HISTORY OF CHEMICAL SENSITIVITY

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History of Chemical Sensitivity, cont.

Chemical sensitivity – the adverse reaction to the ambient doses of toxic and non-toxic chemicals contained in air, food, and water.

History of Chemical Sensitivity

Hippocrates:

1. Some people can eat cheese and do well; others it makes them sick.

2. If a person fasts for 3 days, on the 4th or 5th day…if he takes the wrong food….he will be sick.

History of Chemical Sensitivity, cont.

- Gray's Anatomy – Text – Intricate Anatomical Parts
- Guyton, A. – Physiology – Multiple Principles & Absorption
- Biochemistry – Alsoph Corwin, Professor of Chemistry, Johns Hopkins; Linus Pauling, Ph.D.; Jeffrey Bland, Ph.D. – Basic Principles of Detoxification and Nutrient Support
- Selye, H. – General Adaptation Syndrome
- Hare, F. – Australia – Food Factor in Disease

History of Chemical Sensitivity, cont.

- Rowe, A. – Food Factor in Disease, 1931
- Rinkle, H. – masking; 1936
- French Hansel, ENT – optimal dosage concept – 1941
- Rinkle, H. – cyclic food allergy, serial dilution (1:5) & titration; 1949
- Randolph – Triggering by chemicals and foods – adaptation – 1950s

History of Chemical Sensitivity, cont.

- Randolph, T. – Chicago, IL; Human Ecology and Susceptibility to the Chemical Environment, 1962 (First Printing)
- Willoughby, J., Kansas City, KS – serial dilution & titration – 1963
- Binkley, E. – chemicals – 1964
- McClennon, J. – Hamilton, Ontario, Canada; 1974

History of Chemical Sensitivity,

cont.

- Dickey, L., a general surgeon and urologist – first environmental control unit in Fort Collins, CO; also wrote the first book on Clinical Ecology; 1976.

- Lee, C. – intradermal neutralization – 1987

- Miller, J., Mobile, AL; intradermal neutralization

THE 6 PRINCIPLES OF CHEMICAL SENSITIVITY BY Wm. J. REA, M. D.

