

ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS

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ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS

For 40 years we have diagnosed and treated small vessel vasculitis. This type of vasculitis is clearly environmentally triggered by mold and mycotoxins, foods, chemicals, and electromagnetic frequencies.

ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS, CONT.

Examples of the different predominating triggering agents, although always multifactorial, are molds and mycotoxins, food, and toxic chemicals.

ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS, CONT.

Case 1: 40-y-o white female with spontaneous bruising, edema, petechiae, acneiform lesions. Biopsy of brain showed perivascular infiltrate of lymphocytes.

ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS, CONT.

Triggering agents, intradermal neutralization,
Aspergillus, Cladosporium, Alternaria,
Stachybotrys, pesticides, natural gas,
solvents, IgE – 10; IgG - normal; T8 ↓.

ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS, CONT.

Treatment: Massive avoidance in home of
mold; intradermal neutralization injections
every 4 days of mold and mycotoxin. Well
in 4 mos.

ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS, CONT.

Case 2: 56-y-o white male with headaches, weakness, fatigue, syncope, multiple PVCs, spontaneous bruising, and peripheral edema when around electrical equipment and computers.

ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS, CONT.

Intradermal testing positive all molds, food 90%, chemicals 100%, EMF challenge 60 Hz, 900 Hz, 1900 Hz, laboratory; IgE and IgG normal, ↓ T3,4,8.

ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS, CONT.

Treatment:

- Avoidance of mold, food, chemicals, EMF
- Injections for mold, food, chemicals, multiple minerals
- Neutralization of EMF by Smith, C.
- Nutrients A, C, E, D, multi minerals
- Removal of natural gas.

ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS, CONT.

Results: Well but fragile in one year.

ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS, CONT.

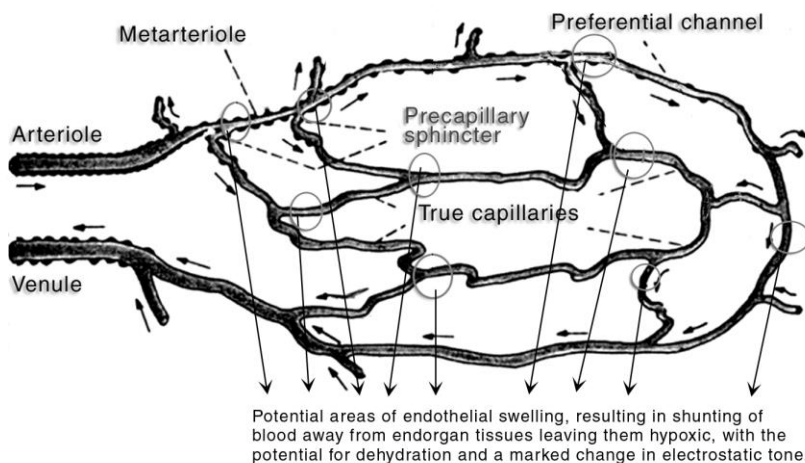
A series of 100 patients with small vessel
vasculitis seen at the Environmental
Health Center – Dallas.

Ages: 18 – 80 years old

Gender: Females = 75, Males = 25

MICROVASCULAR CIRCULATION

Periodic flow



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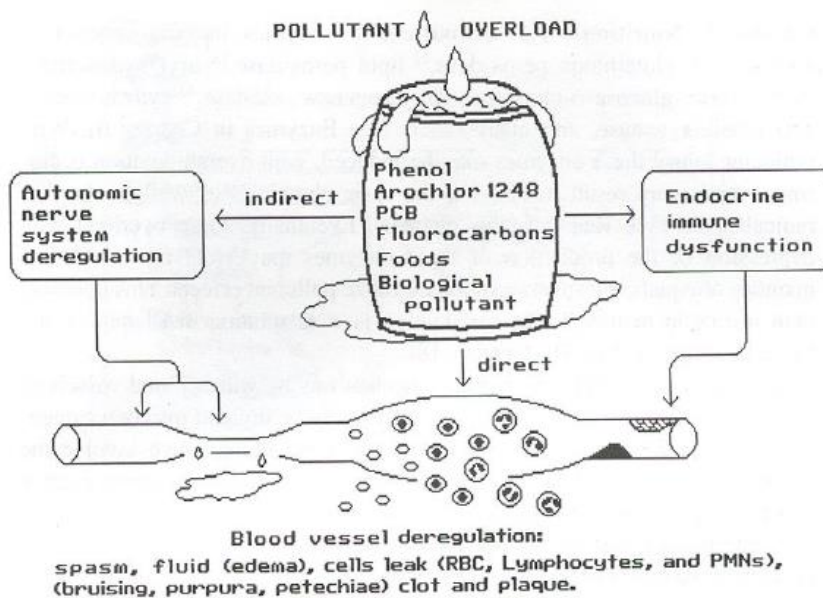


Figure 2. Potential pollutant damage to blood vessels in the chemically sensitive.

ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS, CONT.

New triggering agents such as EMF frequencies, various chemical and new mechanisms and other mechanisms have been found and will be discussed.

ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS, CONT.

These include the Ca^{++} protein kinase A+C
phosphorylation mechanism which
increases sensitivity 1000 times.

ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS, CONT.

<u>Associated Signs and Symptoms</u>	<u>%</u>
Recurrent Spontaneous Bruising and/or Petechiae	100
Recurrent Edema	100
Recurrent Nasal Stuffiness	100
Extremity Vascular Spasm	100
Cold Susceptibility	100

ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS, CONT.

<u>Associated Signs and Symptoms</u>	<u>%</u>
Tonsillectomy	90
Increased Sense of Smell	90
Adult Acne	80
Recurrent Myalgia	70
Recurrent Sinusitis	60
Recurrent Headaches	60

ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS, CONT.

<u>Associated Signs and Symptoms</u>	<u>%</u>
Spastic Colon and/or Non-specific Colitis	50
Recurrent Non-specific Chest Pain	50
Recurrent Bronchitis or Broncho- pneumonia	50
Recurrent Overwhelming Fatigue	50

ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS, CONT.

<u>Associated Signs and Symptoms</u>	<u>%</u>
Recurrent Sore Throats	50
Asthma	40
Recurrent Arrhythmias	40
Recurrent Cystitis	40
Recurrent Depression	20

ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS, CONT.

Common Agents Triggering Vasculitis

Offending Agents	Associated Signs & Symptoms Reproduced	Vasculitis Reproduced
1. Beef, chicken, cigarette smoke, shrimp, pork, gas heat, ingested chemicals	Diarrhea, pulse increase 30 b/m, nasal stuffiness, bigeminy, multi-focal PVC's	Pork, inhaled chemicals, wheat
2. Wheat, rice, inhaled chemicals	Vomiting, pulse increase 40 b/m, catatonia	Wheat, rice, inhaled chemicals
3. Corn, cane sugar, eggs, inhaled chemicals, milk	Wheezing, rhinorrhea, red nose, nasal stuffiness, tender muscles, cystitis	Corn, inhaled chemicals, milk

ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS, CONT.

Common Agents Triggering Vasculitis, CONT.

4. Beef, potatoes, ingested chemicals, wheat, corn	Peripheral pulse from 4 to 1+, tachypnea, shortness of breath, cyanosis, belching	Beef, wheat, corn, inhaled chemicals
5. Pork, pork fumes, ingested chemicals, inhaled chemicals	Edema – generalized, tender muscles, colitis, dizziness, headaches	Pork, shrimp, inhaled chemicals
6. Legumes, seafood, cane sugar, wheat, chicken, cigarette smoke, ingested chemicals, inhaled chemicals	P.35, syncope, wheezing, muscle tenderness, hives, paroxysmal atrial tachycardia, headaches	Cigarette smoke, ingested chemicals, inhaled chemicals, seafood, corn

ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS, CONT.

Common Agents Triggering Vasculitis, CONT.

7. Beef, chicken, lettuce, petrochemicals inhaled, corn, milk	GI bloat, belching, diarrhea, PVC's, ventricular tachycardia	Wheat, corn, milk, ingested chemicals
8. Turkey, chicken, peas, cigarette smoke, beef, inhaled chemicals	Decrease in pulse left arm only, left neck and arm tenderness, tender over arm veins	Chicken, beef, inhaled chemicals
9. Coffee, peanut butter, cane sugar, ingested chemicals, wheat, rice, turkey	Dyspnea, wheezing, eyes watering, hoarseness, pulse increase 50 b/m	Apples, rice, turkey, inhaled chemicals
10. Corn, wheat, beef, eggs, inhaled chemicals, chicken peanut butter	Cystitis, diarrhea, skin rash, itching, dyspnea, pulse increase	Chicken, wheat, peanut butter, inhaled chemicals

ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS, CONT.

Treatment

Avoidance

1. Clean house
2. Organic food
3. Safe water – glass bottle, filtered, distilled, spring





<u>AVERAGE: ORGANIC VS. COMMERCIAL FOOD</u>			
		ORGANIC LESS THAN COMMERCIAL	ORGANIC MORE THAN COMMERCIAL
B A D	Aluminum	-40%	
	Cadmium		5%
	Lead	-29%	
	Mercury	-25%	
	Boron		70%
	Calcium		63%
	Chromium		78%
	Cobalt	0%	
	Copper		48%

<u>AVERAGE: ORGANIC VS. COMMERCIAL FOOD</u>			
		ORGANIC LESS THAN COMMERCIAL	ORGANIC MORE THAN COMMERCIAL
	Iodine		73%
	Iron		59%
	Lithium		118%
G O O D	Magnesium		138%
	Manganese		178%
	Molybdenum		68%
	Nickel		66%
	Phosphorus		91%

