More than picky eating: Diagnosing and treating ARFID

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Learning objectives

Upon completion of the instructional program, participants should be able to:

- 1. Recognize the three most common presentations of ARFID.
- 2. Describe two examples of how exposures can be applied to ARFID.
- 3. List three off-label medications used for ARFID.

Disclosures Peter DeVries, MD, and Nicole Stettler, PhD, have each declared that they do not, nor does thir family have, any financial relationship in any amount occurring in the last 12 monts with a commercial interest whose products or services are discussed in the presentation. The presenters have each declared that they do not have any relevant non-financial relationships. Additionally, all planners involved do not have any financial relationships. Further, Rogers Behavioral Health does not accept commercial support for its CE programs.

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What we'll cover in this webinar

Overview

- · History of diagnosis
- Diagnostic criteria
- Demographic overview
 Medi
- ComorbiditiesCurrently available

PsychopharmacologyFDA-approved medications

- Off-label medications
 Medication management of comorbidities
- comorbidities
- assessment tools

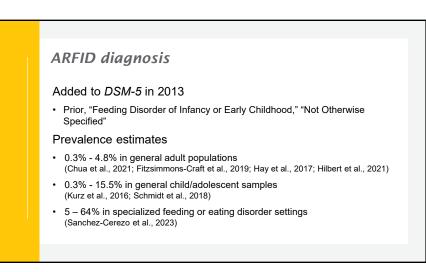
Therapeutic approach

- Exposure to novel foods
- · Exposure to body sensations
- Exposure to feared consequences of eating

Moderated Q&A









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DSM-5 diagnostic criteria

- · Eating or feeding disturbance
- Persistent failure to meet appropriate nutritional and/or energy needs as evidenced by at least one of:
- Significant weight loss or failure to achieve expected gain or faltering growth
- Significant nutritional deficiency
- · Dependence on enteral feeding or oral nutritional supplements
- · "Marked interference" with psychosocial functioning

*Not better explained by lack of available food or by culturally sanctioned practices

(American Psychiatric Association, 2022)



· Not meant to be an exhaustive list (Bourne et al., 2020)

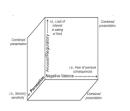
Presentations can overlap

(Zickgraf et al., 2019)

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Three-dimensional neurobiological model

- · Sensory sensitivity presentation
- · Abnormalities in taste perception
- Low appetite/lack of interest presentation
- · Abnormalities in homeostatic appetite
- · Fear of aversive consequences presentation
- Fear responsiveness



Thomas et al., 2017

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Diagnostic considerations

Very heterogeneous condition

- · Using more lenient definitions of each criterion can double the number of individuals diagnosed with ARFID (Harshman et al., 2021)
- Some criticisms that the diagnosis lacks specificity to effectively guide clinical and research efforts (Sharp & Stubbs, 2019)

Picky eating vs ARFID

· Among adult sample, differentiators included food neophobia, rigid eating behaviors, and eating from a range of \leq 20 foods, but not self-reported sensory sensitivity (Zickgraf, et al., 2016)

Assessment tools Semi-structured interview · Pica, ARFID, and Rumination Disorder Interview (PARDI; Bryant-Waugh et al., 2019) Self-report questionnaire • PARDI ARFID Questionnaire (PARDI-AR-Q; Bryant-Waugh et al., 2022) • Nine Item ARFID Screen (NIAS; Zickgraf & Ellis, 2018) · Recommended to use in combination screening tool for non-ARFID ED (e.g., EDE-Q; Burton Murray et al., 2021) • Eating Disturbances in Youth-Questionnaire (EDY-Q; Kurz et al., 2016)



Compared to patients with Anorexia Nervosa or OSFED, patients with ARFID...

- Younger at presentation (mean age 11.1 to 14.6 years; Sanchez-Cerezo et al., 2023)
- Higher proportion of males (21 to 50%; Sanchez-Cerezo et al., 2023)
- Typical weight and shape concerns (e.g., Barney et al., 2022)
- Similar dietary restriction to AN, but higher food neophobia (Becker et al., 2019)
- Preferred foods often energy-dense, high-fat, high-carbohydrate, processed
- · Diets tend to be low in vegetables and protein
- · Often chronically low weight instead of acute weight loss
- More delay discounting/preference for immediate rewards (Stern et al., 2024)

Co-occurring disorders

- DSM-5-TR criterion: eating disturbance is not attributable to a concurrent medical condition or not better explained by another mental disorder.
- When the eating disturbance occurs in the context of another mental disorder, the severity of the eating disturbance exceeds that routinely associated with the condition or disorder and *warrants additional clinical attention.*

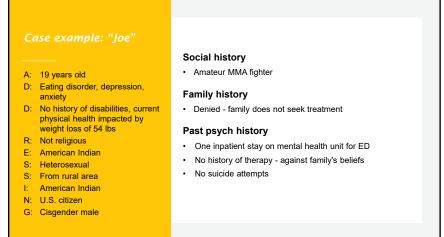
(American Psychiatric Association, 2022)

