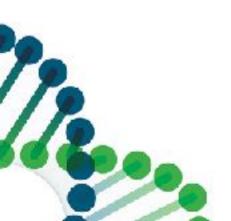
Principles of Strategic Medicine

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Disclosure:

Relationship with commercial interests - None Disclosure of commercial support - None Conflict of interest - None

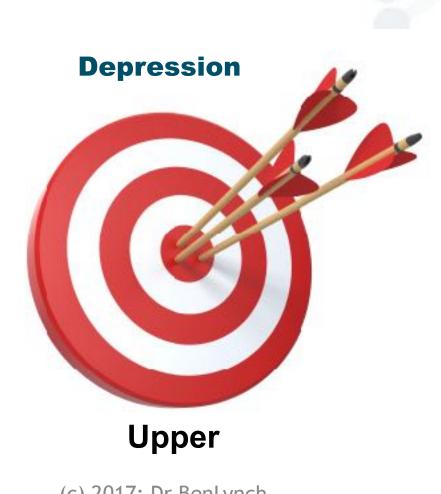












MTHFR C677T +/+

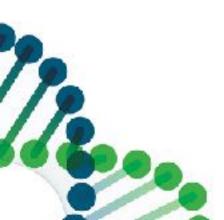
COMT V158M +/+

CBS C699T -/-

MAOA T941G +/+

PEMT 5465G>A +/+

BCO1 R267S +/+







REDUCTIONISM

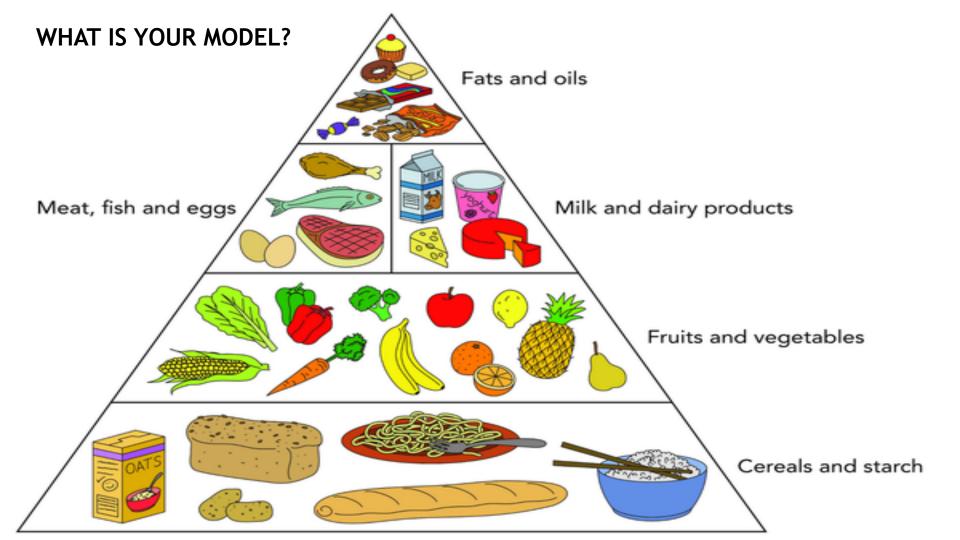
"If we are intellectually honest, we must discard old ideas and look for new paradigms to explain the cause of symptoms in a disease if we test a rationally designed therapy in patients with the disease, but it fails repeatedly."

Dr. Anthony Linnane

Cell danger response, Naviaux

experiences is stored. It's true that we start life with the gift of our genes, but it's also true that we become capable through the learning and development of mental models that enable us to reason, solve, and create. In other words, the elements that shape your intellectual abilities lie to a surprising extent within your own control. Understanding that this is so enables you to see failure as a badge of effort and a source of useful information—the need to dig deeper or to try a different strategy. The need to understand that when learning is hard, you're doing important work. To understand that striving and setbacks, as in any action video game or new BMX