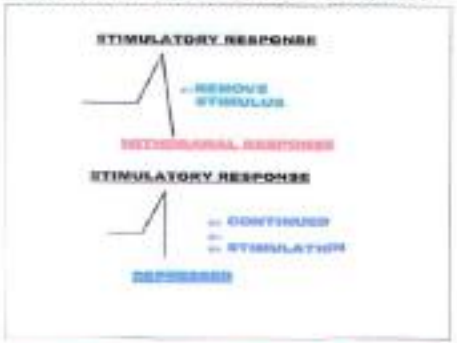
1ST PRINCIPLE OF CHEMICAL SENSITIVITY

TOTAL BODY LOAD
CUMULATIVE FACTORS OF BODY BURDEN

2ND PRINCIPLE OF CHEMICAL SENSITIVITY

MASKING
ADAPTATION PHENOMENON
ACUTE TOXICOLOGICAL TOLERANCE

3RD PRINCIPLE OF CHEMICAL SENSITIVITY

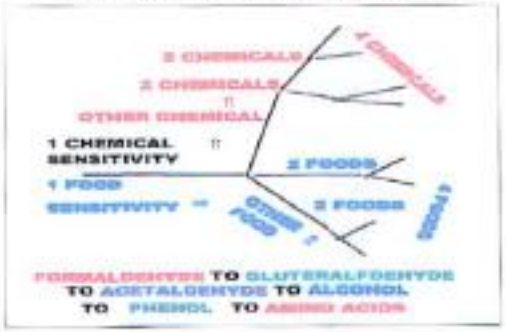


BIPOLARITY PHENOMENON

4TH PRINCIPLE OF CHEMICAL SENSITIVITY

BIOCHEMICAL INDIVIDUALITY

5TH PRINCIPLE OF CHEMICAL SENSITIVITY



SPREADING PHENOMENON

6TH PRINCIPLE OF CHEMICAL SENSITIVITY

SWITCH PHENOMENON

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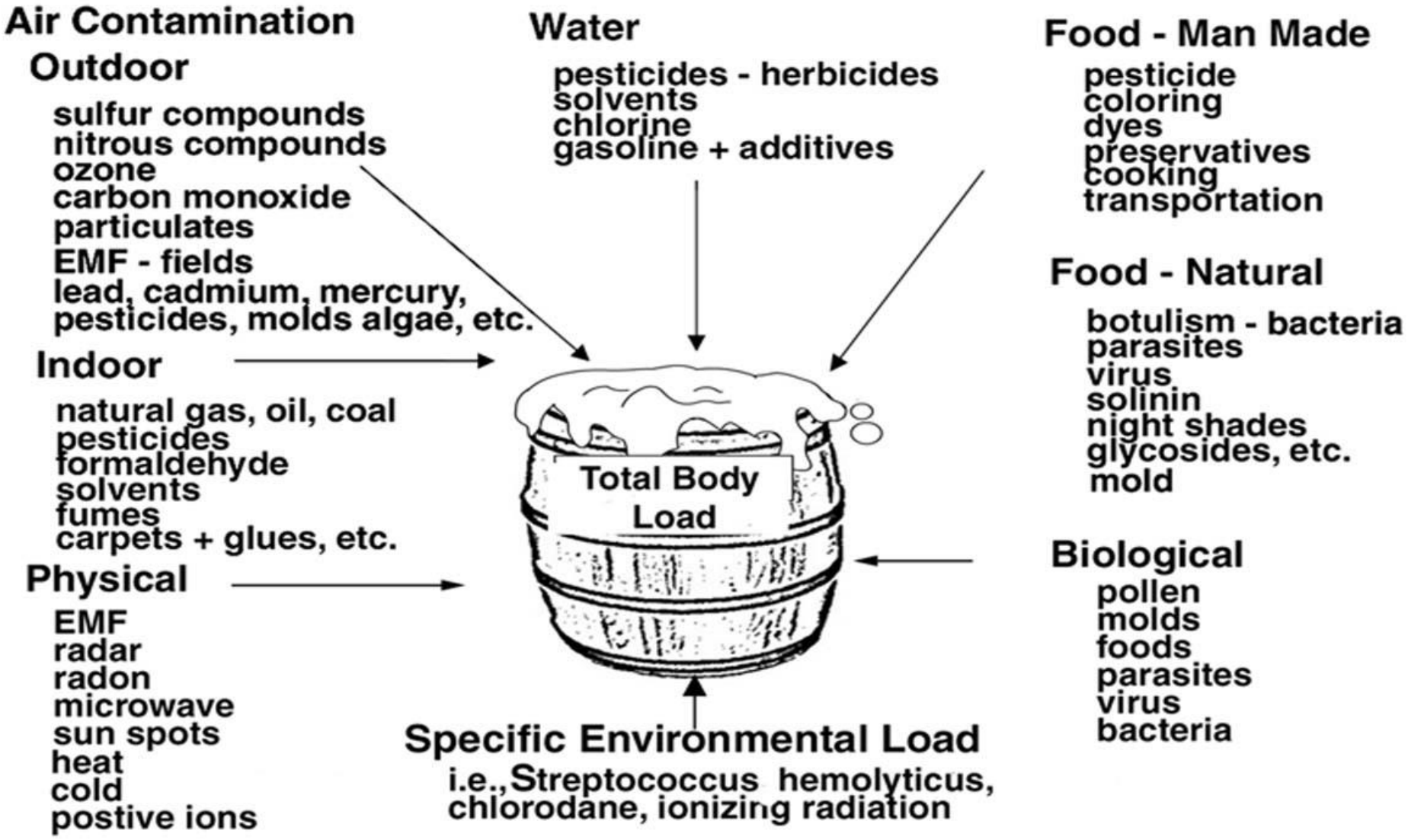
TOTAL ENVIRONMENTAL LOAD

NON – SPECIFIC LOAD



History of Chemical Sensitivity, cont.

