roberto O. Dantas · Janice Duivestein · Lidia Glosa · Ben Hanson ·
Peter Lam · Caroline Lecko · Chelsea Leigh · Ahmed Nagy · Ashwini M. Namasivayam
Weslania V. Nascimento · Inge Odendaal · Christina H. Smith · Helen Wang
Receivet: 24 July 2014 / Accepted: 10 September 2014
© The Author(s) 2014. This article is published with open access at Springedink.com

The Need for International Terminology... (2013)

 Only 40% of respondents check that texture modified foods and thickened liquids are of appropriate consistency before serving!?!

Point of serving is key time to ensure correct

texture and consistency.

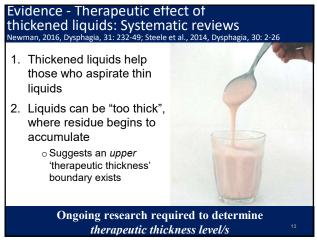
10

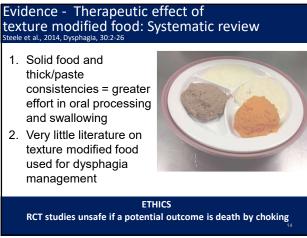
8

Systematic Review 2014

- Original literature search: 10,000 non-duplicate articles were found about the use of texture modified foods and thickened liquids for management of dysphagia.
- Relevance review: 488 articles remained
- Quality rating and inter-rater reliability: 36 articles were used to inform this review

12





13 14

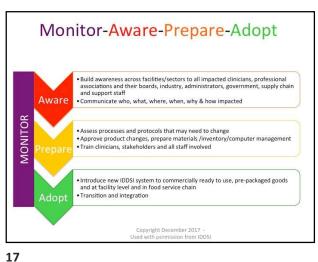


IDDSI Board of Directors Riquelme US & territories Julie Cichero

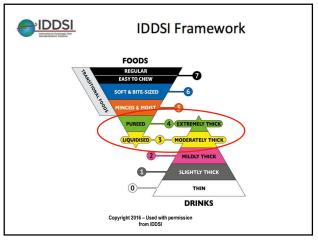
16

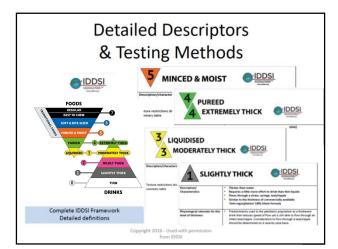
18

15

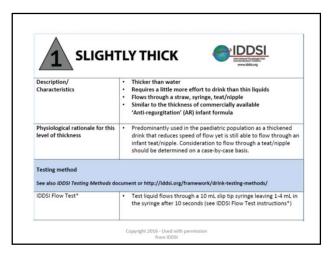


IDDSI Framework PIDDSI Cichero et al. (2017) Dysphagia, 32: 293-314 **FOODS** MODERATELY THICK DRINKS oods and liquids on a single continuum Relevant across the age span For all cultures and all care settings www.iddsi.org





19 20



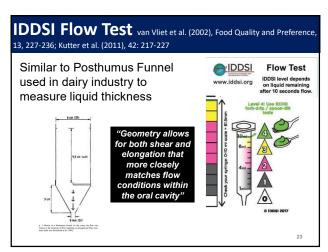
The Measurement Dilemma: LIQUIDS

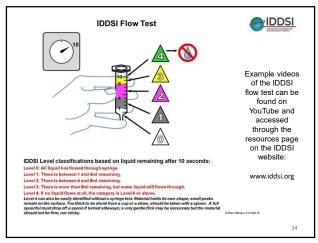
- Measuring viscosity is TOO complicated to use in kitchens as the basis for classifying thickness
- Need a simpler, but valid and reliable method for measuring thickness at the point-of-use

