

FUNDAMENTALS OF FUNCTIONAL MEDICINE TAL COHEN, DAOM, MS-HNFM

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Gain a deeper understanding of chronic diseases and offer personalized treatment based on each patient's individual function and biochemistry.





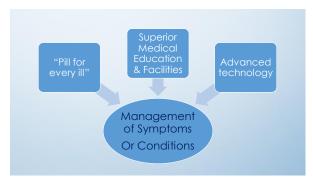
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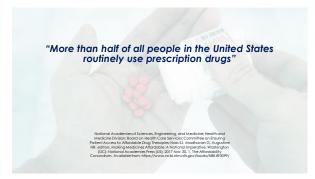


	What is Functional Medicine?	
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	Functional Medicine is a new form of diagnosis and treatment that has been developing from the understanding that certain factors, such as our lifestyle, diet, physical or emotional trauma, and /or chemical exposure/accumulation can trigger a pathologic reaction.	
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	Is it a technique?	
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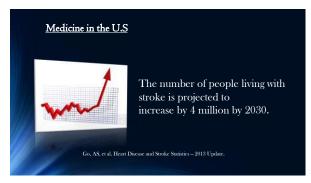
Functional Medicine is a different approach to healthcare	

Why Functional Medicine?





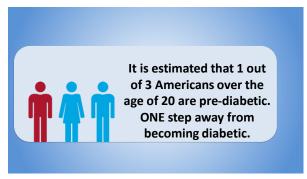




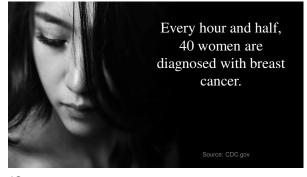


Every day, 3,835 people are diagnosed with diabetes type 2 in the U.S alone.

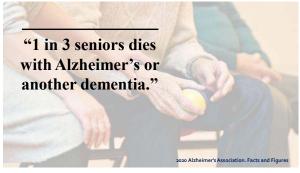














"The best time to plant a tree was 20 years ago.
The second best time is now."
Old Chinese proverb

	The Functional Medicine Approach	
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	Principle #1	
	Focus on Cause of Chronic Disease, Instead of Just Symptoms	
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	JALY C	
	Functional Medicine doctor focuses on finding	
	In comparison to 'mainstream medicine', the Functional Medicine doctor focuses on finding and addressing the "triggers" of disease, as well as improving healthy function, instead of focusing on the symptoms and prescription to manage symptoms.	
	symptoms.	
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The good physician treats **the disease**;
The **great** physician treats **the patient** who has the disease."

William Osler, MD.

A physician, educator, author, public speaker, an innovator in medicine.



Dr. Osler 1849-1919

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See the 'whole' person, not just the disease.



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Principle #2

Deeper Understanding of Triggers of Chronic Diseases

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Exterior exposure & Endocrine Dysfunction

"These findings provide strong evidence that BPA triggers INS-1 cells (rat insulinoma cell line) dysfunction and apoptosis"

"We found that BPA suppressed cell viability and disturbed GSIS (glucose-stimulated insulin secretion) in a dose-dependent manner."

Lin, Y., Sun, X., Qiu, L., Wei, J., Huang, Q., Fang, C. Ye, T., Kang, M., Shen, H., & Dong, S. (2013). Exposure to bisphenol A laduces dysfunction of insulin secretion and apoptosis travagh the damage of mitochondria in rat insulinoma (INS-1) cells. Cell death & disease, 4(1), e460.



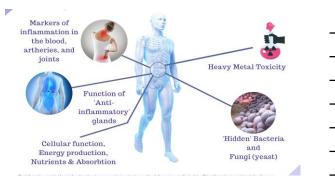


Principle #3 Guide Your Patients Towards Healthier Life





Principle #4 Comprehensive Lab Testing & Integrative Protocols



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	Principle #5	
	Empower your patients to take control of their health	
	health	
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	patients sustain significant risks by	
	"In some disease conditions, more than 40% of patients sustain significant risks by misunderstanding, forgetting, or ignoring healthcare advice."	
	nearncare davice."	
	Martin LR, Williams SL, Haskard KB, Dimatteo MR. The challenge of	
	patient adherence. Ther Clin Risk Manag. 2005 Sep;1(3):189-99. PMID: 18360559; PMCID: PMC1661624.	
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	"Physician–patient partnerships are essential when choosing amongst various therapeutic options to maximize adherence"	
	when choosing amongst various therapeutic	
	opnons to maximize deficience	
	Martin LR, Williams SL, Haskard KB, Dimatteo MR. The challenge	
	of patient adherence. Ther Clin Risk Manag. 2005 Sep;1 (3):189- 99. PMID: 18360559; PMCID: PMC1661624.	
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Patients need to understand their condition, treatment options, and the 'WHY' behind each treatment.

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Focus on your patient's goal. Not on medical necessity.



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What you will be learning in this training?

Learn about..

- The Fundamentals of Functional Medicine
- Immune Imbalance & Chronic Diseases
 Digestive, Absorptive, and Microbiological Imbalances
- Evidence-Based Nutritional Protocols
- Environmental Chemicals & Detoxification
- Hormonal Imbalance
 Calming The Mind: Psychophysiology of Mood Disorders
- Aging and Women's and Men's Health
 Mitochondria Function & Chronic Diseases
- Structural Integrity & Treating Chronic Pain

- Using Technology in Patient Care
 Case studies & Successful Clinical Protocols
 Coaching, Marketing, and Sales in Functional Medicine

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Choosing a comprehensive approach to health starts by asking the question: "What led this patient to develop chronic disease?"



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Principle #6

Internal Web-Like Connection Between Organs and Systems

Gut-Brain Connection	
A connection between gut function, microbiome, inflammation, and mood disorders.	
illiammanor, and mood disorders.	
Appleton J. (2018). The Gut-Brain Axis: Influence of Microbiota on Mood and Mental Health. Integrative medicine (Encinitas, Calif.), 17(4), 28–32.	
Principle #7	
Supporting Organ Reserve	
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<i>"</i>	
'Organ reserve' refers to the ability of an organ to	

successfully return to its original physiological state following repeated episodes of stress."

Atamna H, Tenore A, Lui F, Dhahbi JM. Organ reserve, excess metabolic capacity, and aging, Biogerontology, 2018;19(2):171-184, doi:10.1007/s10522-018-9746-8

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'Organ reserve' depends on many factors:

- Mitochondrial function (e.g. apoptosis)
- Structural integrity
- Detoxification ability (elimination of harmful chemicals)
- Nutritional and antioxidant status (cellular function and protection)
- Stress (productive vs destructive, lack of vs too much)

Atamna H, Tenore A, Lui F, Dhahbi JM. Organ reserve, excess metabolic capacity, and aging. Biogeronfology. 2018;19[2]:171-184. doi:10.1007/s10522-018-9746-8

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Adaptogenic herbs are known in Chinese, Ayurvedic, and Traditional medicine for their tonic effect on organs or systems.



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Health Benefits of Ginseng

- "Both in vitro and in vivo results indicate that ginseng has potentially positive effects on heart disease"
- "Ginseng is a promising treatment for fatigue. Both American and Asian ginseng may be viable treatments for fatigue in people with chronic illness."

Principle #8	
Vital and Thriving, Not Just Disease-Free	
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"Health is a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity."	
absence of disease or infirmity."	
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World Education Service. Constitution. Retrieved from https://www.who.int/about/who-we-	
are/constitution	
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