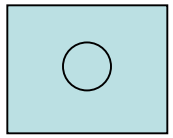
Principles Used:

1. Total body pollutant load – barrel
2. Adaptation - masking
3. Biochemical individuality - individual

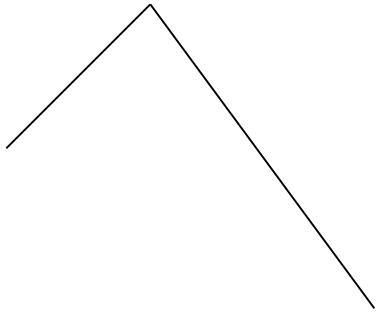
History of Chemical Sensitivity, cont.

Principles Used, cont.:

4. Switch Phenomenon



5. Bipolarity of Response



6. Spreading to different organs

History of Chemical Sensitivity, cont.

Principles Used, cont.:

7. Law of Nerve Injury – when healed – hypersensitivity

8. Memory loss – subtle or large head injury

TECHNOLOGY

History of Chemical Sensitivity, cont.

Rea, W.J., Environmental Health Center – Dallas:

a. Materials, oxygenation, and nutrition from cardiovascular surgery, University of Texas SW Medical School, Parkland Trauma Hospital, Veterans' Hospital

History of Chemical Sensitivity, cont.

b. Fenyves, E., Ph.D. & Edgar, R., PH.D. – air analysis and air pollution indoor and outdoor evaluation; Dept. of Physics, University of Texas at Dallas – building analysis and inspection.

Evaluations: 500 buildings, less polluted 5x by particle count and GC mass spectrometer

Matrix Labs (Gary Cude) – 500 – 1000 air analyses

a. Formaldehyde , benzene, methane, ethane, propane, butane, toluene xylene

History of Chemical Sensitivity, cont.

c. Rea, William, M.D. - paper on environmentally triggered cardiovascular disease, vasculitis, phlebitis; implants

d. Wing, Lindsay, M.D. – Australian ENT surgeon; 100 nasal biopsies for molds and foods for chemical sensitivity

History of Chemical Sensitivity, cont.

e. Laseter, J., Ph.D., Biochemistry Department, University of New Orleans – blood, air and chemicals.

Blood - 20,000 patients;

Air – 1000 (Gary Cude);

Urine – 10,000; Solvents – 3,000

Organic Chlorinated Pesticides – 1,000

Organic Pesticides – MetaMetrix – 1,500

History of Chemical Sensitivity,

cont.

f. Butler, J. and Didriksen, N., University of N. Texas – psychological profiles showing brain injury, not psychological condition

Over the years, approximately 2,000 – 3,000 profiles were done; in the past 5 years, approximately 90 – 100 were done.