Category	RSID	Gene	Expected	Genotype: Risk	Genotype Freq	Gene Function	Consequences	Encourage	Avoid
Neurotransmitter	re4880	COMT	G	AG: 1/2	48.2074%	Degrades catecholamines, Phase	Slower breakdown dopamine,	Hydroxy B12	Methyl B12, Methyl
Levels						II, inactivates hydroxy-estrogens	cestrogen, worrier, prone to	(hydroxyoobalamin)	donors, Cannabis
							anxiety, more sensitive to green		
						_	tee		
Neurotransmitter	196323	MAO-A	G	TT: 2/2	N/A	Oxidizea serotonin, dopemine,	Lower expression of MAO A	Progesterone	Curcumin, Estrogens,
Levels						epinephrine, corrpinephrine			Androgens
Folate One-Carbon	rs651952	BHMT08	T	CT: 1/2	48.0752%	Methylates homocysteine to	Downregulation	Phosphatidylcholine,	
Metabolism /						mechioning		TMG,	
Methylation (FOCM)							,	Phosphatoylserne,	
								Zinc	
Folate One-Carbon	rs234706	CBS	G	AG: 1/2	39.9436%	Adds I-serine to homocysteine to	Increased responsiveness to	Vitamin B6	
Metabolism /						produce Roystathic line	homocysteine-lowering effects of		
Methylation (FOCM)							folio acid. Marginally increased		
							disposal of homocysteine.		
Folgte One-Cerbon	ra1805087	MTR	A	GC: 2/2	4.79560%	Converts homocysteine into	Upregulation that can deplete	Methyl b12,	
Metabolism /						methionine	methyl-512.	L-methylfclate,	
Methylation (FOCM)								Lithium ordiate,	
								Grepeseed extract	
Folgte One-Cerbon	ra1802059	MTRR	G	AA: 2/2	9.58110%	Machyletea, recycles vitemin b12	Less active enzyme	Methyl B12	
Metabolism /									
Methylation (FOCM)									

ARE YOU USING THE RIGHT MODEL?

CLINICALLY IRRELEVANT. CAUSING CONFUSION. LOST TIME. WRONG TURNS.

GAD1 C10180T	T	TT	+/+
GAD1 C14541T	Т	CT	+/-
GAD1 C2627A	A	AC	+/-
GAD1 C34281T	Т	CT	+/-
GAD1 G25509C	С	CG	+/-
GAD1 G39901A	G	GG	+/+
GAD1 G3992T	G	GT	+/-
GAD1 G5276A	G	GG	+/+
GAD1 T21922C	Т	TT	+/+
GAD1 T30473C	С	CT	+/-

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WE MUST CHALLENGE WHAT IS COMMONLY ACCEPTED

CLINICALLY RELEVANT. EFFECTIVE MEDICINE.

@drbenlynch PS, I just attached Howe2015, a more recent paper that did a metaanalysis of all the anixiety pathway genes, incuding GAD1/2, and the only snps that passed were:

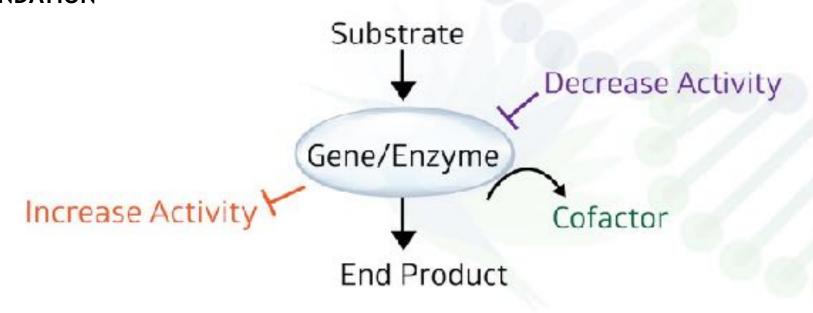
TMEM132D

rs7370927 (T allele: odds ratio (OR) = 1.27, 95% con rs11060369 (CC genotype: OR = 0.65, 95% CI: 0.53

