

Medical and Nutrition Issues

- GERD, Chronic vomiting
- · Delayed emptying
- Eosinophilic esophagitis
- Celiac disease
- G-tube dependence
- Vitamin Deficiency
- Food allergies
- Upper respiratory infections

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ARFID Definition

Behavioral Eating/Feeding Disturbance

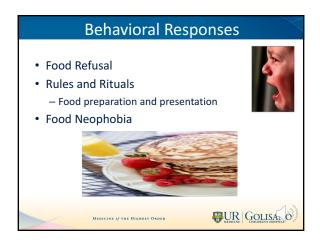
- Lack of interest in food or eating
- Don't seem to care about what other people eat
- Don't show hunger
- Concerns about aversive consequences of eating
- It might make me sick, It tastes bad

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- Avoidance based on sensory characteristics of food
- That looks gross, It's too sticky

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Questions	Picky Eaters	Feeding Disorder
Food Groups	1-2 foods per food group	Missing food groups (always vegetables, often protein and fruits also)
Selectivity – Brand & Container	Eat any kind of brands family buys	Only eats one specific brand or out of a certain box/container
Textures	Can eat a variety of textures	Eats mainly purees or crunchy foods
Food Refusal	Mild, verbal	Screaming, throwing food, passive anxious behaviors
Eating socially, in public	Can eat at a restaurant, friends house, parties	Bring food from home, Eat before going out, Don't go out to eat at all
Influences, Motivation	Because friends eat it, to get a favorite food	No interest in what others are eating, don't care about rewards of any kind
Mealtime Stress	Mealtimes are relatively pleasant.	Significant stress at mealtimes.

Classical Conditioning

- Classical Conditioning Model
- Aversive event was paired with eating,
- Reflux, pneumonia, feeding tube, choking
- Treat the illness, but food aversion remains
 What foods have you had a bad experience with?

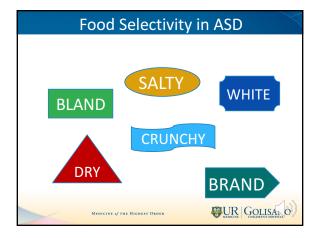


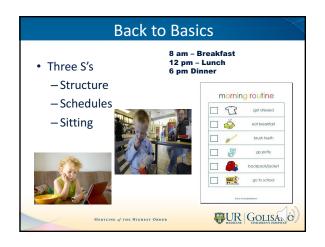
Origins in ASD

- Can note feeding problems early in infancy
- · Difficulty moving from baby food to table food
- Many children are good eaters up until around age 2, or when concerns were raised about ASD
- They slowly drop foods out of their diet and end up with a very narrow list of foods they eat.
- They can encounter aversive events as well.

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Structure Around Mealtimes

- Very difficult for families to maintain consistent mealtime schedules
- Families are active, busy
- Limited food choices when eating out
- Have more snacks than meals
- Family has different work schedules
- Different caregivers have different rules

Structure

- Basic routines and rules around eating
- Eating Areas
- Transitions
- Time Limits
- Rules/Expectations
 - Food stays at the table
 - Help set and clear the table

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Family eats together

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Do Children Experience Hunger?

- Children do not appear to be hungry
- No interest in other people's food
- Do not typically request food
- Do not eat when they do request food
- Eat a few bites and then are done







Grazing and Hunger

- Adults eat small frequent meals throughout the day to lose weight.
- It takes the edge off our hunger so we never feel really hungry or full.
- Affects children in the same way.

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• Milk alone can curb hunger and keep a child from eating their meal.

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Positive Mealtime Routine

- · Meals/snacks at the same time every day
- Need consistent schedule -weekends too
- At least three hours apart
- No grazing, Water only
- Activities between meals



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Sitting To Eat

- #1 behavior problem for meals
- Cant try new foods if we don't sit at the table
- Designate 1-2 places it is ok to eat at

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• Food stays at the table



- Set a timer easiest amount of time to start
- Rewarding sitting
- May need that high chair/booster seat again

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Make Meals Fun

- Take the Pressure Off!
- Practice new foods at snack time

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- Allow child to make choices
- S^oDon't talk about food (I like it, it tastes good, it's good for you, why don't you like it, it's good for you).
- Engage in positive interactions can describe food in general (salty, square, red)
- Ignore minor whining and complaining

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Mealtime Rules

- Eat what you asked for.
- "Taste with our tongue, not with our eyes."
- Positive conversation at the dinner table.
- 🚫 No TV, Video Games, Phones
- Stay seated until the family is finished eating.
- Assist with preparation and clean-up.
- Post the rules and follow them!

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How to Make Meals Easier

- Teach appropriate ways for the child to refuse - Use nice words
 - Ask for a break
 - Reduce the demand
 - Number of bites
 - An easier step
- · End on a Good Note

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Onset from Birth to 12 months

- Prematurity
- Delayed onset of baby foods or solids
- Introduce solids/table foods
- Disruptions in the developmental food continuum



Developmental Food Continuum								
	Age	Foods/Fluids	Feeding Skills	Motor Development				
	1-6 months	Breast milk only, per AAP	Suckle pattern	Improved head control around 4 months				
	4-6 months	Thin cereals	Decreasing tongue thrust Move gag reflex back	Open mouth for spoon Bring hands to mouth				
	6-8 months	Thick cereals Stage 1-2 Start w/ veggies	Munching Tongue moves front to back, up and down	Sits with balance (6 mo) Start holding bottle/cup				
	8-10 months	Table purees Soft mashed foods Meltables	Lateralize tongue, mid to side Finger feeding	Coordinates hand – mouth Improved cup drinking				
	10-12 months	Chopped foods Soft cubes Single textures	Emerging rotary chew (12 mo) Efficient bite	Works on spoon feeding				

