

**Immune Reflectivity and Natural  
Marker Autoantibodies:  
Precision diagnostic and location  
of inflammation**

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Often situation: a non-verbal child of 3-5 years;  
Indirect signs indicate: the child has some  
pathology in the digestive system.

***But where?*** (Stomach? Pancreas?  
The small intestine? Colon?...)



Fortunately, we have an instrument that will  
accurately indicate the localization of the main  
pathological process. Even if ultrasound or  
computed tomography does not detect anything.

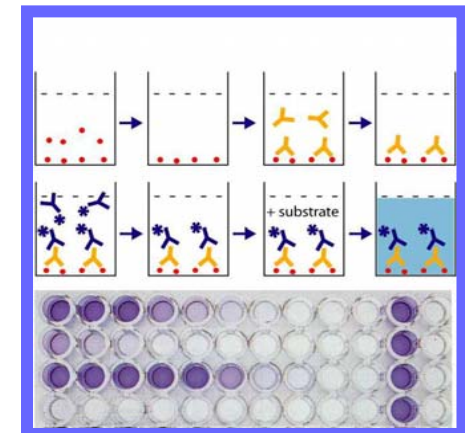
*The name of the instrument is ELL-Test*

**Rene Larische** (famous doctor of the early XX century): “Any disease is a drama in two acts – the **FIRST (long)** develops with extinguished candles in the silence of our organs and tissues, and only in the **SECOND (short)** appears the pain and other signs of disease.

*Fortunately, we have an instrument that will accurately indicate the localization of the pathological process Even silent. Even if ultrasound and computed tomography now does not detect anything. **The name of the instrument is ELI-Test.***

### **Pre-disease diagnostics**

**NB: ELI-Test make it possible to detect the drama as early as at the first act (clinically silent)**





**Magic Mirror of  
Antibodies**

**The Immune System has  
important ability –  
**A REFLECTIVITY.****

It means: if the content of  
any antigen in the body do  
change – its mirrored by  
changes in respective  
***ANTIBODIES. Why?***



# ANTIBODIES

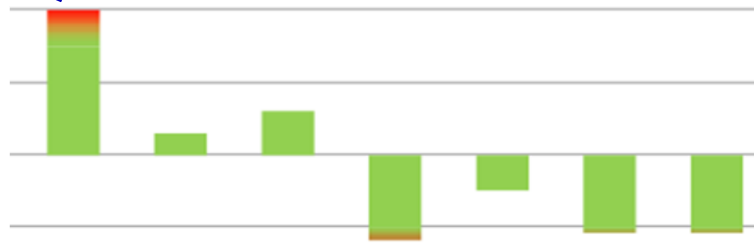
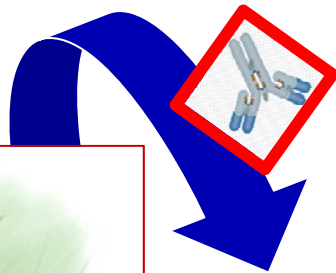


*Antibodies (together with macrophages) are the main instrument of immune clearance of the body from any hazard and waste molecular products. Therefore:*

- Increase the titers of antibodies to CMV or *Myc. hominis* indicate the elevated presence of antigens of the viruses or bacteria in the organism.
- Elevated concentration of any intracellular self-antigen (after inflammation and activation of cells death) leads to the rise of according antibodies to the self-Antigens too.
- Abnormal rise the synthesis of any self-antigen (i.e. Receptors of Insulin) leads to the increase production of according antibodies.