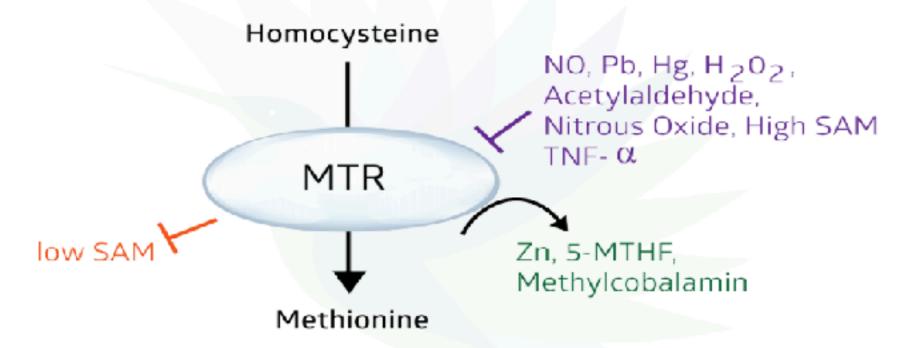
COMT rs4680

GAD snps did not make it either.

ASSEMBLING THE RIGHT MODEL BEGINS WITH A HEALTHY FOUNDATION



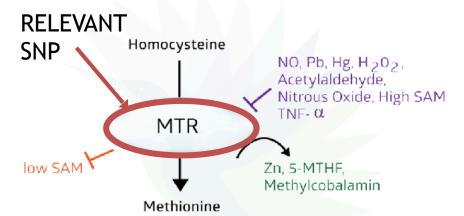
APPLYING THE MODEL



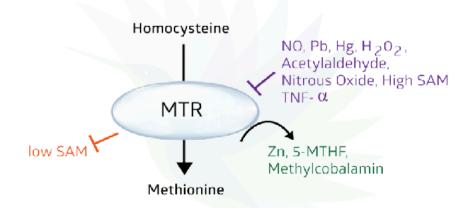


EXPANDING THE MODEL - A Dirty Gene

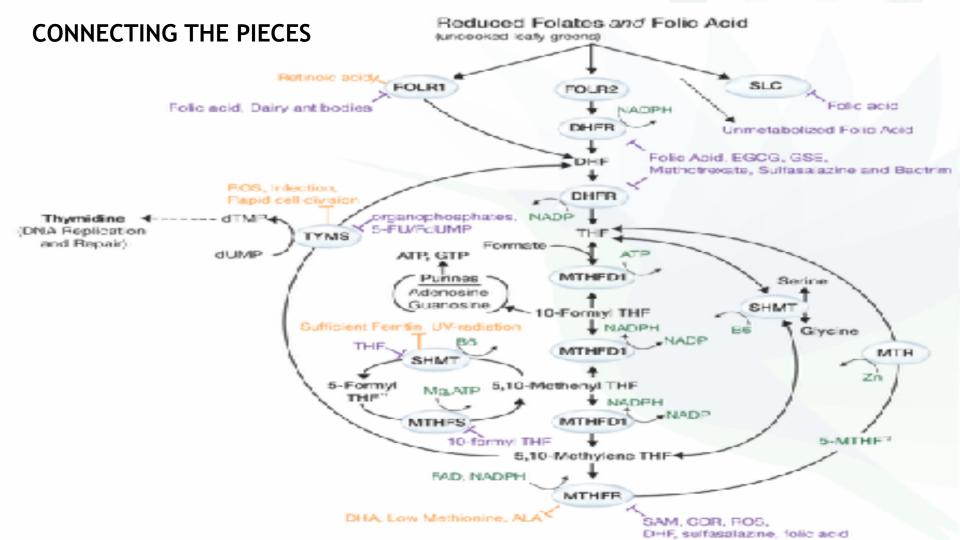
BORN DIRTY (some people)

