# **Detox Diets** DUMMIES Learn to: • Understand the body's natural detox systems Choose a detox method that's right for Rid your body of toxins safely and without side effects corrected strengthen

• Daily toxic exposure and it impact on health and behavioral development Gerald Wootan D.O., M.Ed.

### Neuropsychiatric Disorders

•Conditions in which the chemical or electrical activity of the brain is altered in a way that alters behavior or function

# Not just spectrum disorders

Neuropsychiatric disorders that are rising as fast as spectrum disorders that were rare 100

# • Major congenital heart defects (1%) Children with major neuropsychiatric disorders (16.6%)

### Psychiatric diagnoses are man made

Broken leg—no question

Depression—five of thirteen symptoms

## ADD to Austism

- Too much is made of a "diagnosis".
- The issue is whether or not there are behaviors that are not beneficial for

#### Genetics

Epidemics cannot be explained by genetics alone. People still chase each other around the same way they always have and there was no Autism 100 years

- Genetics determines the limits for any human function short vs tall run slow vs run fast detox slowly vs detox rapidly

#### Historically all people detoxed adequately

- Foods contained more vitamins, minerals and
- Before the 1950's **everyone** went through a 3 month sauna every summer. Sweating can remove 1/3 as much toxin as the kidneys can.

### What is a toxin

Any substance that your body cannot use in a purposeful way or that requires energy or resources to

### How do toxins affect us?

- Block chemical reactions

- Damage DNA Reduceelimination of other toxins Cause inflammation Disrupt cellular function

How do we get toxins?

- Maternal
- Physiologic
- Ingest
- Topical
- Inhaled

# Maternal

- Red Cross nurses drew umbilical cord blood during delivery of babies.
- The analysis of the blood showed that the babies averaged detectable levels of 286 of the top 300 toxic chemicals.

### Physiologic

• Normal metabolism in the body

### Ingestion

- Food products can contain pesticides, chemicals from fertilizers, bacteria and food additives that are not food. Pesticides cannot be removed from many fruits and
- Kids eat worms and mud pies. Thevery strong HCI acid in the stomach can neutralize and sterilize manyof these. Be cautious of acid reducers.

### Topical

- Since the skin is waterproof we don't think of it as an organ for absorption of chemicals
- Any substance that contacts the skin can be absorbed into the body. This includes lotions, oils creams, sunscreen, as well as sprays that land on the skin. Read the labels.

#### Inhaled

- Any substance in the air we breath is taken directly into the body. If you smell something it means that the substance is already in the body and has affected the brain.
- Consider: room spray, carpet spray, aromatic cleaners, perfume, insecticides. Read the labels and see if it is something you want in your families brain.

### Where do toxins come from

- Soil

### **Common Sense**

The substances that are toxic to Americans cannot be avoided completely, but if you don't recognize what is toxic you cannot avoid them.

Avoid as much as you can

### **EPA Standards**

- human
- If there has been no testing the release is approved.

#### Soil

• Fertilizer 5-5-5 City vs Farms Industrial Waste •Water treatment biosolids Insecticides

EPA)

#### Water

- Animal and human drugs, hormones, and other chemicals are not removed from city water. Drugs and chemicals are collected from an entire

- Bottled water is under control of the FDA and there have been no standards established for testing Plastic water bottles release estrogenic chemicals Sperm count in American men has dropped 50% since 1960 40% of bottled water is straight unfiltered tap water.

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#### Air

- Lead—paint, gas, H2O pipes
- Mercury-coal power plants
- Formaldehyde—leather, plywood, particle board, vaccines
- Benzene—coal, gas, oil, rubber, inks, plastics, medications, soft drinks (benzoic acid)

# Home Air

- Perfumes & colognes Pesticides & Yard Chemicals

### Food

- Additives—2,800 chemicals allowed by the FDA to be added to food that are not food and must be actively removed by the body (preservative, increase flavor and
- A comparison of analysis of a can of spinach canned in 1940 with a can of spinach canned in 2000, showed the spinach canned in 2000 had only 41% of the nutrition of spinach canned in 1940.

