

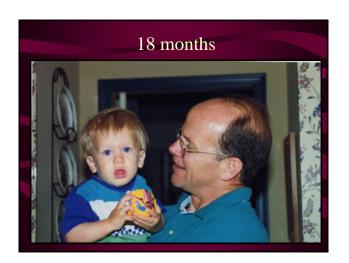
#### Who Am I and Why and I Here?

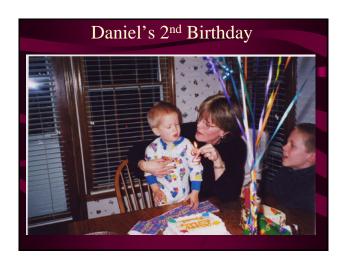
- Just a DETERMINED Mom
- My fourth child Daniel was diagnosed with Autism at age 2.5 years
- Through intense pursuit of knowledge, I learned how I could help my child and become his Advocate
- After 4 yrs of interventions, at age 6.5, Daniel is considered recovered
- Tell my story to educate and inspire hope
- Manager of New Beginnings Nutritional















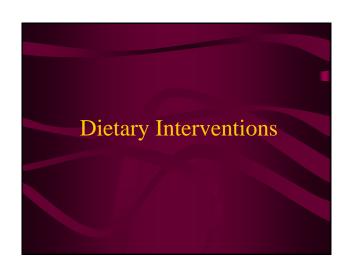


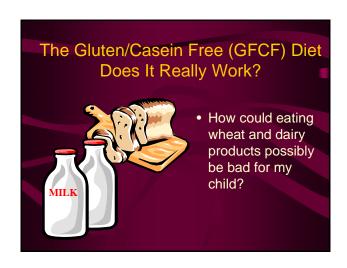
# Other Warning Signs • Spaced out • Video-aholic • No interest in others • No normal play • Sensitive to sunlight • Poor receptive / expressive language • Unexplained crying spells • Excessive drooling • Sensory issues

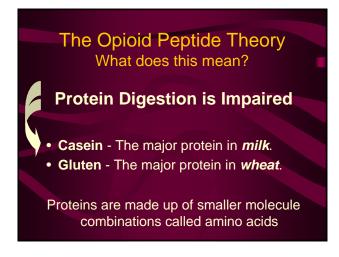


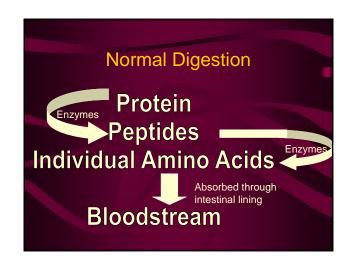
# Going From Depressed to Determined • Early Intervention Therapist • Dr. Shaw's Book - Biological Treatments for Autism and PDD • Karyn's Seroussi's - Unravelling the Mystery of Autism and PDD • DAN! Physician • Lab Testing

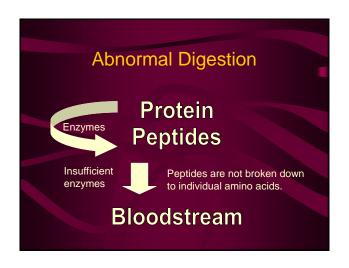
## What you should know about testing through the Great Plains Laboratory Main focus is Autism and related disorders A pediatric-focused laboratory – reference ranges account for both children and adults preventing false high and low values. Cares about accuracy: Participates in proficiency testing with other labs Runs in-house split samples to check internal accuracy Reference Ranges verified by scientific literature and inhouse studies of both normal and abnormal populations











#### Abnormal Digestion (cont.)

- Excessive amounts of peptides are measurable in the urine
- These peptides are called-Gliadorphin from Gluten
   Casomorphin from Casein
- Creates an opioid effect (like morphine) by binding to opiate receptor sites in the brain and gut.
- Studies how higher levels in urine in Autism

#### Symptoms can include:

- Spaced-out effect
- Constipation/diarrhea
- High pain tolerance
- Negatively affect brain function (speech and auditory integration)
- Limited food choices

### Does the gluten and casein free diet work?

- Research studies of Cade, Reichelt, and Shattock showed improvement in approximately 80% of autistic individuals who STRICTLY removed gluten and casein from their diet
- The younger the child, the more dramatic the improvement.
- Many AD(H)D individuals have also benefited from the diet.
- Eliminate **Soy** in the diet because the protein structure is similar to gluten and casein.