***Antibodies reflect any antigenic abnormality in the body***

If some organ needs in more active clearance – the Immune System increases production of antibodies with necessary specificity



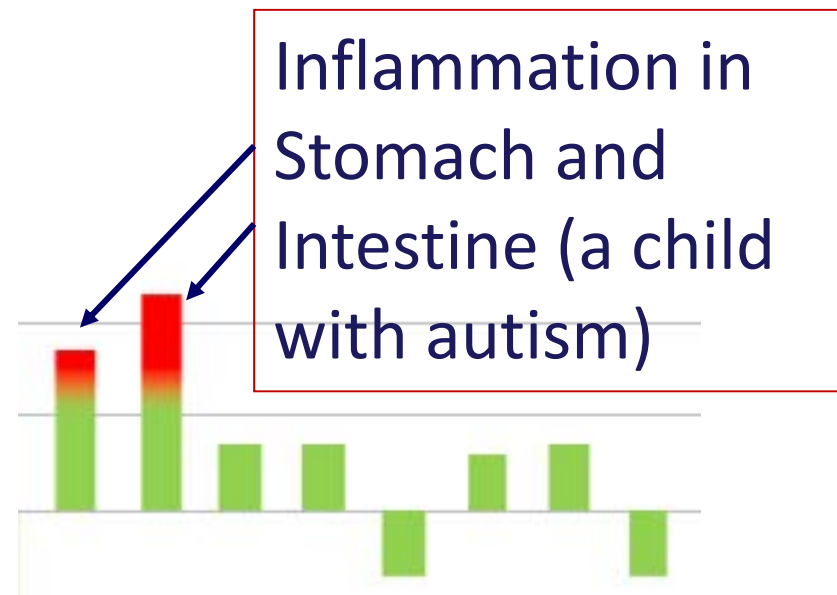
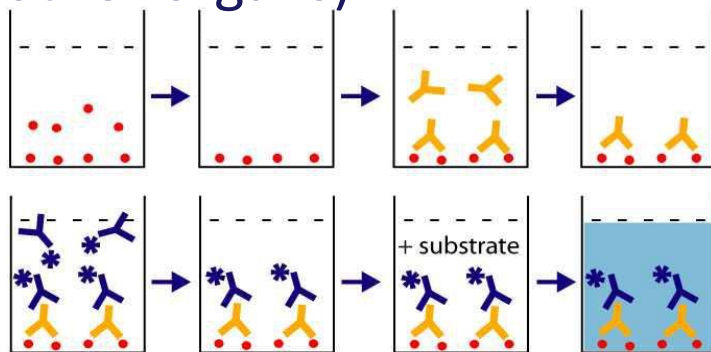
So, any tissue damage accompanied by activation of Autoimmune Reactions. **Not pathogenic but physiologic ones (SANOGENIC)**

# This principle became the ground for the developing the Technology of **ELI-Test**

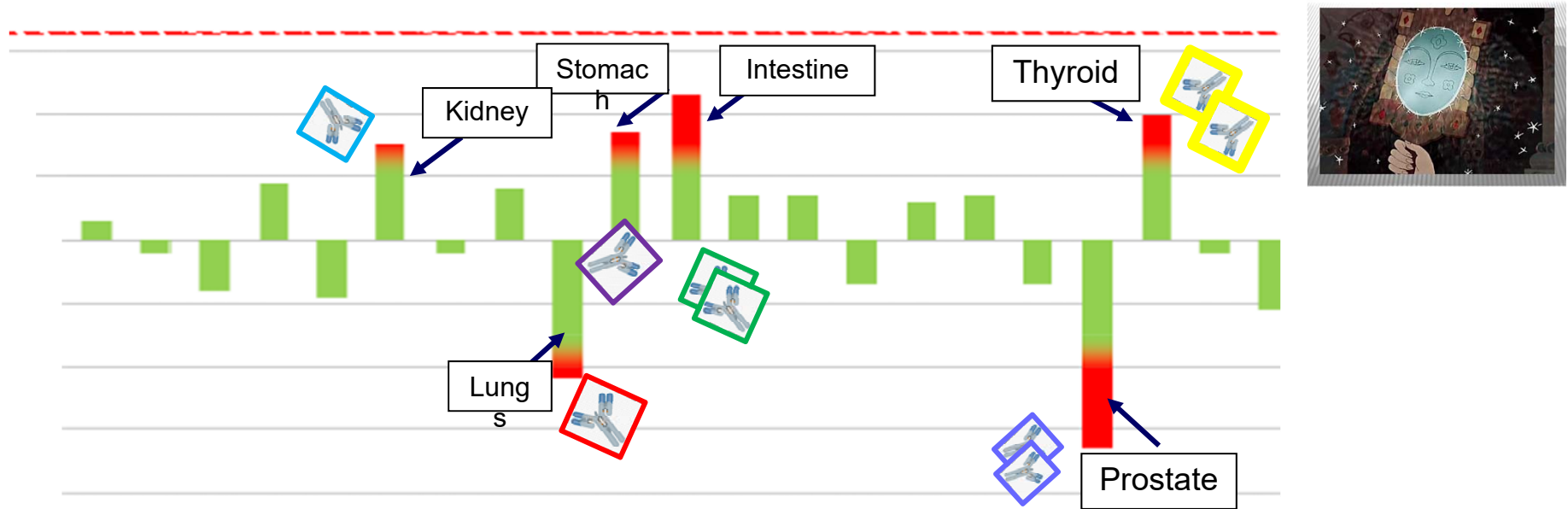
**(ELI-Test = abbr. from Enzyme-Linked Immuno-Test)**



