Cadmium (Cd) - Neurological Cause

- Elevated Cd associated with learning disabilities, high anxiety, delinquency and dyslexia in children
- Inverse relationship between hair Cd and intelligence scores in children & adolescents

Env Res (1981) 25:325-39 Clin Chem (1981) 27:879-81 Arch Environ Health (1982) 37:159-66

Problem Behavior	High Lead Odds Ratio for Exhibiting Behavior	High Cadmium Odds Ratio for Exhibiting Behavio
Makes *disturbing or suspicious* remarks about actions of others towards him/her	7.744**	7.167*
Somatization. Reacts to stressful situations or changes in routine with general body aches, head or stomache aches, nausea	3.398*	3.826*
Utters nonsense syllables and/or *babbles* to himself/herself	4.533*	6.429*
Anxiety. Expresses concern about something terrible or horrible happening to him/her	12.118**	3.212

HAIR ELEMENTS

LAB#: H071123-0452-1
PATIENT: Marty L Cann
SEX: Male
AGE: 3

CLIENT#: 28743
DOCTOR: Michael Sichel, DO
Fountaindale
Po Box 5054
Chittaway Bay, Nsw, 2261 AUSTRALIA

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT µg/g	REFERENCE RANGE
Aluminum	29	< 9.0
Antimony	0.089	< 0.066
Arsenic	0.43	< 0.090
Beryllium	< 0.01	< 0.020
Bismuth	0.012	< 2.0
Cadmium	0.29	< 0.15
Lead	19	< 1.0
Mercury	0.67	< 0.40
Platinum	< 0.003	< 0.005
Thallium	< 0.001	< 0.010
Thorium	0.005	< 0.005
Uranium	0.013	< 0.060
Nickel	0.50	< 0.40
Silver	0.12	< 0.20
Tin	0.62	< 0.30
Titanium	0.92	< 1.0
Total Toxic Representation		

PERCENTILE: 68th, 95th

ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT µg/g	REFERENCE RANGE
Calcium	227	125 - 370
Magnesium	23	12 - 30
Sodium	140	12 - 90
Potassium	190	12 - 40
Copper	12	8.0 - 16
Zinc	93	100 - 190
Manganese	2.7	0.20 - 0.55
Chromium	0.83	0.26 - 0.50
Vanadium	0.17	0.030 - 0.10
Molybdenum	0.15	0.050 - 0.13
Boron	1.5	0.60 - 4.0
Iodine	3.0	0.25 - 1.3
Lithium	0.017	0.007 - 0.023
Phosphorus	141	160 - 250
Selenium	0.69	0.95 - 1.7
Strontium	1.1	0.16 - 1.0
Sulfur	49400	45500 - 53000
Barium	1.9	0.16 - 0.80
Cobalt	0.047	0.013 - 0.035
Iron	35	8.0 - 19
Germanium	0.038	0.045 - 0.065
Rubidium	0.24	0.016 - 0.19
Zirconium	0.11	0.040 - 1.0

PERCENTILE: 2.5th, 16th, 50th, 84th, 97.5th

SPECIMEN DATA

COMMENTS:

Date Collected: 11/14/2007
Date Received: 11/23/2007
Date Completed: 11/28/2007

Methodology: ICP-MS

Sample Size: 0.2 g
Sample Type: Head
Hair Color: Brown
Treatment:
Shampoo: Nic

V06.99

RATIOS

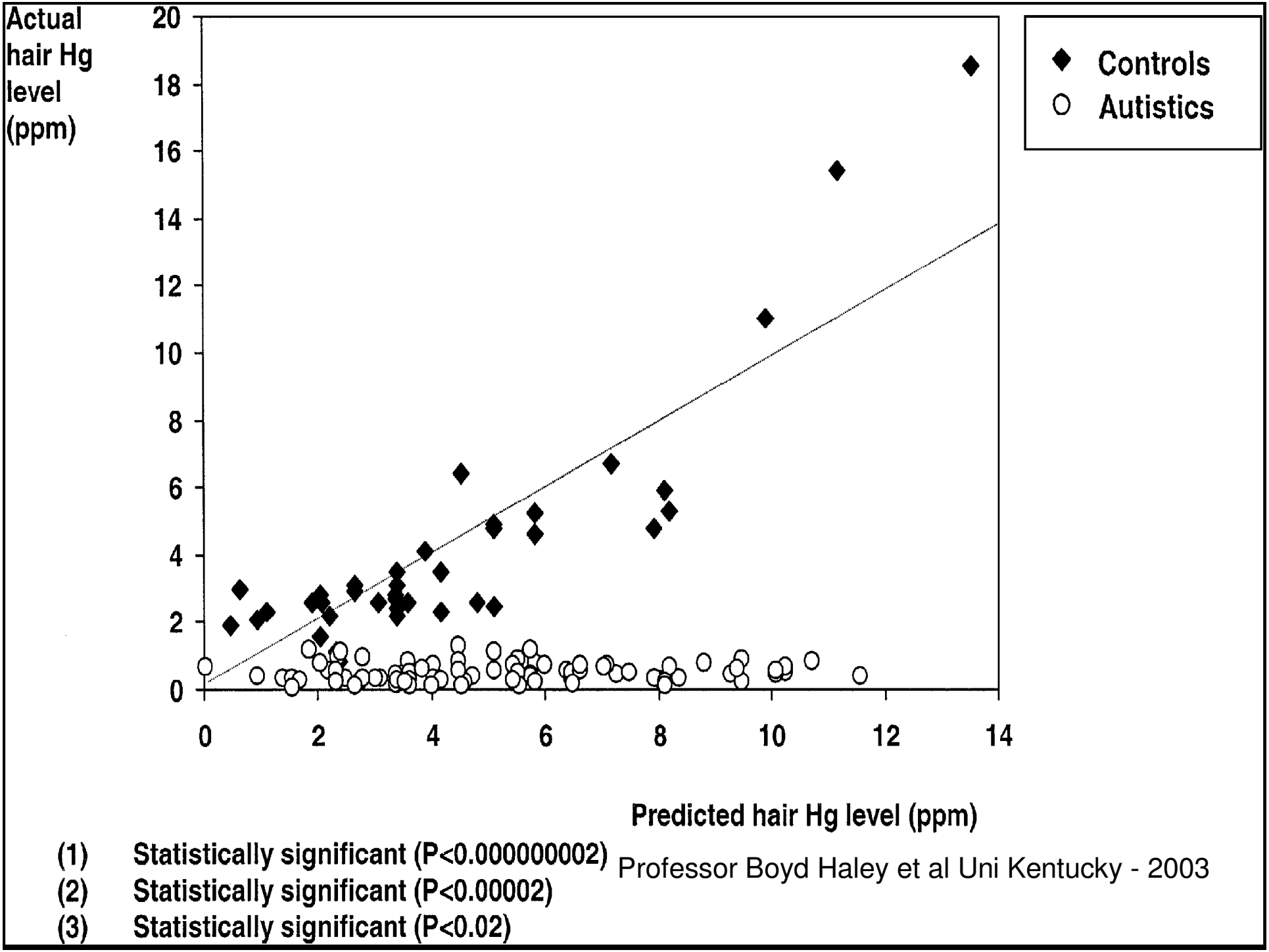
ELEMENTS	RATIOS	EXPECTED RANGE
Ca/Mg	9.87	4 - 30
Ca/P	1.61	0.8 - 8
Na/K	0.737	0.5 - 10
Zn/Cu	7.75	4 - 20
Zn/Cd	321	> 800

Reduced levels of mercury in first baby haircuts of autistic children

Non-autistic babies …. 3.63 ug/gm

Autistic babies …0.47

Less hair mercury in ASD = mercury retention



(1) Statistically significant (P<0.000000002)
(2) Statistically significant (P<0.00002)
(3) Statistically significant (P<0.02)

Professor Boyd Haley et al Uni Kentucky - 2003

HOW MANY AMALGAMS?

('Silver' fillings in your mouth are Mercury [Hg] 50%)

THE MOST TOXIC Hg RISK FACTORS:

1. Amalgams: most common, and highest risk of mercury overload for adults and foetal/breast feeding infants

2. Vaccines: until 2002, for children – currently the highest risk for a bolus dose (flu vaccines (25 umg)

3. Fish (some types)

4. Environmental – as air, soil, food, coal burning etc

Mercury is the 3rd most toxic substance known to man

- "A common myth is that Thimerosal (Hg 50%) is added to vaccines in 'trace' amounts. A multi-dose **flu vaccine has mercury concentration of 50,000 parts per billion**.

- **Drinking water cannot exceed 2 parts per billion of Hg.** Waste is considered hazardous at only 200 parts per billion.