## How do I know if my child will benefit?

- Do they exhibit any signs? (spaced-out, high pain tolerance, limited food choices, constipation/diarrhea, etc.)
  - Have urinary peptides and IgG food allergies tested.
- Do a strict trial GF/CF/Soy free diet for at least 4 months.

#### Daniel's Progress on the Diet

- Marked improvement in receptive/expressive language
- · Spaced-out effect gone
- · Crying spells eliminated happier child
- · Increased awareness of others
- · More effective therapy sessions
- Increased interest in toys
- Constipation disappeared
- Decrease in sensory issues
- Cured chronic sinus infections & asthma
- Gluten infraction caused serious regression

## What are the causes of this digestive abnormality?

- Genetic predisposition to immune system dysfunction?
- Vaccine damage?
- Leaky gut? (yeast and food allergies)
- Heavy metals? (mercury)
- Body of scientific research clearly identifying root causes is growing.

#### How can I possibly do this diet?

- Do a Food Allergy Test
- On-line resources (gfcfdiet.com, gluten-free sites)
- Local support groups
- Start gradually (first remove casein, then gluten)
- Start with replacing the favorite foods
- Be determined! this food may be poison to your child.

- Be prepared for withdrawal symptoms
- Give it at least 4 months (100%) before deciding to quit.
- Avoid hidden ingredients
- Avoid contamination with utensils, etc.
- Many children eat better once gf/cf
- Consider Juice Plus for poor eaters
- · It gets easier with time

#### What about Food Allergies?

- IgG and IgE allergy tests can be helpful
  - **IgE** Traditional Allergies (immediate, hives, etc.)
  - **IgG** Food Sensitivity (delayed reactions, behavior)
- Often see elevated IgG antibodies to milk/cheese/gluten.
- Improvements seen when other problem foods removed.
- Some have phenol sensitivities (brightly colored fruits/vegetable, food dyes, etc.)

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#### Other Helpful Suggestions

- When yeast is an issue, avoidance of sugar, fruit juices and products with yeast is important
  - Xylitol and Stevia
- Avoid processed foods and buy organic whenever possible.
- Drink only purified water
- Avoid artificial colors, trans-fatty acids, nitrates, and other preservatives in food
- Don't get overwhelmed moving ahead slowly is better than not doing anything at all



#### Reasons to give supplements for autism and PDD

- Dietary deficiencies due to special restricted diet
- Malabsorption problems due to lack of digestive enzymes or abnormal gastrointestinal flora
- Need for higher than normally recommended amounts due to abnormal metabolism or inborn errors of metabolism
- Help to detoxify toxic chemicals
- Prevent oxidative stress
- Contribute to the overall health of your child

#### Vitamins and Minerals

- Calcium Citrate/Chelate: 1000 mg (if GFCF diet)
- Magnesium: 150 300 mg
- B vitamins -
  - B6, Methylcobalomin, Folic acid, Niacinamide, Riboflavin, B-12 (methyl cobalamin)
- Zinc: 25 50 mg
- Selenium: 50 300 mcg
- Cod Liver Oil 25,000 IU Natural Vitamin A

Avoid copper containing supplements

#### **Antioxidants**

Give in divided doses

• Vitamin C (buffered): 1000 mg

• Vitamin E: 200 – 400

• Vitamin A: 1000 – 3000 IUs

• **Beta Carotene**: 5000 – 50,000 IUs

• Co-Enzyme Q10: 50 mg.

• **Glutathione: 100** – 250 mg

Antioxidants are critical for protecting the cells from damage from toxins and stress!