**ELI-Test:** The analysis of the **PROFILES OF IMMUNE REACTIVITY** reflects rise of the content of marker auto-Abs in the serum of patient (that is abnormalities in the gut, brain, stomach, kidney, or other organs)



# The Immunoreactivity Profiles of the Blood Serum of Patient



ELI-Tests reflect changes in the ratios between antibodies with different specificity. These ratios are stable in Norm, but vary prominently with the development of pathology in a particular organ. The changes in the serum immune reactivity profiles are QUANYITATIVE



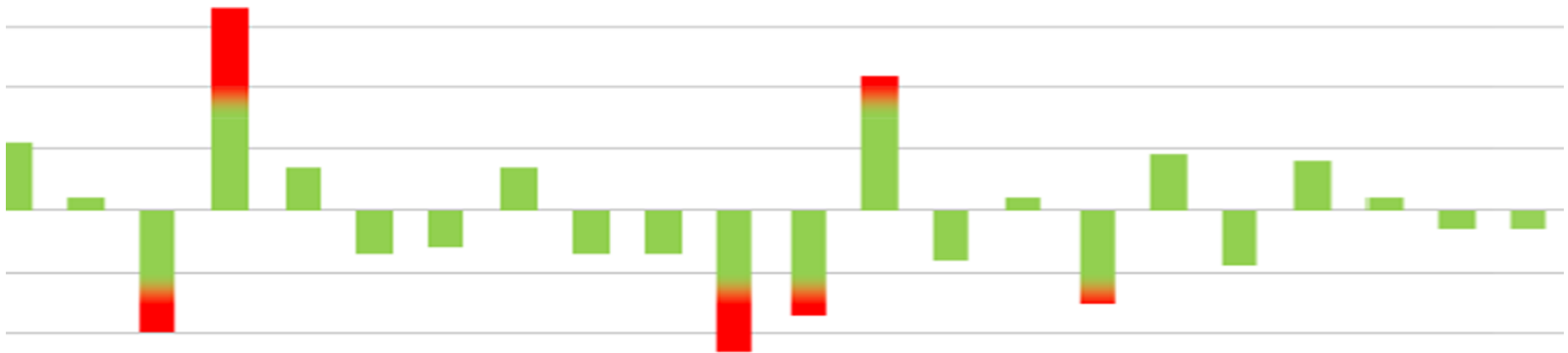
<b>Acute Infection, Inflammation, Adhesions/Connective tissue, Apoptosis</b>	dsDNA	<b>37</b>	-20...+10
	$\beta$ 2-Glycoprotein I	0	-20...+10
	Fc-Ig		
	Collagen-2		
<b>Hearth</b>	CoM-02		
	$\beta$ 1-Adrenoreceptors	5	-20...+10
<b>Platelets and blood vessels</b>	TrM-03	-5	-20...+10
	ANCA	7	-20...+10
<b>Kidney</b>	KiM-KiS	14	-20...+10
<b>Lungs</b>	LuM-LuS	-12	-20...+10
<b>The stomach, small intestine, large intestine</b>	GalM-02	<b>22</b>	-20...+10
	ItM-07	-9	-20...+10
	SCM	<b>43</b>	-20...+10
<b>Liver</b>	HeS-08	-11	-20...+10
	HMMP	2	-20...+10
<b>Insulin and insulin receptors</b>	Insulin	-4	-20...+10
	Insulin-Receptors	8	-20...+10
<b>The thyroid gland</b>	Thyroglobulin	2	-20...+10
	TSH-Receptors	3	-20...+10
<b>Adrenal gland</b>	AdrM-D/C-0	-11	-20...+10
<b>Prostate (m); Endometrium (f)</b>	Spr-06	<b>18</b>	-20...+10
<b>Nervous system</b>	S100	5	-20...+10
	GFAP	-3	-20...+10
	MBP	-21	-20...+10
<b>personal Immune Reactivity (pIR)</b>		<b>-45</b>	-30...0

