

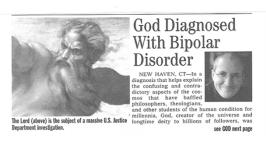
# Functional Medicine in Mood and Anxiety Disorders

Miles Simmons, MD



# The 1990's "Epidemic" Unstable Bipolars

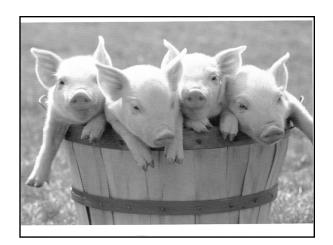
- ? Antidep's causing instability
- Bipolar Disorder, Type II
- Creative polypharmacy

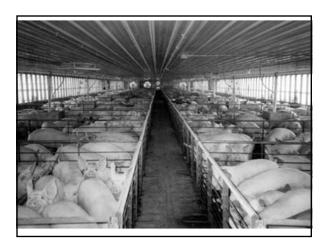




# Functional Medicine Principles

- Complexity the web, systems theory
- Biochemical Individuality genetic, epigenetic, life experience/exposures
- Organ Reserve used up over time under stresses to tipping point
- Total Load of environmental stressors

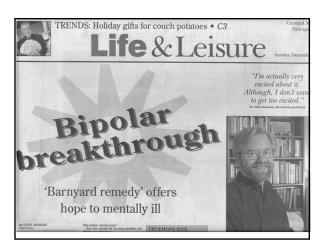






## Internet Discovery - Dramatic Case

- Early 30's woman, professional
- 10 yr h/o bipolar, hosp'ns, multiple med trials with marginal helpfulness, 100 lbs
- She found EMP on internet
- We tried it Full Recovery, no meds



Effective Mood Stabilization
With a Chelated Mineral Supplement:
An Open-Label Trial in Bipolar Disorder

Bonnie J. Kaplan, Ph.D.; J. Steven A. Simpson, Ph.D., M.D.;
Richard C. Ferre, M.D.; Chris P. Gorman, M.D.;
David M. McMullen, M.D.; and Susan G. Crawford, M.Sc.

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## Kaplan, et al.: Open Label Trial

- 7 of 11 Bipolars with marked response seen on 3 standardized symptom scales
- 50% reduction in medication over all

Commentary

See also article beginning on page 936.

#### Do Vitamins or Minerals (Apart From Lithium) Have Mood-Stabilizing Effects?

Charles W. Popper, M.D.

In utritional scientists have been well funded by agribusiness to find ways to deal with factors that interfere with animal bealth, including aggressive and destructive behavior. When farm animals become "vio-lear"—when pigs start briling each others' ears and tails, when chickens attack chickens—farmers have learned that the aggressive behavior can be reduced by adding certain minerals and vitamins to their diet, without the need for vertirants intervention.

In 1996, animal nutrition specialist David L. Hardy described this approach to Anthony F. Stephan, whose children had severe treatment-resistant bipolar disorder. Stephan then added similar nutrients to his children's diet. On the nutritional supplements, both children subilized clinically and have not needed psychiatric medication for the last S years. Hardy and Stephan began advising family

a strong effect size (> 80) was observed for raings of depression as well as mania. Most patients could reduce their does of psychiatric medications, and some patients became stuble without any psychiatric medication. Only 2 patients started on new medications that might conceivably have contributed to their stabilization. Even allowing for the usual overestimation of effects in openlabel series, these preliminary findings raise interesting the stabilization of the stabilization of the stabilization.

In view of the 50 years of experience with lithium, the notion that minerals can treat bipolar disorder is unsurprising. However, the nutrient supplement studied by Kaplan and colleagues contains no lithium. Might other

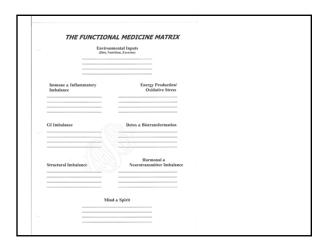
Some may object that a clinical trial of a mixture on a maximum of the second of the s



# Popper - Clinical Case Series

- 22 Bipolars children, teens, adults
- 76% had moderate to marked positive response
- 50% medication-free and stable 6-9 mos.

	Letters to the Editor	
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	ting initially, this nevel treatment approach appears to offer inhuturals benefit. Popper'has betrifty desembed successful clinical use in some cases, and I report here on my own experi- ence with this same universite supplement.  Drs. Simpson and Kaplan Reply	
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	Case Series – 19 Bipolar Adults	3
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	79% moderate to marked positive     response.	
	response	
	<ul> <li>58% stable on no medication, (5 to 21 mo follow-up)</li> </ul>	
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	MADES CONTRE DOS EINSCHOOM MEDICINE AND THE HEALING ARTS	-
	What To Do With	
	Those Un-Helped by EMP?	
	Functional Medicine	