#### Other Important Supplements

- Essential Fatty Acids (omega 3s)
- Additional Vitamin B6
- Probiotics (Good bacteria)
- Digestive enzymes (heal gut, improve digestion)
- Natural anti-fungals (yeast control)
- Melatonin (for sleep issues)
- GABA and 5-HTP (anxiety, hyperactivity)
- Taurine (aids metabolism, immune system)
- Methylcobalamin (Vitamin B-12)

#### Important Things to Remember

- Nutritional supplements are only one piece of the puzzle
- Each child's biochemistry is unique: Testing can help determine deficiencies
- Purchase only high quality, gfcf supplements
- Try one at a time (every 3-4 days)
- · Some shouldn't start with a full dose
- Be prepared for trial and error

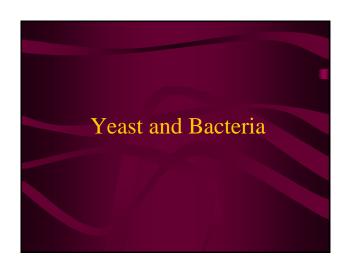
#### How Supplements helped Daniel

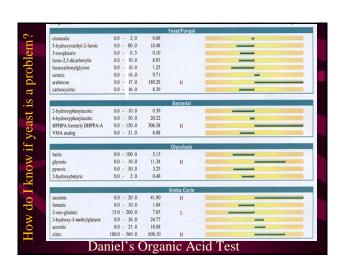
- Immune system stronger (Colostrum, zinc)
- Eliminated Side glancing (Cod Liver Oil)
- Eczema cleared
- Increased cognitive abilities
- More calm and focused
- Began gaining weight (digestive enzymes)
- Maintained better yeast/bacteria control
- Overall better health

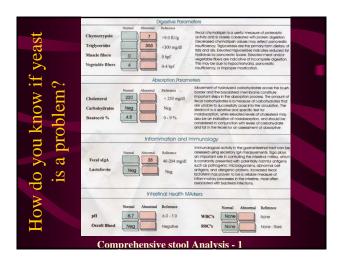


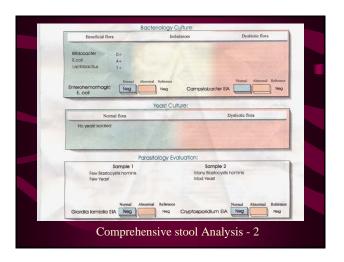
### Helpful Hints for giving supplements to young children

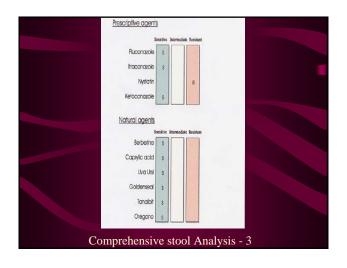
- Take a no nonsense sequential approach First they must swallow/or
  eat "this" Then they can do something they want (eat, watch TV,
  play, etc.)
- Open capsules and mix into small amounts of apple, pear, peach sauce, or mix into small amount of orange juice and use syringe
- Reward them immediately afterwards with a good tasting supplement they like (gummy vitamins, chewable vitamin C, etc) They will associate the bad with the good
- Not a good idea to try to hide into food.
- Don't let them win. They will stop fighting you if they know it is a losing battle.











## Consequences of yeast and bacteria overgrowth

- Impaired cognitive function
- Carbohydrate intolerance
  - Abdominal distension
- Intestinal permeability/food allergies
  - Hypoglycemic symptoms
  - Behavioral Abnormalities
    - Sleep Disturbances

## How to control yeast and bacteria overgrowth

- Probiotics (rotate good bacteria)
- Control sugar/carbohydrate intake (Xylitol)
- Nonprescription anti-fungals (grapefruit seed extract, goldenseal, olive leaf extract, caprylic acid/MCT oil, uva ursi)
- Prescription anti-fungal (Nystatin, Diflucan, Sporanox, Amphotericin B, Nizoral, Lamisil, etc.)

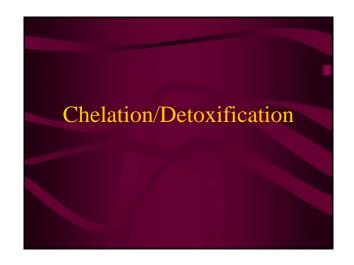
### Side effects associated with yeast "die-off" reaction

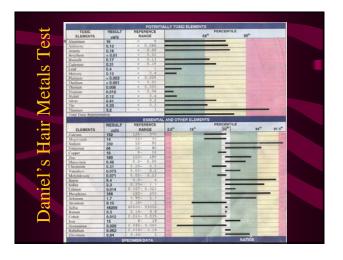
- Lethargy (tiredness)
- Fever
- Increased stereotypical behavior
- Increased hyperactivity
- Nausea and vomiting