- Is it really safe to **inject pregnant women, newborns, and infants with Hg levels 250 times higher than legally classified hazardous waste?"**

Dr Mike Wagnitz, senior chemist & mercury specialist, University of Wisconsin

HAIR ELEMENTS

LAB#: H080428-0274-1
PATIENT: Lily M3
SEX: Female
AGE: 4

CLIENT#: 28743
DOCTOR: Michael Sichel, DO
Fountaindale
Po Box 5054
Chittaway Bay, Nsw, 2261 AUSTRALIA

POTENTIALLY TOXIC ELEMENTS

TOXIC LEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE 68th 95th
num	20	< 8.0	
ony	0.25	< 0.066	
ic	0.099	< 0.080	
ium	< 0.01	< 0.020	
th	0.050	< 2.0	
ium	0.33	< 0.10	
	2.9	< 1.0	
ry	0.71	< 0.40	
um	< 0.003	< 0.005	
um	< 0.001	< 0.010	
um	0.001	< 0.005	
am	0.018	< 0.060	
	2.3	< 0.40	
	1.8	< 0.20	
	2.5	< 0.30	
um	1.3	< 1.0	
Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS

LEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE 2.5th 16th 50th 84th 97.5th
um	264	140- 500	
esium	30	15- 45	
m	70	12- 90	
ium	93	9- 60	
r	67	10- 22	
	42	100- 190	
anese	0.99	0.20- 0.55	
nium	0.68	0.26- 0.50	
lium	0.12	0.030- 0.10	
denum	0.081	0.048- 0.13	
	8.8	0.35- 3.0	
	1.9	0.25- 1.3	
m	0.016	0.007- 0.023	
horus	177	160- 250	
um	0.71	0.95- 1.7	
ium	0.71	0.19- 2.0	
	52200	45500- 53000	
n	1.3	0.16- 1.2	
t	0.032	0.013- 0.035	
		8.0- 19	
anium	0.03	0.045- 0.065	
ium	0.13	0.012- 0.16	
nium	0.2	0.03- 0.0	

SISTER-A NATURAL CHELATOR

M1

HAIR ELEMENTS

LAB#: H080428-0285-1
PATIENT: Willia M4
SEX: Male
AGE: 6

CLIENT#: 28743
DOCTOR: Michael Sichel, DO M2
Fountaindale
Po Box 5054
Chittaway Bay, Nsw, 2261 AUSTRALIA

POTENTIALLY TOXIC ELEMENTS

TOXIC ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE 68th 95th
Aluminum	10	< 8.0	
Antimony	0.11	< 0.066	
Arsenic	0.12	< 0.080	
Beryllium	< 0.01	< 0.020	
Bismuth	0.020	< 2.0	
Cadmium	0.098	< 0.15	
Lead	2.2	< 1.0	
Mercury	0.49	< 0.40	
Platinum	< 0.003	< 0.005	
Thallium	< 0.001	< 0.010	
Thorium	< 0.001	< 0.005	
Uranium	0.013	< 0.060	
Nickel	0.46	< 0.40	
Silver	0.72	< 0.13	
Tin	0.52	< 0.30	
Titanium	0.54	< 1.0	
Total Toxic Representation			

ESSENTIAL AND OTHER ELEMENTS

ELEMENTS	RESULT µg/g	REFERENCE RANGE	PERCENTILE 2.5th 16th 50th 84th 97.5th
Calcium	215	160- 500	
Magnesium	20	12- 50	
Sodium	30	12- 90	
Potassium	18	10- 40	
Copper	50	9.0- 30	
Zinc	100	110- 190	
Manganese	0.24	0.18- 0.60	
Chromium	0.70	0.23- 0.50	
Vanadium	0.13	0.025- 0.10	
Molybdenum	0.053	0.040- 0.089	
Boron	1.6	0.50- 3.5	
Iodine	0.94	0.25- 1.3	
Lithium	0.006	0.007- 0.023	
Phosphorus	165	160- 250	
Selenium	0.90	0.95- 1.7	
Strontium	0.65	0.21- 2.1	
Sulfur	51500	45500- 53000	
Barium	1.0	0.19- 1.6	
Cobalt	0.017	0.013- 0.035	
Iron	1	6.0-	
Germanium	0.038	0.045- 0.065	
Rubidium	0.037	0.008- 0.080	
Zirconium		0.060- 0.70	

Brother retaining metals

Slide 8

M1	Michael, 28/05/2008
M2	Michael, 28/05/2008
M3	Michael, 28/05/2008
M4	Michael, 28/05/2008

UNDOING THE DAMAGE

- Children have natural chelating agents
- Metallothionine (MT) – the most important

A protein rich in sulphur & zinc

Normally in G.I.T. brain, skin, and liver

AUTISTIC ENTEROCOLITIS

178 Children had intestinal investigation for gastrointestinal symptoms.

- Over 140 also had regressive autism, after normal early development.