<u>AVERAGE: ORGANIC VS. COMMERCIAL FOOD</u>			
		ORGANIC LESS THAN COMMERCIAL	ORGANIC MORE THAN COMMERCIAL
	Potassium		125%
	Rubidium	-28%	
	Selenium		390%
	Silicon		86%
	Sodium		159%
	Strontium		133%
	Sulfur		20%
	Vanadium		8%
	Zinc		60%

Elemental content of some organic foods vs. commercial foods.
 (Source: Pangborn, J.B. and B. Smith. Feb.23, 1995. Presented at the 13th Annual Int. Symp. On Man and His Environment in Health and Disease. Dallas, TX. With Permission.)

SPRING WATER BOTTLED IN GLASS



PROVOCATION AND NEUTRALIZATION SKIN TESTING



PRESERVATIVE FREE ANTIGENS

90% neutralized for:

1. Molds
2. Foods
3. Chemicals

10% neutralized for:

1. EMF

ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS, CONT.

OXYGEN THERAPY

EHC-DALLAS



OXYGEN THERAPY WITH NON-TOXIC CERAMIC MASK AND BAG



**LOW PHTHALATE TUBING, GLASS HUMIDIFIER, CERAMIC MASK AND
CELLOPHANE NON-TOXIC BAG 1 - 800 - 428-2343**

**INHALED OXYGEN LEVELS
4 – 8 LITERS FOR
2 Hr./DAY FOR 18 DAYS.
THE PROGRAM HAS BEEN DESIGNED
AND MODIFIED FOR THE CHEMICALLY
SENSITIVE PATIENT.**

**THIS IS A TREATMENT PROGRAM
THAT REQUIRES AT LEAST 18 DAYS
OF OXYGEN THERAPY AT
4 - 8 LITERS/MIN FOR 2 HOURS
EACH DAY USING A
PORCELAIN MASK WITH VALVES
AND A NON – REBREATHING
CELLOPHANE BAG.**

**A VENOUS BLOOD GAS IS DONE
INITIALLY TO REVEAL TISSUE
OXYGENATION PERFUSION.
IDEALLY A VENOUS BLOOD GAS
LEVEL OF 20-28 mm/Hg OR
LOWER IS BEST. A HIGH VENOUS
BLOOD GAS LEVEL REVEALS
ABNORMAL TISSUE OXYGENATION.**

**PROBABLE CAUSES MAY BE DUE TO
VASCULITIS AND EDEMA, WHICH
FREQUENTLY PRODUCES VASOSPASM
AND CAUSES VENOUS CAPILLARY
ENDOTHELIAL SWELLING. THIS WOULD
CAUSE TISSUE SHUNTING OF
OXYGEN FROM THE ARTERIAL TO THE
VENOUS SIDE WITHOUT ADEQUATE**

**TISSUE O₂ EXTRACTION. THIS
PHENOMENON OCCURS IN DIFFERENT
ORGAN SYSTEMS (e.g. CNS, PNS, ANS,
CVS, ETC.) IT WILL TAKE AT LEAST
18 DAYS TO OPEN ALL OF THE
VASCULATURE TO THE DIFFERENT
ORGAN SYSTEMS BY REDUCING
EDEMA AND INFLAMMATION**

**AND A NON - REBREATHING
CELLOPHANE BAG WILL KEEP THE
ARTERIAL OXYGEN LEVELS
ABOVE 150 mmHg PROVIDING
OPTIMUM RESULTS.
THERAPEUTIC RESULTS
WILL NOT BE ACHIEVED WITHOUT
THE USE OF THIS EQUIPMENT.**

**IF THE THERAPY HAS BEEN
ACHIEVED AS MEASURED BY
VENOUS BLOOD GAS LEVELS,
THE EFFECTS SHOULD LAST
ANYWHERE FROM SIX MONTHS
TO ONE YEAR.**

**THE THERAPY PROGRAM IS
BENEFICIAL FOR THOSE WHO
SUFFER FROM CHRONIC FATIGUE,
FIBROMYALGIA, CARDIOVASCULAR
ANOMALIES, GASTROINTESTINAL
UPSET, VISUAL IMPAIRMENTS,
NEUROPATHIES AND
MUSCULOSKELETAL PROBLEMS.**

O₂ THERAPY (n = 67)

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PVO₂	BEFORE	AFTER
	30.8 – 64.2 mm Hg	< 20 – 35.7
	X = 39.9 mm Hg	<i>X = 26.6 mm Hg</i> <i>P < 0.05</i> <i>N = 35% EXTRA</i> <i>O₂ EXTRACTION</i>

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OXYGEN THERAPY

Pre Treatment mmHg	Post Treatment mmHg
43	25.6
33	24.1
43.9	25.5
65.9	31.9
32.3	24.3
32.7	23.1
35.7	26.5
30.6	23.4
54.3	22.7
37.4	26.0
35.3	28.7
* Typical patient response	

SUMMARY

WHEN DONE CORRECTLY

OXYGEN THERAPY IS SUCCESSFUL

IN A LARGE NUMBER OF PATIENTS.