#### **Sweeteners**

- SWCECLENCELS Aspartame—Declined by the FDA for 16 years At 86 degree F it breaks down to wood alcohol→ Formaldehyde→ Formic acid High Fructose corn syrup—A 2009 Dept of Agriculture study show detectable levels of mercury in 80% of hfcs samples. Splenda—chlorine add to sugar. In the same family as DDT and chlordane Stacking—Many ingredients are stacked so they will appear lower on the ingredients list (maltose, lactose sucrose, fructose, dextrin, Galactose, Glucose)

#### Protein

• Chicken—Roxarsone is a chemical added to chicken feed to help kill parasites but breaks down to arsenic. The Institute for Agriculture and Trade Policy sampled 155 over 50%. They sampled 90 fast food chicken products and found arsenic in 100%

#### Protein

Beef—Man has lived off beef since the beginning of time. Humans and animals stuff toxins into fat cells when they cannot be removed otherwise. Commercial beef production is very toxic with antibiotics, steroids, sex hormones and pesticides.

warning on every creek, river and lake for mercury toxicity. 92% of the east coast and 100% of the gulf coast are under a warning.

#### **Additives**

- Monosodium glutamate—Excitatory
- Sodium benzoate—Neurotoxin and
- Food dyes—Made from coal tar. The same stuff that is on the street. This is what is used to color

#### Gluten

- A protein found in wheat, barley, rye and some oats
- Associated with brain dysfunction, bowel

#### Milk

- Homogenized and pasteurized—
- Can contain up to 56 different antibiotics

#### Cholesterol

- The body makes more cholesterol in a day than you could eat if you ate beef fat all day.
   Would the body make so much of something if it were harmful.
- 6% of people died of heart disease and they lived off bacon, beef, fried everything in lard, lots of eggs and

### Packaging

- . Associated with Cancer, miscarriage, obesity, heart disease, early puberty and hyperactivity
- Used in can linings, baby bottles and sippy cups. EPA—20% of food in the U.S. is packaged with BPA

### Packaging

#### • Phalates

- disease

### **PFOA & PFC**

- Perfluorochemicals
- Probable carcinogens
- Found in nonstick cookware and grease resistant food packing.

### **Internal Toxicity**

- Metabolism
- Antibiotics—The colon has about 7 pound of friendly bacteria that help process our food. A single round of antibiotics will kill up to 80%, allowing pathologic
- Abnormal flora create neuro-active toxins, leakygut and immune dysfunction.

### Heavy Metal Toxicity Extremelycommon

• Cannot be determined by blood test

- Hair analysis only helpful for time of hair growth
- Oral and rectal chelator challenge test

### Mercury

- The most toxic substance on earth for man other than plutonium.
- The amount of mercury in an old thermometer will poison a 27 acre lake. There is no safe level of mercury.
- 50 tons are released into the air from coal fired power plants annually.

#### Mercury

- Amalgam dental filling called silver fillings are 2%

### Lead

- have lead paint.
- Imported toys are repeatedly found to contain lead and other heavy metals. Lead from decades of gasoline use did not evaporate when they stopped adding it to gas.
- Is found in pewter, lead crystal glass, stained glass and larger candle wicks.

#### Vaccines

- Measles vaccine is grown on cell lines from aborted human fetuses
- Poliovaccine is grown on green monkey kidneys. Over 40 monkey viruses have been identified in the vaccines The original Rotavirus vaccine killed 200 babies before it was taken off the market. The current vaccine contains a pig virus of unknown source.

### What to do

- Tell everyone you know that may be planning a pregnancy to start detoxing ASAP Do a bowel detox that will remove abnormal flora and replace normal flora.

- Remove all toxic insecticides and pesticides Use natural home cleaning products or vodka

### What to do

If you can't pronounce all of the ingredients in a food don't eat it.

- If it is white or started out white avoid it. Shop the perimeter of the grocery store and stay away from the central isles.
- Use stevia as a sweetener Use organic poultry and beef as much as possible Useonly wild Atlantic Salmon for fish Read labels, read labels, read labels

### What to do

- Use commercial fruits and vegetables that do not absorb pesticides, all others organic.

- Remove plastic wrapping ASAP Invest in stainless steel cookware

## What to do

- Store food only in glass containers
  Avoid microwaving but never in plastic
  Consider heavy metal testing
  Fully investigate vaccines
  Supplement with a quality multivitamin/multimineral, vitamin C, EPA-DHA and antioxidants
  Sauna, Sauna