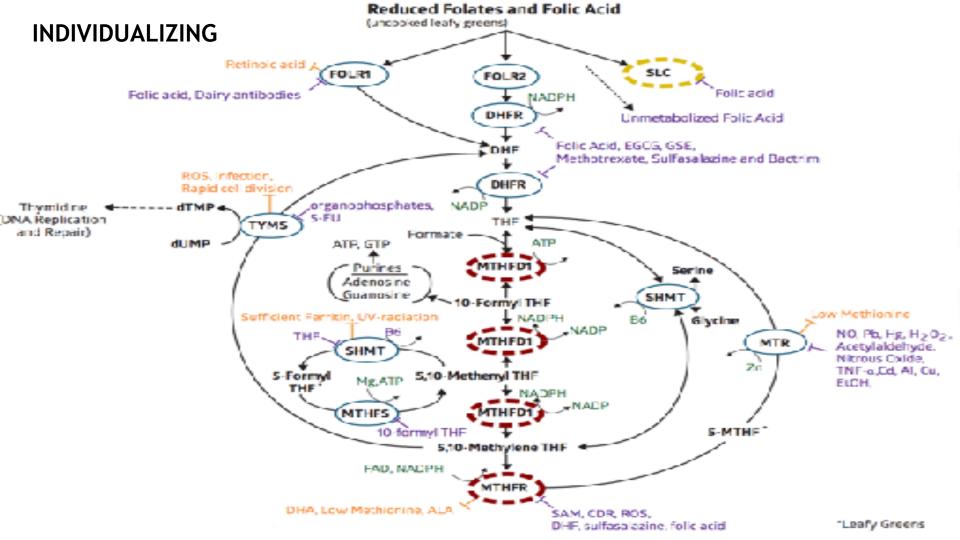


BECAME DIRTY (most people)

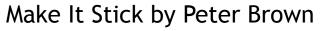


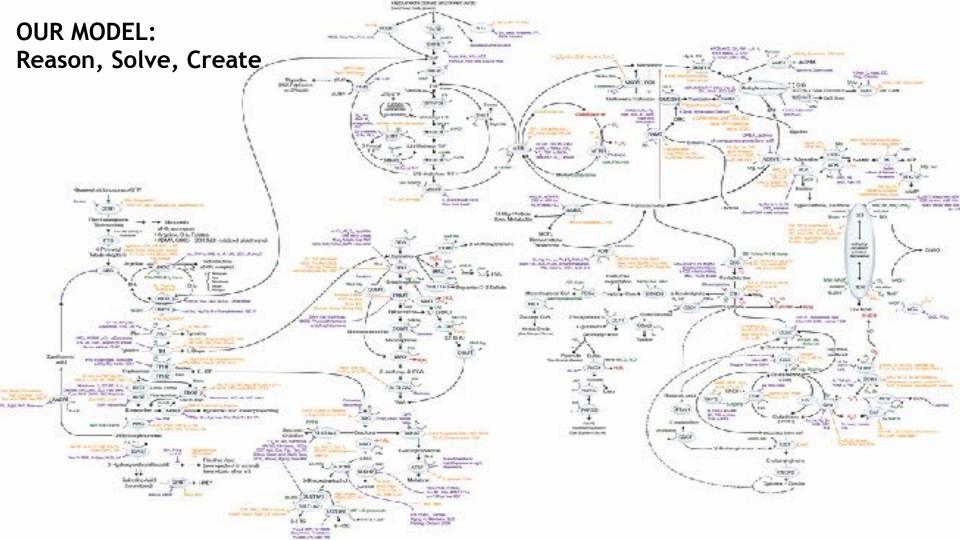






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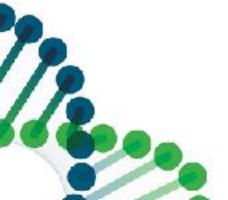