ELI-Viscero-Test: Quantitation of the Health State



## ***Crucial questions:***

- ***Doctor, what did you find?***
- ***Doctor, what shall I do?***



***“Sana Mens In Corpore Sano”***

*Iuvenalis*

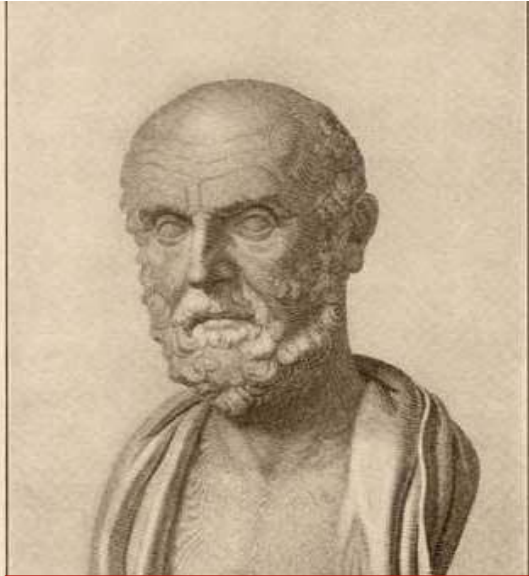
## **Combined correction<sup>1)</sup>**

- Individualized diet – the main instrument for correction of the GALT functioning (Immune correction in general);
- Correction of the microbiota;
- Removing excess of toxic factors;
- The replenishment of necessary microelements and vitamins;
- Psychosomatic correction

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**1) *Without pharmacological drugs in a most cases***

Hippocrates (460-377 B.C.)