<section-header> Critical / Sensitive Periods Need certain experiences/stimuli to move through developmental stages There are periods of development where we learn certain skills better than others Language, oral motor skills Ae months decrease tongue thrust, gag reflex Ao months decrease tongue thrust, gag reflex Aissing these stages can cause oral motor delays and create difficulty advancing textures

Other Considerations

- Developmental levels
- Protect airway
- Sit at a 90-90-90 angle
- Chewing and swallowing skills
- Coordinate hand to mouth for independence
- Encouragement, interaction, opportunity

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Breathing, Positioning, Eating

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Strategies for Infants and Toddlers

- First/Then
- Visuals
- Differential Attention
- Reinforcement
 - Contingent vs. Noncontingent
- Food Exploration?
- Self Feeding
- Responding to tantrums
 - Managing crying, Escape prevention

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Routines/Rituals Milk from a bottle, juice in a sippy Only mom can cook Smell everything first Specific order of events at meals Food must be cooked and served same way every time

• How are these patterns shaped?

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Reinforcement

- Children who aren't motivated by food itself will need extra incentives
- Want them to learn that trying new things is fun and results in good things
- Hope that over time, as they learn to like new foods, the flavor will take over and rewards can be faded out
- It is a necessary first step in trying new foods

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Characteristics of Reinforcement

- Contingent applied just to target behavior
- Specific child should know exactly what to
- do and what will happen if they do or don't
- Reasonable relatively easy to complete
- Immediate as soon as behavior occurs
- Each time reward each instance of behavior
- Use reminders Charts, PECS, etc

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<u>Value</u> – must be worth the effort to earn

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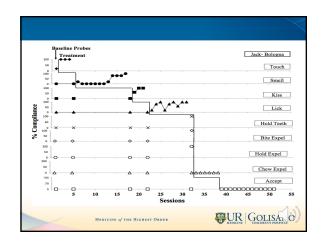
Myth or Fact?

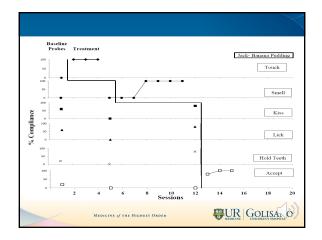
- Takes 10- 20 <u>offers</u> of a new/novel food for a child to learn to like it
- Put something new on their plate every day













Food Jags Food Chaining - Fade a Stimulus • Pair preferred foods with similar, but different Food Jags foods (e.g. plain vs. Honey Nut Cheerios) - Eat the same thing every day • Compare and Contrast – shape, color, texture, - Certain brands, containers smell, etc. - At some point they drop the food out and Goal is to learn the foods are more alike than won't go back to it they are different - Sometimes they do not replace it with other • Expand the varieties of foods in a category foods Turn an unhealthy choice into a healthy one • Children see anything different as "bad" Fraker, Fishbein and Walburt, 2007 WILDHEINE GOLISA WUR GOLISA O MEDICINE of THE HIGHEST ORDER MEDICINE of THE HIGHEST ORDER

Procedures for Food Chaining

- Always have the pair of foods
- Use the Steps to Eating
- Positive reinforcement
- Monitor behavioral reactions
- What differences are they getting stuck on?
- Keep track of their progress
- Moving to next brand/size pair with the primary preferred or the most recent one

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Chicken Nuggets Food Chain

- Chicken Nuggets McDonald's
 - Wendy's
 - KFC
 - White meat frozen nuggets
 - Pop corn chicken
 - Chicken tenders or strips***
 - Fried chicken (skin and chicken only, no bone)
 - Baked chicken (Rotisserie)

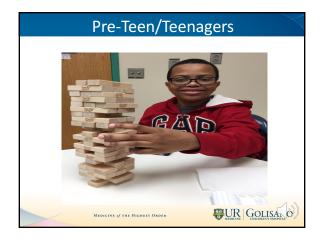
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Grilled chicken

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Where to Start
 Foods to offer Similar to foods they already eat By brand, appearance, preparation Match by texture, flavor, shape
 Foods to Avoid – Foods that have made them sick – Foods they show clear dislike for
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Choosing the "Just Right" Foods						
	1	2	3	4	5	
	үискү 🄀	NOT GOOD X	ок 🛧	GOOD	GREAT	
	PICKLES	GF BREAD	BROCCOLI	CRISP APPLES	STEAK	
	COLESLAW	ONIONS	HONEY DEW MELON	PEACHES	FRENCH FRIES	
	CABBAGE	PEPPERS	TURNIPS	PEAS	CHOCOLATE	
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Anxiety and Autism - Symptoms

- Must be different from behaviors we see commonly associated with ASD.
 - Not just poor communication, poorly judged non-verbal behavior, poor emotional regulation, or stereotypy
 - Persistent beyond typical developmental level
 - Overestimates the danger or fear
 - Does not need cognitive ideation

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- https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4231198/

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Behaviors to look for



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- Pacing, sitting on hands (self-restraint), tics or tremors not normally present, sudden changes in mood related to a specific event
- May be passive staring, ignoring, flat affect
- Active yelling, throwing, over focused on topic (can't let it go), repetitive question asking, overall increased agitation

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Managing Anxiety					
Concern	Strategy				
Negative Thoughts	Positive self-talk Coping/Relaxation Strategies				
Fear we will make them eat	Reassurance Take the pressure off				
Food overall is stressful	Distractions, reduce demand				
All or None Thinking	Rating scales				
Child doesn't recognize s/he is anxious	Learning Physical Signs Rating scales				
Specific rules/habits that promote anxiety	Logic/Humor Same vs Different				
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