STRATEGIC MEDICINE



Practical

Logical

Strategic

Alignment

Plot

Plan

Foundation

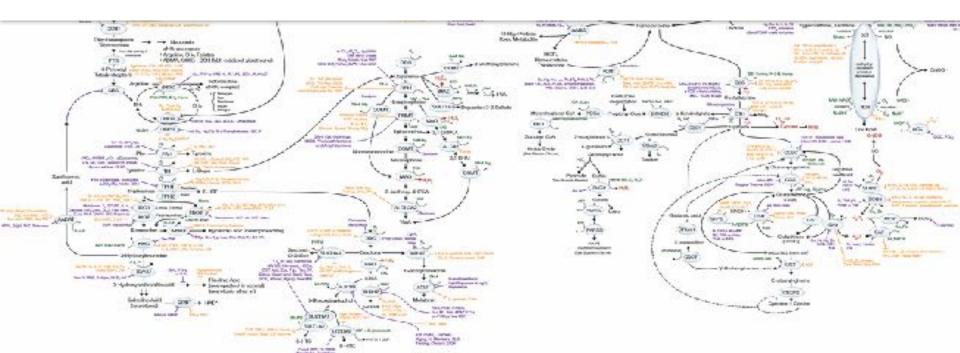
Response

Docere

Timeline

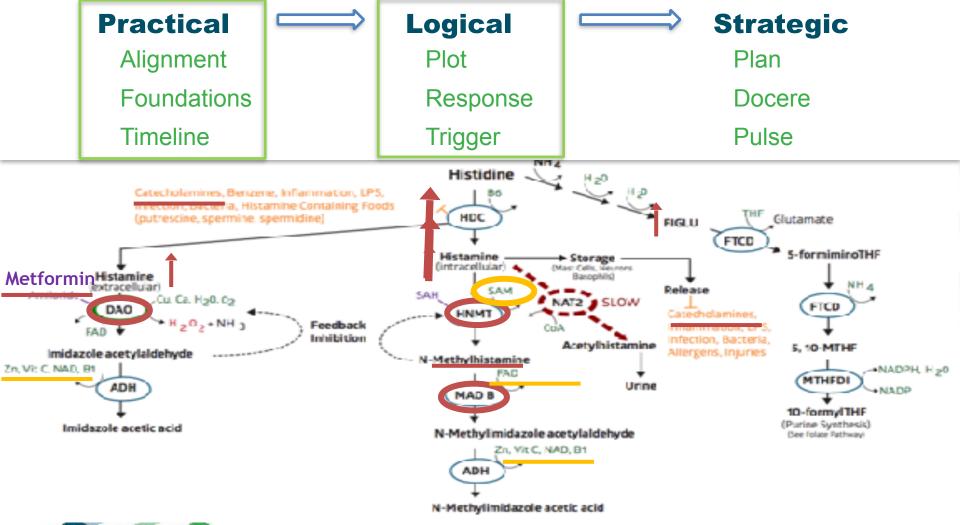
Trigger

Pulse





Palliate or Resolve?