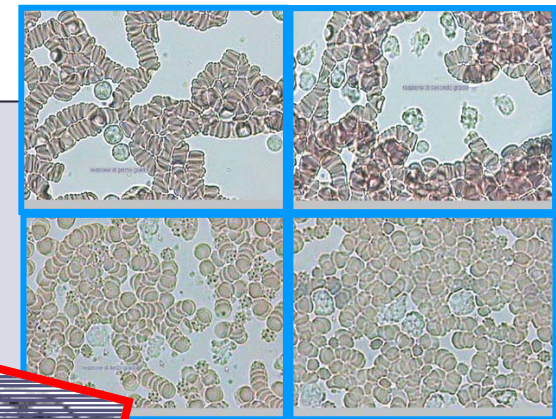


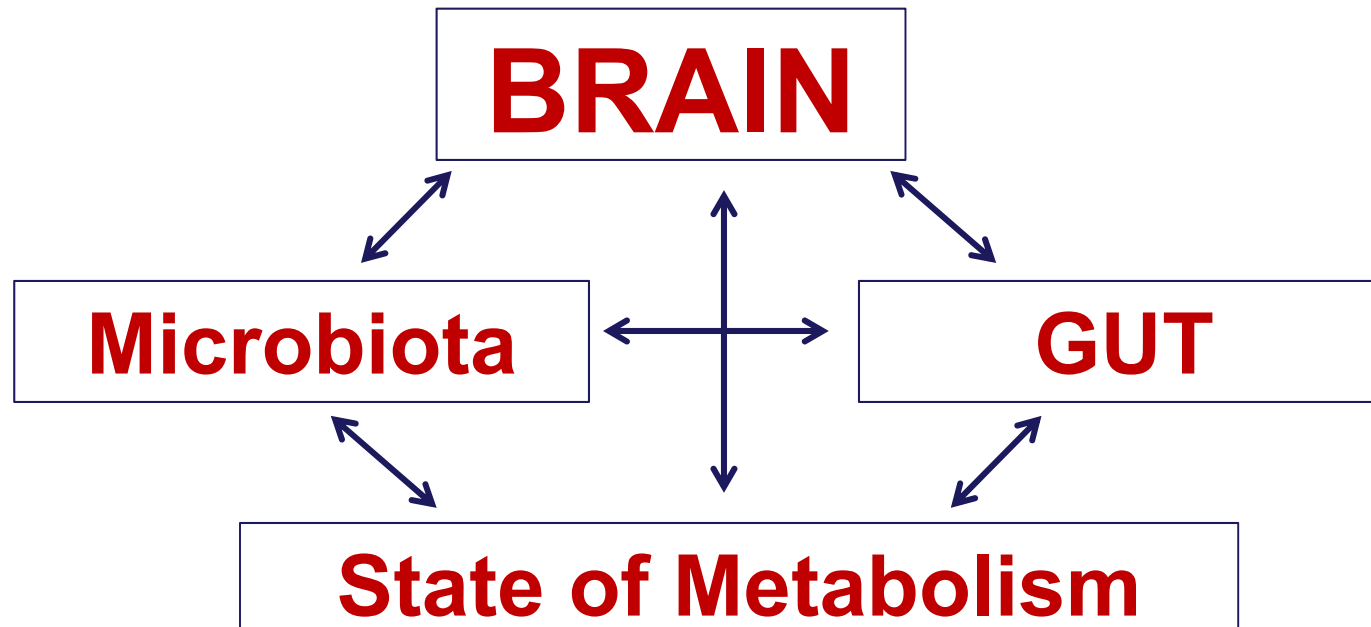
Thy food should be thy medicine

**Cytotoxic Test:** WHAT SHOULD EAT AND SHOULD NOT EAT AN INDIVIDUAL PATIENT (individual abnormal immune reactions on food AGs)