# Conventional Lab Testing

- CBC, Chemistries, thyroid, lipids, celiac
- 25 hydroxy vit D
- Homocysteine methylation
- hs-CRP inflammation
- Ferritin availability of iron as mineral cofactor
- DHEA-Sulfate adrenal function



# Functional Lab Testing

- Adrenal
- Stool
- Nutritional
- Food Sensitivities
- Heavy Metals



# Fight - Flight Response

- Competition culture, denial of interdependence, loss of loving community
- All stresses, derange entire physiology to prepare to run or fight for life
- Gut, sugar, immune, brain, thyroid, sex h's, use up vits and mins



#### **Gut Imbalances**

- Dysbiosis Imbalanced Microbiology
- Lack of digestive enzymes
- Heartburn
- Inflammation, eg. From food sensitivities
- · Dietary effects
- · Liver effects



#### Hormone Imbalances

- Stress Hormones
- Sugar Metabolism
- Thyroid
- Sex Hormones



### **Brain Imbalances**

- "Housekeeping" Neurotransmitters
- GABA gamma aminobutyric acid
- 5-HT serotonin
- Norepinephrine
- Dopamine
- · Acetyl-choline





#### Case 1

- Prof'l man wary of doctors
- Long history of periods of low mood and Etoh intake to self medicate many x/yr
- Found me hoping to avoid meds
- High homocysteine treated this, no more lows, no more impulse to drink for 1 yr



## Case 2 - Woman early 30's

- Chaotic, alcoholic family; sober since 23
- 4 marriages; 2 children; responsible job
- Chronic Constip'n; severe HA's
- Recurrent Major Depression
- Responded to antidep's initially



#### Case 2 - cont'd

- Aft 2 yrs, more dep'd, then severe bipolar
- · On Disability
- Mood stabilizing cocktails, then flax in '98
- Lethal overdose recovered, more meds
- EMP trial in '01 much more stable, 32 pills triggered OD trauma EFT helped



#### Case 2 - cont'd

- Occas brief bursts: Paxil, Risp, sleepers
- Fn'l Med- Gut: 4R program empirically
- Malnourished- worked on healthy diet
- Fatigue prominent, mood mild dep'd
- Any liver support- sick quickly
- Adrenal support added



#### Case 2 - cont'd

- Able to stop tobacco in '03
- '05 urine provoked toxic metals: Hg & Pb
- Eventually started chelation therapy
- Fatigue improving steadily, work part time



#### Case 3

- Mid-40's male, starting his 3rd Major Dep'n
- Mult meds in past, helped some, but awful
- Sought me desperate for an alternative to meds
- Terrible diet, 3 plus gallons cola daily
- Balanced diet and tapered off cola mood improving in one week, fully recovered in 4 wks



#### Case 4

- Early 50's woman, h/o severe child abuse
- Therapy and healing work most of life with tremendous progress enjoy much in life
- Meds for dep'n, anx, panic sx's at times
- Still strong sx's at times
- Adrenal adrenal and brain support recovering



#### Case 5

- Early 40's mother, life long dep'n, OC sx's
- Progressive worsening; brain fog, fatigue
- Constip'n, sugar, stress, early traumas
- Gut; adrenal; EFT for traumas, marital
- Slow 4 yrs, an unusual diet- final recovery



#### Take Home

 Foundations for whole life healing: Healthy Eating, Sleep, Movement, Stress Reduction, Relaxation Practice, Heal the Past, Cultivate Love over Fear in every moment, Cultivate Loving Community



## **Healthy Eating**

- Don't skip breakfast keeps adrenalin up
- 3 or more meals, balanced protein, healthy fats, complex carbs, fruits and veggies
- Organic, whole foods as much as possible
- Sit down, relax, recall gratitudes, chew well, don't rush
- Eliminate any suspicious foods, eg. Gluten, dairy, eggs, soy, corn, others



# Specific Supports

- Omega-3 oils 1 to 6 grams per day
- High quality multi vitamin/mineral 2 or 3 x/day
- · Probiotics and prebiotics for GI
- Explore natural strategies for cholesterol
- Explore natural anti-inflammatories



## Resources in Print

- The UltraMind Solution-Mark Hyman, MD
- Digestive Wellness Eliz Lipski, MA
- Adrenal Fatigue James Wilson, ND
- Functional Clinical Nutrition
- Textbook of Functional Medicine



#### Take Home

- Any symptom that becomes chronic is a wake up call to heal/balance your whole life
- All your organs are affecting all your other organs/systems, including your brain/emotion



#### Take Home

 Anxiety, Depression, and Bipolar mood disorders can be improved, and in some cases resolved, with the "Foundations" and with functional supports to the brain and other organs where needed



## About Miles Simmons, MD

- · Board-Certified Psychiatrist
- BS, Chemistry, University of Denver, Denver, CO
- MD, University of Texas, Houston, TX
- Psychiatric Residency, University of Texas, Houston, TX
- Chairperson, Psychiatry Department at Mid Coast Hospital in Brunswick, ME
- A True North practitioner since 2002