Plan

Timeline

Cell danger response – work with it

Foundation work

Remove

Tracking

Follow up schedule

Spot Cleaning: SNPs



Docere

Online education

Expectations

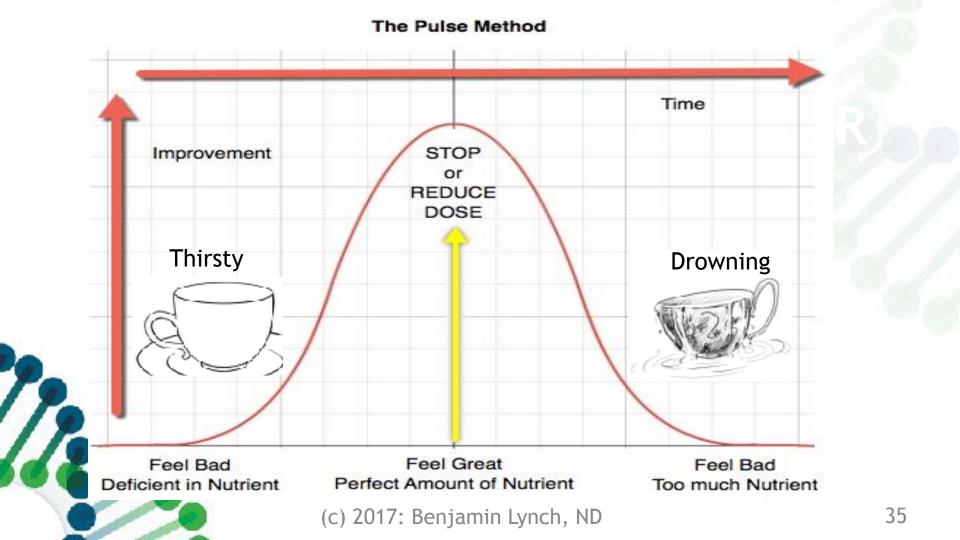
Foundation Support

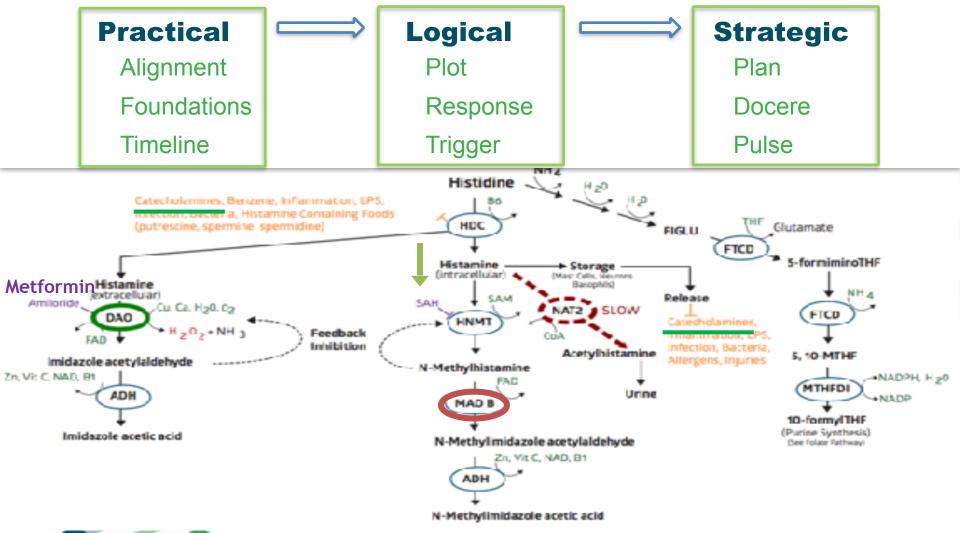
Empowerment

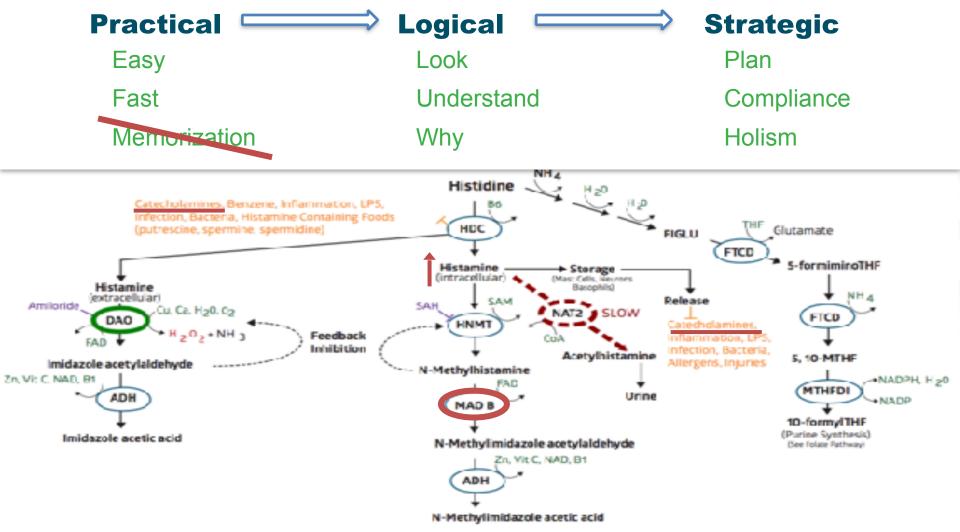
Resources

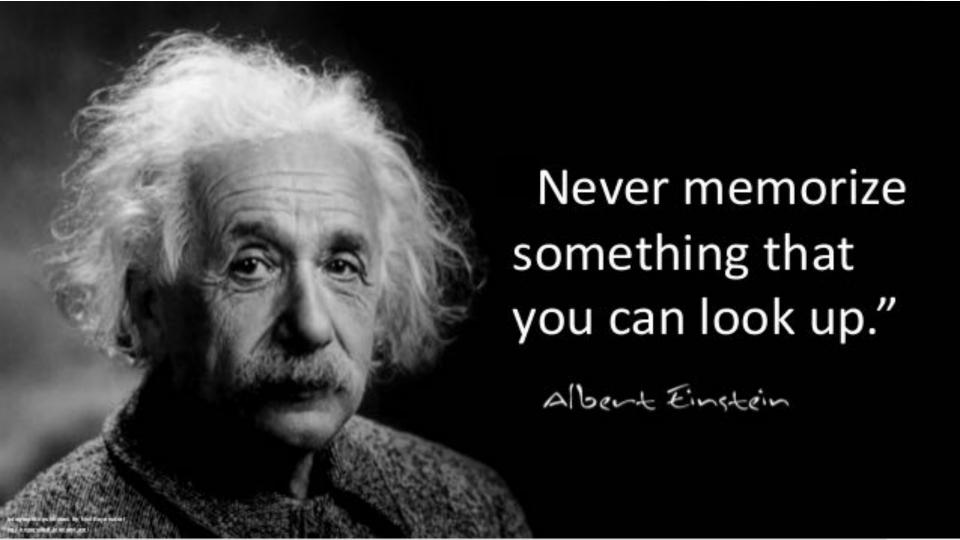
Pulse Method





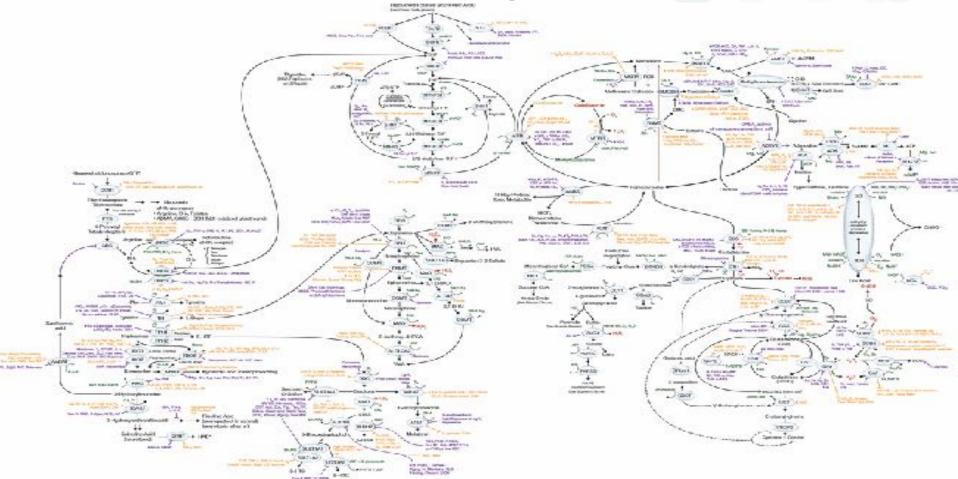






together seamlessly: the batter connects with the ball and drives it through a hole in the outfield, buying the time to get on first and advance his men. Because he has culled out all but the most important elements for identifying and responding to each kind of pitch, constructed mental models out of that_ learning, and connected those models to his mastery of the other essential elements of this complex game, an expert player has a better chance of scoring runs than a less experienced one who cannot make sense of the vast and changeable information he faces every time he steps up to the plate. Many people believe that their intellectual ability is hardwired from birth, and that failure to meet a learning challenge

Welcome to Strategic Medicine



References

All papers shown in presentation are published in PubMed and cited

All books demonstrated here are cited:

Make it Stick

All diagrams shown have references organized by pathway and gene.

References may be found here:

https://seekinghealth.org/bibliography/