Alka-Seltzer Gold and Activated Charcoal can neutralize some of the toxic acid produced

#### Positive Responses to Anti-Fungal Therapy

- Increased focus and concentration
- Decreased hyperactivity
- Better sleep patterns
- Increased vocalization and speech
- Increased socialization
- Reduced aggressive behavior
- Reduced self stimulatory behavior (STIMS)





## Chelating Agents DSMA – (meso-2,3-dimercaptosuccinic acid or Succimer), FDA approved for use in children with lead poisoning, extensive safety record, available without a prescription. TD-DMPS – (2,3-dimercaptopropane-1-sulfanate). Previously given orally and by I.V. Transdermal form (DMPS – TD) now available. EDTA – (calcium disodium) IV, oral, or suppository

\*\*\*Anyone attempting chelation should only do so under the supervision of a knowledgeable medical professional

#### Chelating Daniel

- 25 Mg. DMSA, every 4 hours
- 3 days on, 11 days off
- Increase Antioxidants (Vitamins A, C, E)
- Supplement with extra Minerals/Zinc
- Milk Thistle for liver protection
- Drink lots of liquids
- Side effects lethargy, cold symptoms
- Steady improvement seen after each cycle

#### Far Infrared Sauna Therapy (FIR)

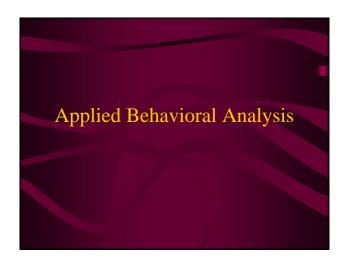
- Sweating allows detox through the skin
- FIR allows sweating at low temperature
- Detoxifies heavy metals AND chemicals
- Reduces pain and inflammation
- Recommend Sunlight Saunas
  - Wider/more even distribution of FIR waves
  - No glues, plastics, hypo-allergenic wood
  - Portable sauna available (SOLO system)

#### Ionic Footbath

- Non invasive and easy detoxification method
- Sit for 20 minutes with feet in warm water
- Detoxifies metals and chemicals (i.e. aluminum, chlorine, copper, lead etc.)
- Water becomes very dirty like sludge
- Bypasses the intestinal tract and liver
- Results seen with 5-10 treatments
- Treatments average \$30-\$40
- Unit cost averages \$3,000 (10% discount for autism)

#### How Daniel Improved

- Improved focus and concentration
- Needed less prompting at school
- Handwriting and creative writing improved
- Improvements in mental reasoning and overall cognition
- The last piece of the puzzle that helped my son no longer need an IEP.
- We give footbaths every other day



- One-on-one setting
- Teach in small measurable steps with repetition
- Use of reinforcers
- Scientifically proven to be the most effective way to teach children with autism
- Not just for "low functioning" children
- Expensive but worth it.

- Early childhood "center based" classrooms not always adequate
- Helped teach Daniel abstract concepts
- Enabled him to catch up faster to his chronological age level
- Combined sensory, fine and gross motor, play therapy, and academic programs

#### Final Important Points

- Be a DETERMINED PARENT persevere
- Don't be deterred by cost of treatments (cannot count on insurance)
- Continually research new treatments (conferences, books, internet list serves)
- Be your child's medical and educational advocate.
- Successes will vary not all kids will recover but many will see significant improvement!
- The whole family can benefit but don't forget to take care of Mom too!

## Alternative treatments that may be an important piece of the puzzle for your child

- Osteopathic manipulation/cranial sacral
- Energy healing modalities (NAET, Bioset)
- Homeopathic remedies
- Far infrared saunas (sunlight saunas)
- Ionic Footbaths
- Hyberbaric oxygen therapy (HBOT)

Seek referrals by other parents

#### Where we are today...(7 years)

- Mainstream 2<sup>nd</sup> Grade
- No longer requires IEP
- Plays appropriately with peers
- Responsive and engaged with environment
- · Academically advanced
- · Still struggle with yeast
- Normal expressive & receptive language
- · Daniel's recovery is managed