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Co-occurring disorders

- Co-occurring anxiety disorder prevalence is 9.1-72%
 - GAD most frequently reported (21.4-50%)
- Co-occurring depressive disorder prevalence is 7.2-47.6%
- Co-occurring ASD prevalence is 8.2-54.75%
 - · Estimates that 21-28% of youth with ASD are at high risk for ARFID
- Co-occurring ADHD prevalence 16-26.2%
- · Comorbidity with GI reported in 19.4-43.8% of patients with ARFID

(MacDonald, et al., 2024; Sanchez-Cerezo et al., 2023)



Case presentation: Subjective

HPI

Psych ROSAnxiety

- 4-months of restricting after choking episode
- Consuming primarily ensures
- · Anxiety about swallowing saliva
- · Weight loss of 54#
- · Desires weight gain and to "bulk up"

Alcohol and other drug abuse

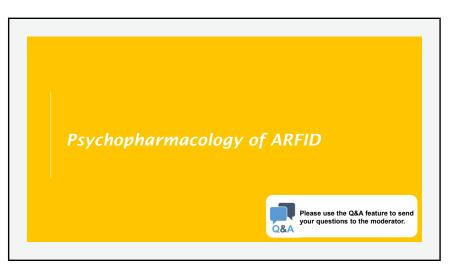
- Infrequent marijuana use. None recently.
- No alcohol or illicit drug use
- Depression
 Low mood, low energy, anhedonia, hopelessness, passive SI
- Medical ROS
- Weakness/fatigue

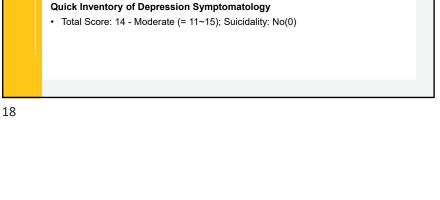
palpitations

- Chest pain
 - Dyspnea
 - · Intermittent dizziness with standing

· Restless, muscle tension, dyspnea,

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Case presentation: Intake assessments

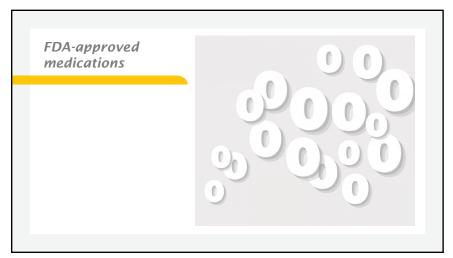
Quality of Life Enjoyment and Satisfaction Questionnaire

• Total Score: 2.76; Restraint(3), Eating Concern (2), Shape Concern (3.25),

Eating Disorder Examination - Questionnaire

Weight Concern (2.8)

Total Score: 55.36



Antipsychotics

Aripiprazole

 Case study: Decrease in anxiety with meals, improved intake, weight gain (Colak Svri, et al, 2018)

Olanzapine

 Retrospective chart review of 9 patients: Reduced anxiety, depression; improved weight and CGI scores (Brewerton & D'Agostino, 2017)

Risperidone

Case study: Increase PO intake, weight gain; decrease misphonia symptoms (Naguy, et al, 2022)

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Medications not FDA-approved

Antidepressants

Mirtazapine

- Retrospective chart review of 14 patients: Improved weight gain (Gray et al, 2018)
- Case study: Reduced anxiety, nausea and improved appetite, weight gain (Naviaux, 2019)

SSRIs (+Hydroxyzine)

 Retrospective chart review of 53 patients: Improved compliance and participation in food exposures; improved weight, mood, and anxiety (Mahr et al, 2022)

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Medications not FDA-approved

Anxiety medications

Buspirone

 Case study: 14F with fear of abdominal pain and emesis; reduced fear of vomiting and improved eating (Okereke, 2018)

Medications not FDA-approved

Miscellaneous

Cyproheptadine

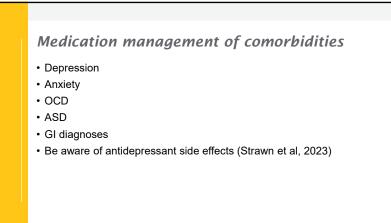
 Systemic review: anyone underweight; No documented ARFID; Weight gain (Harrison et al, 2019)

D-cycloserine

• Double-blind placebo-controlled trial: 15 children ages 20-58 months; augments extinction of food aversion (Sharp et al, 2017)

Stimulants

• Two case studies: Worsening appetite suppression, stunting of growth (Pennell et al, 2016)



 Case example: Medication management

 Starting medications
 Medication changes

 • Sertraline (liquid)
 • Hydroxyzine 25mg tidac-->50mg tidac

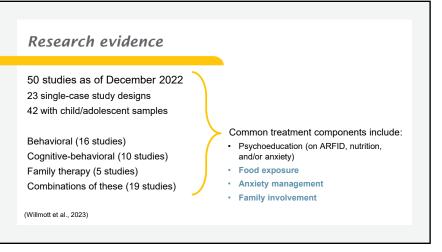
 • Depakote (sprinkles)
 • Sertraline 100mg daily-->150mg daily-->200mg daily