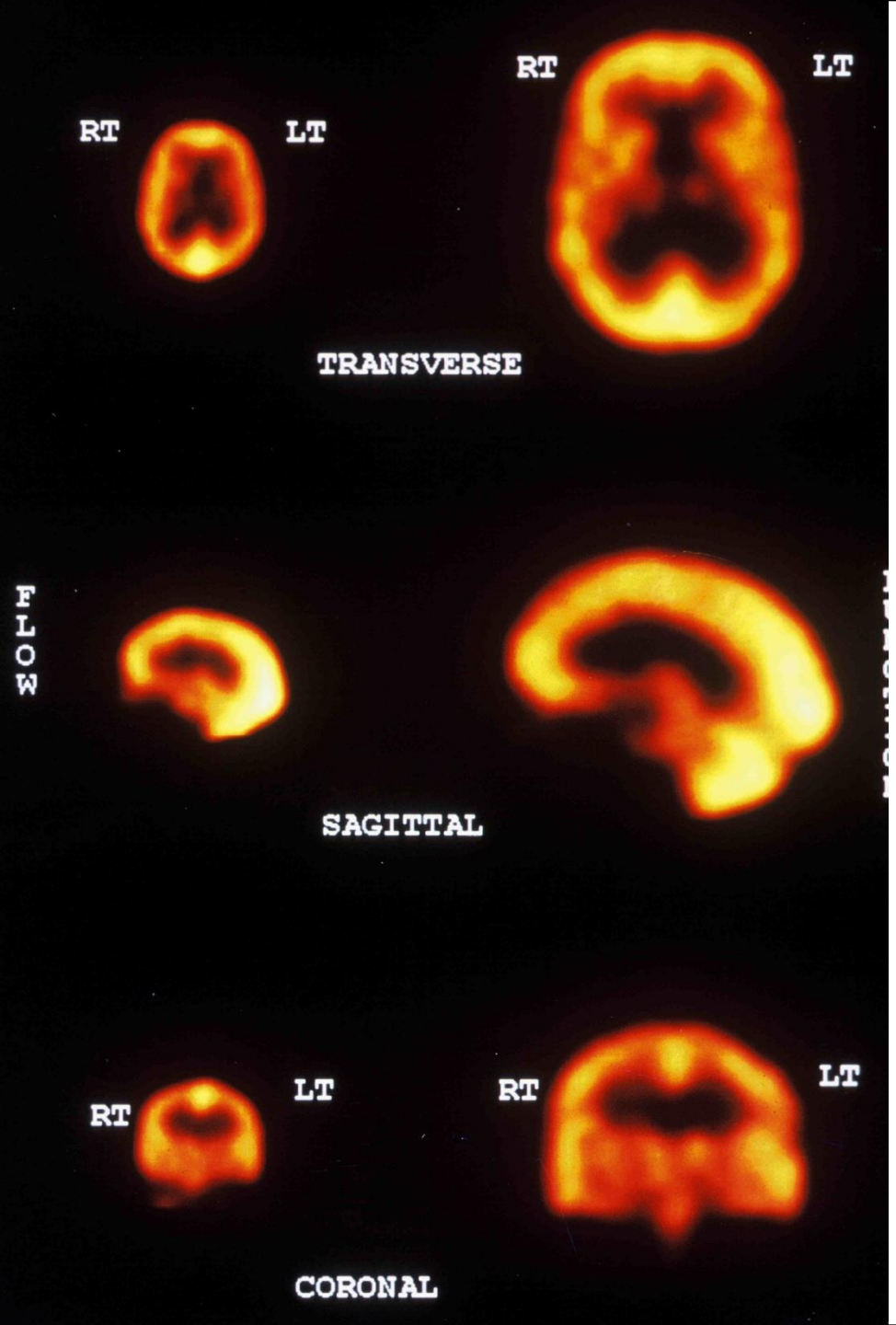
History of Chemical Sensitivity, cont.

g. Simon, T. and Hickey, D. – triple camera brain analysis - Dallas Radiological Associates

Number of brain Scans: 682 from the year 2000 – 2015

Triple Camera

Brain SPECT



NORMAL SPECT BRAIN SCAN

ABNORMAL SPECT BRAIN SCAN

History of Chemical Sensitivity, cont.

h. Heart Rate Variability for measuring autonomic nervous system (ANS)

   1500 CASES

History of Chemical Sensitivity, cont.

i. Pupillography for measuring ANS

   Ishikawa, S. and Miyata, M., Kitasato University Medical School, Kitasato, Japan - 800

j. Heart Rate Variability – 1,500

k. Overberg, R. – oral nutrition – 2,000

History of Chemical Sensitivity,

cont.

I. Immune Modulation

- IgG Subsets – 200 patients
- T-cell Deficiency (5,000)
- 1500 patients with autogenous lymphocytic factor (ALF) immune modulation
- Success – 90% improved

History of Chemical Sensitivity,

cont.

m. Griffiths, B. - Mold, Mycotoxins EHC-D

n. Hooper, D. – Urine, mycotoxins

o. Monro, J. – EMF - Breakspear Hospital

p. Smith, C. – EMF - University of Salford

History of Chemical Sensitivity,

cont.