**ENVIRONMENTALLY TRIGGERED
SMALL VESSEL VASCULITIS,** CONT.

IMMUNE MODULATORS

IMPROVEMENT OF SYMPTOMS OF 100 PATIENTS WITH “ALF”

EHC – DALLAS ©

IMPROVEMENT		NO IMPROVEMENT		
NUMBER	PERCENT	NUMBER	PERCENT	P
88	88	12	12	<0.001

ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS, CONT

Gamma Globulin Subsets

GG 1 – decreased – 30% ↓

GG 2 – decreased

GG 3 – decreased

GG 4 - decreased

Gammaglobulin neutralized daily for 2 weeks 4 cc in
each hip weekly for 1-3 months

ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS, CONT

NUTRITION

1. Vitamin C – 5 grams daily
2. Glutathione – 800 – 1000 mgm daily
3. Multi minerals – 1 capsule daily
4. Multi vitamins – 1 capsule daily
5. ATP – 3 caps daily

VITAMIN C
7.5 – 25 GRAMS
TYPES
CORN POTATO BEET TAPIOCA

ORAL VITAMINS EHC - DALLAS		
VITAMIN	AMOUNT	FREQUENCY
VITAMIN C	6000 MG	DAILY
VITAMINS B₁, B₂, B₃, B₅, B₆	100 MG	DAILY
B₁₂	1000 MCG	2 TIMES/ WEEK
FOLIC ACID	1 MG	2 TIMES/ WEEK
VITAMIN D - SUNSHINE, IF NOT POSSIBLE, D3- 400-1200u/day		
VITAMIN E	400 - 1200 I. U.	DAILY
VITAMIN A (β- CAROTENE)	10,000 - 50,000 UNITS	DAILY
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INTRACELLULAR MINERAL CHANGES IN 200 CHEMICALLY SENSITIVE PATIENTS EHC – DALLAS

DECREASE	INCREASE
80% CHROMIUM	<u>DAILY EXPOSURES</u>
33% SULFUR	ALUMINUM
30% SILICON	BARIUM
14% SELENIUM	MANGANESE
7.5% ZINC	<u>EXCESS EXOSURES</u>
* 50% MAGNESIUM	LEAD
	CADMIUM
* 40% WITH ORAL AND INTRAVENOUS CHALLENGE	

EHC – DALLAS

ORAL MINERALS EHC - DALLAS	
DAILY ORAL SUPPLEMENTATION: 1 – 3 CAPSULES	
MINERAL	DOSE
CALCIUM CITRATE	1000 mg
MAGNESIUM CITRATE AND ASPARTATE	500 mg
ZINC PICOLINATE OR ORATATE	30 mg
POTASSIUM CITRATE AND ASPARTATE	99 mg
MAGNESIUM GLUCONATE	10 mg
FERROUS FUMARATE	10 mg
COPPER GLUCONATE	2 mg
SELENIUM (SELENO METHIONINE)	200 µg
CHROMIUM (GFT)	200 µg
MOLYBDENUM	200 µg

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AMINO ACIDS	
ESSENTIAL	
TRYPTOPHAN	2 GRAMS
LYSINE	
LEUCINE	
ISOLEUCIN	
CYSTEINE	
VALINE	
THREONINE	
METHIONINE	
SEMI ESSENTIAL	
ARGININE	2 GRAMS
GLUTATHIONE	

EHC – DALLAS

EHC – DALLAS

LIPIDS

IN ADDITION TO FOODS OF THE ROTARY DIET:

DAY	FOODS	SOURCE OF:
DAY 1	SALMON OIL	EPA, DHA
DAY 2	COD LIVER OIL	EPA, DHA, VITS A & D
DAY 3	FLAX SEED OIL	α LINOLEIC & LINOLENIC
DAY 4	EVENING PRIMROSE OIL, BORAGE OIL OR CURRANT SEED OIL	γ LINOLENIC
EHC – DALLAS		

ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS, CONT.

Common Agents Triggering Vasculitis, cont.

Conclusions:

1. Small vessel vasculitis is predominant in this country.
2. Triggering agents can be found and eliminated.

ENVIRONMENTALLY TRIGGERED SMALL VESSEL VASCULITIS, CONT.

Common Agents Triggering Vasculitis, cont.

Conclusions, cont.

3. Massive avoidance, intradermal neutralization, and nutritional and oxygen therapy plus immune modulation lead to a successful treatment.