22

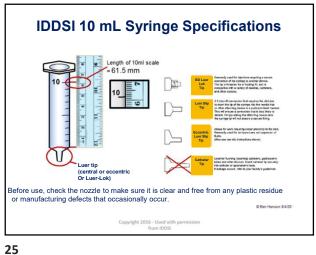
22

21





23 24





The Measurement Dilemma: FOODS

Particle Size:

27

- For hard and soft solid foods, a maximum food sample size of ~1.5 x 1.5 cm is recommended, which is the approximate size of the adult human thumb nail (Murdan, 2011).
- For minced and moist foods, a maximum particle size of 4 mm for adults and children 5 years and older is recommended.
- For under 5 years, 2 mm max particle size is recommended.

28

The Measurement of FOODS

IDDSI Fork Test:

· The slots/gaps between the tines/prongs of a standard metal fork typically measure 4

· This provides a useful compliance measure for particle size of foods at Leve 5 - Minced & Moist.



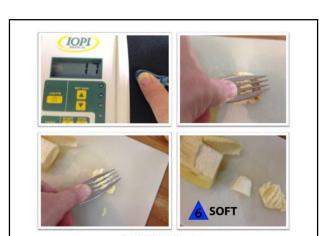


The Measurement of FOODS

IDDSI Fork Pressure Test:

- · A fork can be applied to the food sample to observe its behavior when pressure is applied.
- · Pressure applied to the food sample has been quantified by assessment of the pressure needed to make the thumb nail blanch noticeably to white.



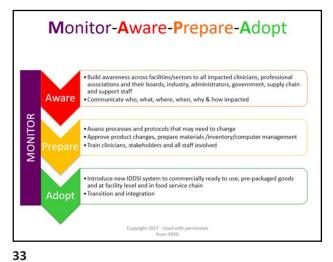


29 30





32 31



Visit the website IDDSI International Dysphagia Diet Standardisation Initiative Home IDDSI Framework Implementation Translations Resources FAQ Contact Us About Us Helping People with Dysphagia Around the World IDDSI International Dysphagia Dier Standardisation International Webinar Series **IMPLEMENTATION Nestle**

34





36



International Dysphagia Diet Standardisation Initiative

A global Initiative to improve the lives of over 590 million people worldwide living with dysphagia

Home IDDSI Framework Implementation Translations Resources FAQ Contact Us About Us

Resources

Do I need special permission to use these resources? The following documents have been developed by IDDSI and are for public use. You do not need to seek permission from IDDSI to share these documents and Images as long as you cite the Creatwecomone SNS-A AD license as follows:

The international Dysphagia Diet Standardisation initiative 2016 #https://ddsi.arg/framework/

Attribution is NOT #ERMITTED for derivative works incorporating any alterations to the IDDSI Framework that extend bayond language translation. Supplementary listice Medification of the diagrams or descriptors within the IDDSI Framework may be to confusion and errors in dest teature or disk seatcom for patients with dysphaga. Such errors have previously been associated with adverse events inclined proving and extensive formations.

General Resources Country specific Resources

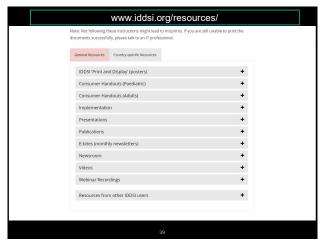
IDDSI 101 (Print and Post)

| MPLEMENTATION | |

38

40

37



Implementation

Adoption Posters

Conversion Charts

Audit Sheets

Labels of IDDSI Levels

MAPA Logos (by Country)

Foodservice

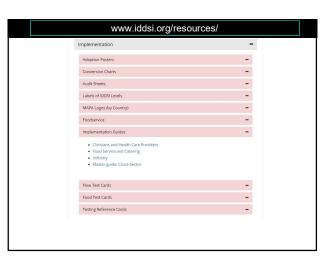
Implementation Guides

Flow Test Cards

Food Test Cards

Testing Reference Cards

39



Uho to team-up with? Who leads team?
Manager of RDs + Head of SLPs?
Manager of RDs + Food Service Manager?
Others?
Who "approves" the move to assess the potential for change?
Vice President?
Director?
Other?
Who are the next level of target supporters?
Entire SLP and RD team + Food Service
Others?