Challenge Tests

1. Oral
2. Inhaled
3. Intradermal

History of Chemical Sensitivity, cont.

Nutrition - Mechanisms

1. Linus Pauling, Ph.D. & Jeff Bland, Ph.D.; Martin Pall

2. EHCD – 10,000 patients

History of Chemical Sensitivity,

cont.

EMF Modulation

1. Grounding – leather shoes
2. Shielding – copper, aluminum, silver
3. Gowns – copper, silver, cotton
4. Blankets – vests, pads
5. Blankets – energy balancing

History of Chemical Sensitivity,

cont.

Environmental Units Around World

1. Nova Scotia, Canada – Roy Fox, M.D.
2. Miami, Florida – Al Robbins, M.D.
3. Breakspear Hospital, Hertfordshire, England – Jean Monro, M.D.
4. Emstal, Germany – Klaus Runow, M.D.

History of Chemical Sensitivity,

cont.

5. Madrid, Spain – Pilar Munoz, M.D.

6. Melbourne, Australia– Colin Little, M.D.

7. Peking, China – Hong Yu Zhang, M.D.

8. Tokyo, Japan – Satoshi Ishikawa, M.D. & Miki Miyata, M.D. – Kitasato University

9. Dallas, TX – Environmental Health Center – William Rea, M.D.

History of Chemical Sensitivity,

cont.

Societies Teaching the Environmental and Nutritional Point of View

1. American Academy of Environmental Medicine
2. Pan American Allergy Society
3. Australian ENT Society
4. Physicians doing some aspects – 1,000

History of Chemical Sensitivity,

cont.

Inhaled Challenge EHCD Controlled Room

EHCD

BOOTH

History of Chemical Sensitivity,

cont.

Knowledge of hypersensitivity

stages molds, food, chemicals, autogenous vaccines, pollens, blood, and EMF.

History of Chemical Sensitivity,

cont.

Preservative Free Antigens

– Freeze Daily

PROVOCATION AND NEUTRALIZATION SKIN TESTING - PRESERVATIVE FREE


ANTIGEN THERAPY

History of Chemical Sensitivity,

cont.

Introduction to Immune Parameters – T&B complement, gamma globulin, subsets 1,2,3,4 – Rea, W.J. et al

EMF Frequency – Professor Cyril Smith from the University of Salford & Dr. Jean Monro from the Breakspear Hospital, England

History of Chemical Sensitivity,

cont.

Avoidance Areas:

1. Trailers
2. Marriott Condos
3. Houses

AIR STREAM TRAILER

MARRIOTT CONDOMINIUMS

CLEAN HOMES

History of Chemical Sensitivity,

cont.

Intradermal Injection

1. Lee, Miller, & Brown

History of Chemical Sensitivity,

cont.

Nutrition

Dr. Linus Pauling and Dr. Jeff Bland

1. Oral nutrition
2. IV – to combat malabsorption
3. IV hyperalimentation – Stan Dudrick, surgeon and William Rea, M.D., cardiovascular surgeon

History of Chemical Sensitivity,

cont.

Oxygen Therapy

Rea from cardiopulmonary bypass

von Ardeene from Germany

History of Chemical Sensitivity,

cont.

Immune Modulation

Bertie Griffiths, Ph.D. & William Rea, M.D. – Environmental Health Center – Dallas

- Autogenous Lymphocytic Factor (ALF)

- Gammaglobulin subset deficiencies

History of Chemical Sensitivity,

cont.

OXYGEN

THERAPY

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History of Chemical Sensitivity,

cont.

Energy Manipulation

History of Chemical Sensitivity,

cont.

EMF

80% of the electrically sensitive have chemical sensitivity

1. Becker, R. & Marino, A. – healing bone