In this group only:

- Increased rate of swelling of intestinal lymph glands (lymphoid nodular hyperplasia) – **as found in viral infections and immunodeficiency diseases**

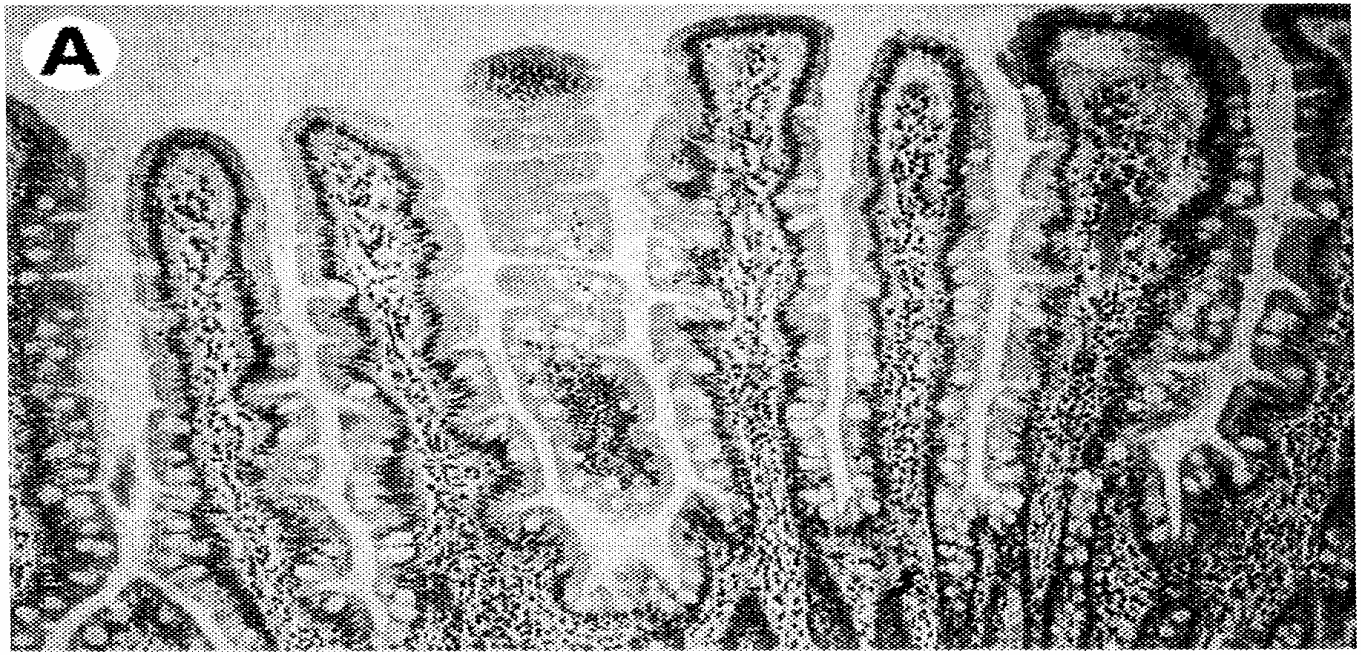
Dr Wakefield *et al* Thoughtful House Centre for Children - 2006

Common physical symptoms in ADHD

Study of 57 children

(Sichel 2000)