41 42

IDDSI-Aware

- · How to conduct training for mapping teams(s)?
- How to map current menus to the IDDSI Framework?
 - One group volunteers to map entire menu?
 - Create teams and divide menus?
 - Create teams and only map parts of menus?
 - Others?

43

How to coordinate the testing? Ensure interrater reliability?

43

44

46

Potential Transition/Implementation Steps

- Map thickened liquids (names and definitions) to the IDDSI standards
- Involve all front line staff and evaluate existing recipes, menus and diet breakouts: FS, RD, SLP?
- Take one food group at a time; or meal at a time; and gradually map to IDDSI standards
 - Provides built-in awareness & training
 - Allows adjustment of procedures and sustainable changes

Copyright 2017 - Used with permission

Examples of IDDSI Diet Orders

5 SOFT & BITE-SIZED + OTHIN

4 PUREED + MILDLY THICK

5 MINCED & MOIST + MODERATELY THICK

4 PUREED + EXTREMELY THICK

Copyright 2017- Used with permission from 100SI

Dinner WED 01/04/17 **Hot Food** Chopped Roast Beef 5 3 ounce 1/2 cup Diced Carrots 6 1/2 cup Mashed Potatoes 4 Beef Gravy 4 Blended Veg Soup LS 3 1/4 cup 6 ounce Trayline LS Veg Juice (V8) 1 each 1/3 cup Cottage Cheese 5 FF Chocolate Pudding 4 1 each Nectr Thk Decaf Coff 6 ounce Smart Balance 4 2 pkt

45

Dinner WED 01/04/17 6 SOFT & BITE-SIZED 1 SLIGHTLY THICK IDDSI **Hot Food** 3 ounce Chopped Roast Beef 5 1/2 cup Diced Carrots 6 1/2 cup Mashed Potatoes 4 Beef Gravy 4 Blended Veg Soup LS 3 1/4 cup 6 ounce Trayline LS Veg Juice (V8) 1 each Cottage Cheese 5 1/3 cup FF Chocolate Pudding 4 1 each Nectr Thk Decaf Coff 6 ounce Smart Balance 4 2 pkt

Develop a plan to introduce IDDSI

Communicate plan & consult all stakeholders

Copyright 2017 - Used with permission from IDDSI

Copyright 2017 - Used with permission from IDDSI

Copyright 2017 - Used with permission from IDDSI

47 48

IDDSI Implementation Plans

Once mapping is complete, PLAN should include:

- · Can kitchen handle transition? Tray assembly?
- · Food Service computer system?
- · Electronic medical records diet orders?
- When are other stakeholders brought in? Medicine. Nursing.
- · Roll-out on one unit or entire facility?
- · Roll-out entire menu or parts of it?

Copyright 2017 - Used with permissio

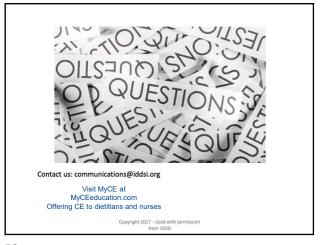
from IDDSI

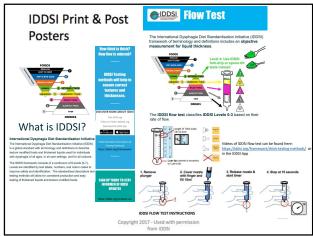
49



- Initial training session: all SLPs, all RDs, Food Service supervisors
- Mapping
 - _o 6 groups: SLP + RD
 - 。Created Worksheets
- Kitchen tools
- Menu issues
- Next steps...

51





50