- Lorazepam 0.5mg BID--> Clonazepam ODT 0.25mg BID-->Clonazepam 0.25mg TID
- Risperidone 0.5mg BID PRN

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• Risperidone (ODT)





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Applying exposure therapy to ARFID

Food exposure

· Feared or avoided foods

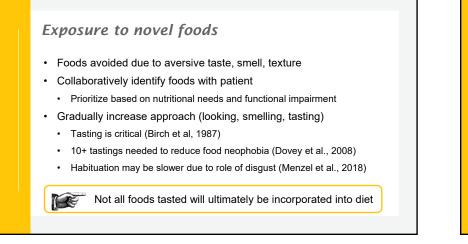
Anxiety management

- Feared or avoided body sensations
- · Feared consequences of eating

Family involvement

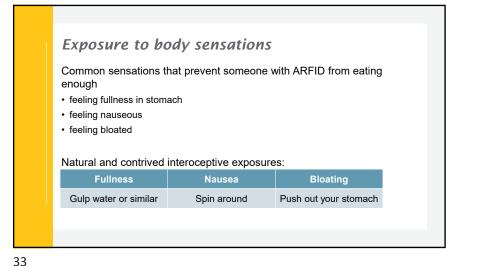
Address symptom accommodation (naturally increases exposure opportunities)

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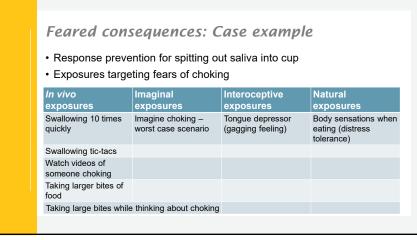
Food exposure: Case example

- · At admission, only consuming Boost, ice cream, and milk
- Created fear food hierarchy based on unit menu
- Started with foods rated around 3 or 4 (0 to 7 scale)
 - Soup
 - Yogurt
 - Mashed potatoes
 - Peanut butter
- Initially started with a couple of bites, then increased in volume
- Repeated exposures
- · Maintained previously worked on foods while adding new



Exposure to feared consequences Many possible feared consequences – need to assess Fear of vomiting Fear of choking Fear of allergic reaction In vivo exposures Imaginal exposures Response prevention for safety behaviors (e.g., checking labels, cutting into small bites)

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Family involvement: Accommodation

- Maintenance factor for anxiety disorders, OCD, and other eating disorders
- Associated with more severe symptoms, worse treatment outcomes, and caregiver/family burden
- High levels of symptom accommodation reported in caregivers of youth with ARFID (e.g., Wagner, et al., 2020)
- Accommodation includes:
- Participation in symptoms-driven behaviors (e.g., only buying preferred foods)
- Modifications to family routines or schedules (e.g., only going out to certain restaurants with preferred foods)
- Psychoeducation
- · Gradual, collaborative reduction in combination with exposure assignments

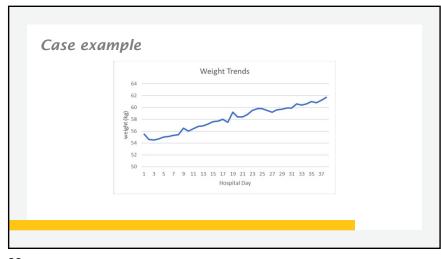
- Parents did not participate in treatment
- Addressed accommodation with others in environment in this case, staff
 - Reassurance seeking e.g. "am I going to choke?"
 - Initially sat by himself at meals/snacks due to feeling overwhelmed, but was able to re-integrate into group over course of admission
 - Focus on calories in with "safe" foods at first, then gradually reducing accommodation in concert with exposures

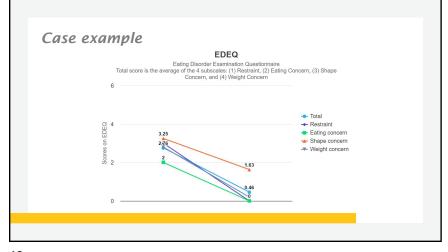
Case example: Discharge

- Was no longer spitting out saliva into a cup
- · Had re-introduced several foods back
- · Was eating staff-selected meals and snacks
- · Was taking normal sized bites of food
- · Had transitioned some medications from liquid/powder to tablets
- Demonstrated weight restoration and improvements in eating concerns

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Where to get additional information...

ARFID news, publications, and resources for providers and families: <u>https://www.arfidcollaborative.com/welcome</u>

Several ARFID assessment measures and resources available here: https://mccaed.slam.nhs.uk/professionals/resources/featured-resources/

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Massachusetts General Hospital online training in CBT for ARFID: <u>https://lms.mghcme.org/CBTforARFIDMar2023</u>

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