Condition	Number	Percentage
Bowel dysfunction	48	84
Stomach pains	45	79
Poor sleep	42	74
Sugar cravings	40	70
Itching	31	54
Very smelly stool	25	44
Thrush (females)	22	38
Skin rashes	21	37
Vaccination effects	15	26
Food sensitivities	14	25
Bed wetting	13	23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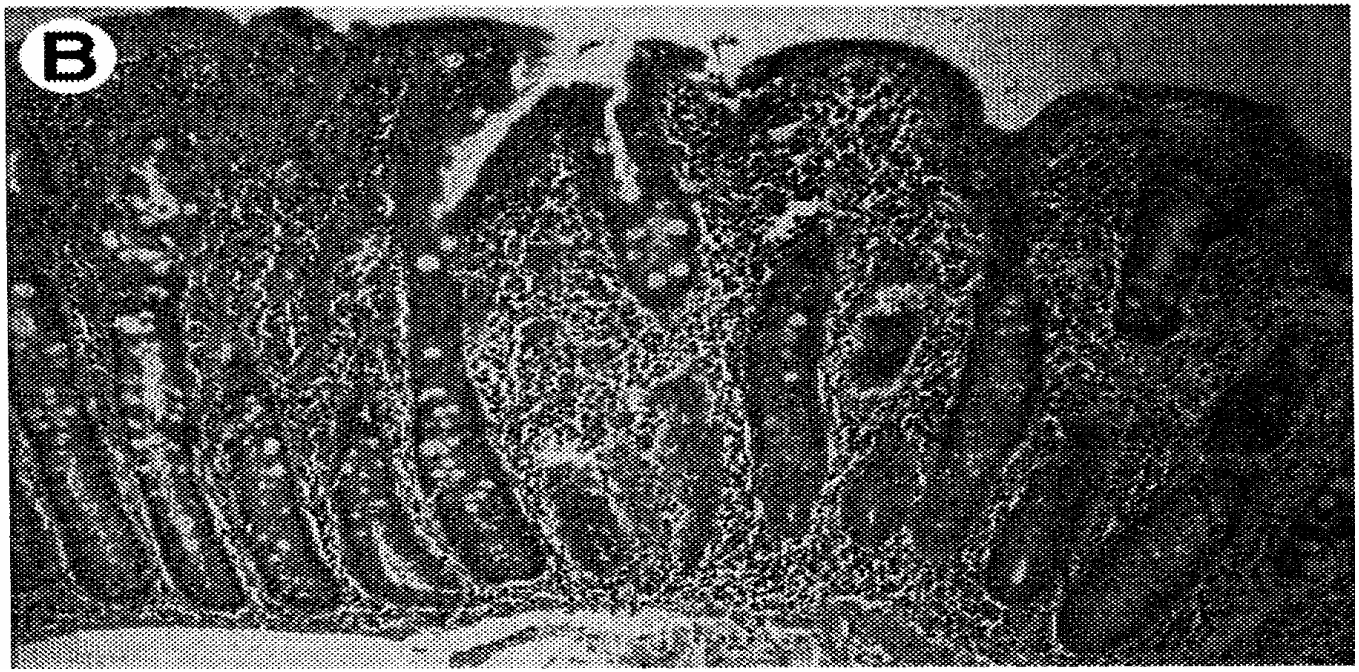
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A MUSTARD YELLOW - BILE DEFICIENT SIGN

MOTILITY DISORDERS

Humberto L. Lugo-Vicente, MD. FACS Pediatric Surgeon

The past two decades motilities disorders of bowel function in infants and children found with the help of various pathologies.
child with recurrent bouts of constipation, diarrhea, enterocolitis, bloody stools, abdominal distension, colicky abdominal pain, and encopresis.
Symptoms can be present since birth, or develop later in the child's life.
progressive constipation/megacolon formation in many of these infants & children

FAECAL DEPOSITS FOUND DURING COLONIC IRRIGATION

Dr Bernard Jensen

"Guide to Better Bowel Care"

Doctors Over-Prescribe Kids Antibiotics

Despite clear guidelines antibiotics are still being prescribed for non-strep sore throat.

This brings increased development of antibiotic resistance and side effects

The Journal of the American Medical Association
Reported November 9, 2005

OVERUSE OF ANTIBITOICS - RESULTS

- **Bacteria mutate & become resistant, causes sepsis* & other infections in humans**
- **Children experience repeat ear infections**
- **Directly damages the immune system**
- **Devastate vital gut flora**

*Sepsis alone kills 215,000 people annually in USA. *(Cytogenix Press Release)*

Modern biomed/naturopathic medicine has powerful non-drug antibiotics.

We use these for your children.

No need for pharmaceutical drugs anymore !

What have they done to our children?

Vaccines – often cause:

immune system disruption > IGG's up & WBC's down multiple adverse events - sometimes death

Antibiotics – always upset the gut flora, cause leaky gut > multi-symptoms

Anti-pyretics - (fever pills) frustrate normal immunity, slow the recovery

Pycho-stimulants – repress appetite & growth

lead to addiction & social misfits

Caesar section – deprives infant of immune factors