Prof. Carmelo RIZZO

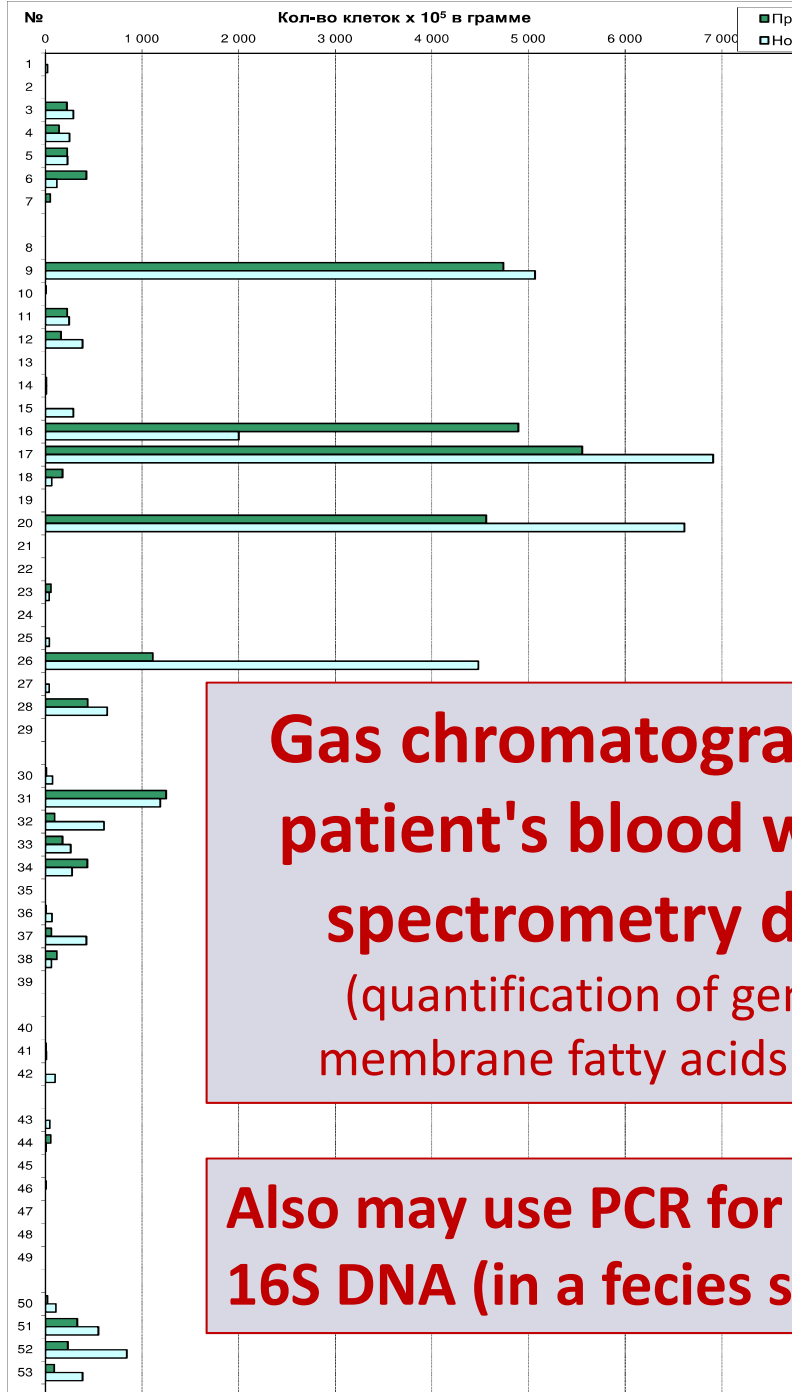




**THE EFFECTS ARE ALWAYS BIDIRECTIONAL**

**Panic attacks, phobias, depression, etc. can be eliminated  
by correcting the composition of the microbiota**

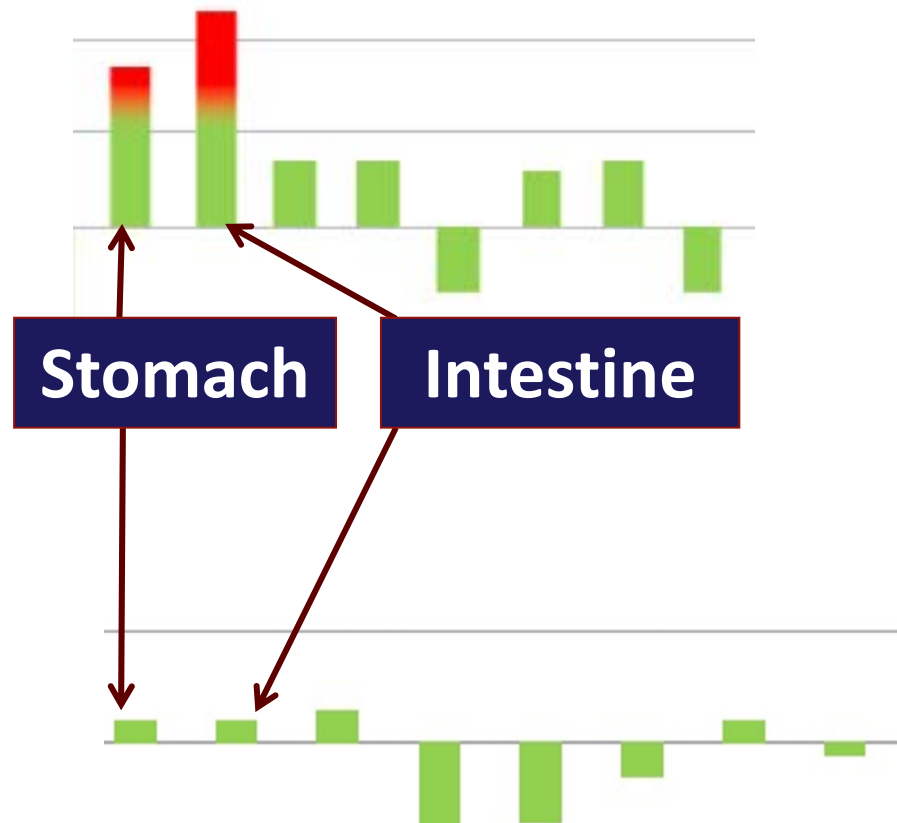
№	Микроорганизм	Проба	Норма
<b>Кокки, бациллы</b>		<b>10<sup>5</sup> клеток/грамм</b>	
1	Bacillus cereus	0	23
2	Bacillus megaterium	0	0
3	Enterococcus spp.	221	290
4	Streptococcus spp.	141	249
5	Streptococcus mutans (анаэробные)	225	229
6	Staphylococcus aureus	423	120
7	Staphylococcus epidermidis	55	0
<b>Анаэробы</b>		<b>10<sup>5</sup> клеток/грамм</b>	
8	Bacteroides fragilis	0	0
9	Bifidobacterium spp.	4 739	5 067
10	Blautia coccoides	3	0
11	Clostridium spp. (группа C. tetani)	223	245
12	Clostridium difficile	162	385
13	Cl. histolyticum/Str. pneumonia	0	0
14	Clostridium perfringens	11	12
15	Clostridium propionicum	0	288
16	Clostridium ramosum	4 897	2 000
17	Eubacterium spp.	5 555	6 912
18	Eggerthella lenta	176	68
19	Fusobacterium spp./Haemophilus spp.	0	0
20	Lactobacillus spp.	4 563	6 613
21	Peptostreptococcus anaerobius 18623	0	0
22	Peptostreptococcus anaerobius 17642	0	0
23	Prevotella spp.	60	38
24	Propionibacterium spp.	0	0
25	Propionibacterium acnes	0	42
26	Propionibacterium freudenreichii	1 111	4 480
27	Propionibacterium jensenii	0	38
28	Ruminococcus spp.	436	640
29	Veillonella spp.	0	0
<b>Актинобактерии</b>		<b>10<sup>5</sup> клеток/грамм</b>	
30	Actinomyces spp.	13	77
31	Actinomyces viscosus	1 249	1 190
32	Corynebacterium spp.	95	605
33	Nocardia spp.	179	262
34	Nocardia asteroides	435	274
35	Mycobacterium spp.	0	0
36	Pseudonocardia spp.	1	70
37	Rhodococcus spp.	62	423
38	Streptomyces spp.	122	62
39	Streptomyces farmamarensis	0	0
<b>Энтеробактерии</b>		<b>10<sup>5</sup> клеток/грамм</b>	
40	Enterobacteriaceae spp. (E.coli и др.)	0	0
41	Helicobacter pylori	9	14
42	Campylobacter mucosalis	0	99
<b>Грам-отрицательные палочки</b>		<b>10<sup>5</sup> клеток/грамм</b>	
43	Alcaligenes spp.	0	48
44	Kingella spp.	55	10
45	Flavobacterium spp.	0	0
46	Moraxella spp./Acinetobacter spp.	8	0
47	Porphyromonas spp.	0	0
48	Pseudomonas aeruginosa	0	0
49	Stenotrophomonas maltophilia	0	0
<b>Грибы, дрожжи</b>		<b>10<sup>5</sup> клеток/грамм</b>	
50	Aspergillus spp.	24	110
51	Candida spp.	329	549
52	Микр грибы, кампестерол	231	842
53	Микр грибы, ситостерол	93	384



**Gas chromatography of the patient's blood with Mass-spectrometry detection (quantification of genus-specific membrane fatty acids of bacteria).**

**Also may use PCR for ribosomal 16S DNA (in a fecies samples)**

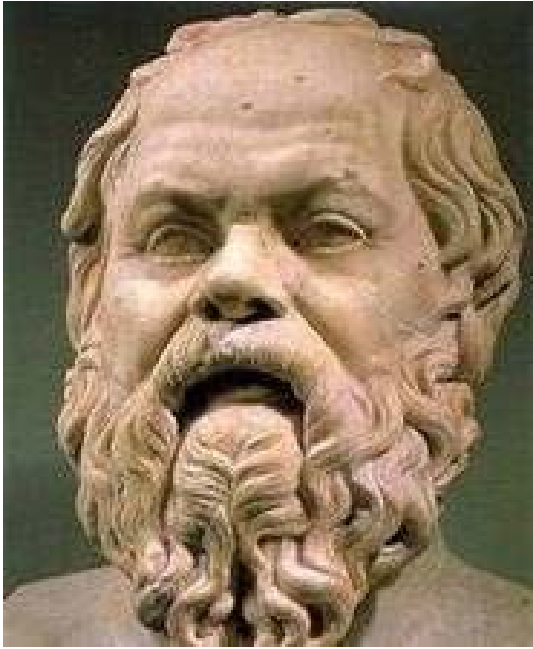
**ELI-Viscero-Test:** inflammation in stomach and intestine before (above) and after treatment (below)



***(Microbiota correction  
+ Individualized Diet)***

**Initially:** Boy 3.5 y.o.;  
Non-verbal,  
Stereotypies,  
Aggression,  
Immune suppression,  
Digestive problems

**After treatment**  
**(~8 months later)**  
Reducing of  
stereotypies,  
Termination of  
Aggression,  
Normal digestion,  
Advent of speech



***A human needs not  
only health!***

But if there is no health - do  
not need anything ...

*Socrates (469 - 399 B.C.)*

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Today it is possible see a disease  
beforehand ...

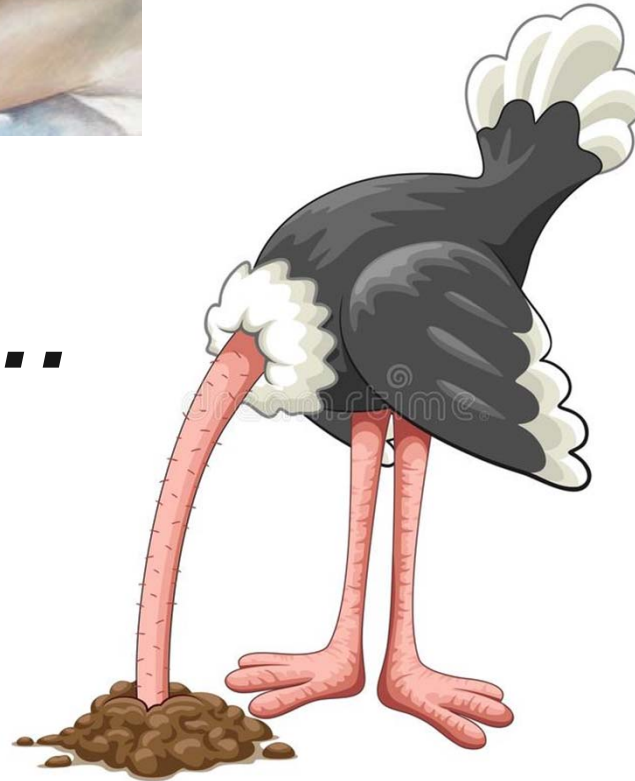


# Question is:



Would you like to see the reflection of you health in immune “Magic Mirror”?

*Or ...*



# From Moscow with love

