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Biochemical Memory and Quantum Chemistry:

Some cases report on alcohol abuse and atherosclerotic plaque vasculopathy treatments

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ABSTRACT

The analytical chemical progress is substantially related to the challenge of chemistry to medicine. This science is based on human detector, but sometime when our body is able to produce a signal in presence of a compound no chemical analysis is able to reveal this presence. So we must try to look for other ways of detection. A new way so is opened based not on the direct analysis of the compound but on its effect on another component. Memory of water beyond the scientific aspect exploited this principle [1]

These considerations could help to understand as well a new nutraceutical line for the modulation of the response to alcoholic excesses and the risks for safety, efficiency and driving license, with potential pharmacological implications on the regulation of primary enzymatic and pathophysiological processes, is emerging amidst surprise in the medical and scientific community, and the supervisory bodies themselves.

The enigmatic activation of alcohol dehydrogenase and acetaldehyde dehydrogenase could explain the accelerated reduction of blood alcohol levels, which might convey easily the ethyl alcohol towards the aerobic metabolism, with the production of ATP, water and carbon dioxide, reducing until the state of inebriation disappears [2].

Disorder by damage of biochemical memories, recent developments in the nutraceutical field, have found out new ways to correct some dangerous "deviations" of the human nutritional process. A series of repetitive biochemical memories seems to be implied: they play a role in leading Krebs cycles of fats and the urea. If only one of these memories loses its function, some damages may occur. Some studies of computational biology are focusing their attention on the kind of biochemical memories and their role (memory "switch" in chemical reaction space by Naren Ramakrishnan and Upinder S. Bhalla <https://doi.org/10.1371/journal.pcbi.1000122>).

The new line of Citozym, to high concentration of sugars and rich of bioinformations, seems to enhance the reactivation of these memories with the aim of correcting the anomalies affecting the homeostatic cycle.

A study on ethyl alcohol metabolism (in its different and deviated Dionysian manifestations as pointed out by recent governmental reports) shows that these dietary supplements have achieved encouraging results in leading effectively the enzymatic activities, as in the case of ethyl alcohol, pushed towards the Krebs cycle and the aerobic metabolism, as reported in some cases of alcohol excess with significant reduction of blood alcohol content and recovery of clarity reflexes and wellness [3].

The mechanisms based on the biochemical memory, with which the ingredients of the dietary supplement would enable this enzymatic activation, need to be analyzed in a deeper way, in order to verify these results in the academic and institutional fields as well.

The enigma of the biochemical memories of sugars might be unveiled by likening it to another of the great contemporary scientific enigmas, that of the memory of water, which is at the center of a significant scientific controversy, with notable theoretical, experimental, and biotechnological developments beginning to clarify the role and function of water in biological systems, as evidenced by the extensive review of the literature by the Group of Scalia and Valenzi

and the theoretical developments applied to the experiments by Preparata, Widom, Montagnier and colleagues [4-5-6-7-8]

But if the process of enzymatic activation in alcohol is quite clear, the mechanisms of action in the reduction of local and diffuse atherosclerotic plaque, appear to be much more complex, although two cases we have followed, demonstrate results of interest for strategies to prevent and to cure atherosclerotic plaque. The first case was presented at a seminar in Rome, Tor Vergata, on the treatment of a perimalleolar ulcer and a carotid plaque; the second only concerns the carotid with a reduction of carotid obstruction from 70 to 40% <https://www.vglobale.it/wp-content/uploads/2014/03/8Marzo-Valenzi-caso-clinico.pdf>

Two works on the subject was published in the last ten years by Beninati Group [9-10] . Other experiences in nutraceutical integrative approach to contrast to viral and bacterial infections, help rehabilitation and wellness, with reactivation of Biochemical memories in a something similar to a panacea, seems again correlate to rinormalization of Krebs cycle, connected also to basic cell activity in Mitochondria as wrote in Medscape in a recent report about: [11] *“...to the virus suppression of mitochondrial genes inhibited or inactivated the entire OXPHOS complex; this forces an alternative pathway to energy production - essentially hijacking the cells to make more virus. Even after clearance of the virus, there was evidence of chronic OXPHOS inhibition. The authors point out: the irreversible inhibition of visceral mitochondrial transcription could also contribute to the multisystem symptoms of Long COVID. Which brings us to potential therapies that would restore intact mitochondrial function, especially those that can be repurposed”* as discussed in a article by Michael N. SackJ Clin Invest. 2018;128(9):3651-3661 (<https://doi.org/10.1172/JCI120845>).

This last development on mitochondria and Krebs Cycle researches, could help to understand the enigmatic role of Citozym line in many disorder in particular in the nutraceutical support with:

- a) improvement of performance status in normal people and in sportsmen
- b) immune response stimulation against virus bacteria, cancer cell, etc.,
- c) improvement of lipid metabolism,
- d) contrast side effect of drug, in chemio and radiotherapy
- e) improvement of enzymatic activity in some genetic disease as leucodistrofia, duchenne, etc.,
- f) Regeneration of ulcerated tissues, traumatic wounds, burns, etc

with some laboratory results observed as emerged by study of Colizzi Beninati e coll <https://www.citozeatecsrl.ch/download/fondamentale-riduzione-dello-stress-ossidativo-e-dalle-radiazioni-fotochimiche/> .

Two important side effects was observed,

- g) increase in intestinal peristalsis and gas in the first days of intake, with social problems (but may be useful for constipation),
- h) increase in uric acid from activation of the purine line with risk of gout attacks.

As for all complex Active Biological Substance, side effect could arrive in form of intolerance or allergy

Some clinical case will be presented and discussed in the context of a new window on Quantum Chemistry Biological Regulatory System, that is at the center of intense interuniversity research, as emerged from the Tor Vergata seminar, of which you can find the main contributions in the report of that day of science <https://www.vglobale.it/2014/03/12/enzimi-energia-e-salute/>).

Recent advances in the last 40 years have developed between others an Quantum Analyzer to collects and analyzes the electromagnetic field emitted by cells, evaluates the coherence of frequencies to determine the functional state. Measures over 500 biophysical parameters in 2 minutes. Processes through AI for complete analysis and nutraceuticals suggestions with vitamins salt, minerals enzyme etc. type, see fig. 1-2-3, under testing and validation program of R&D.

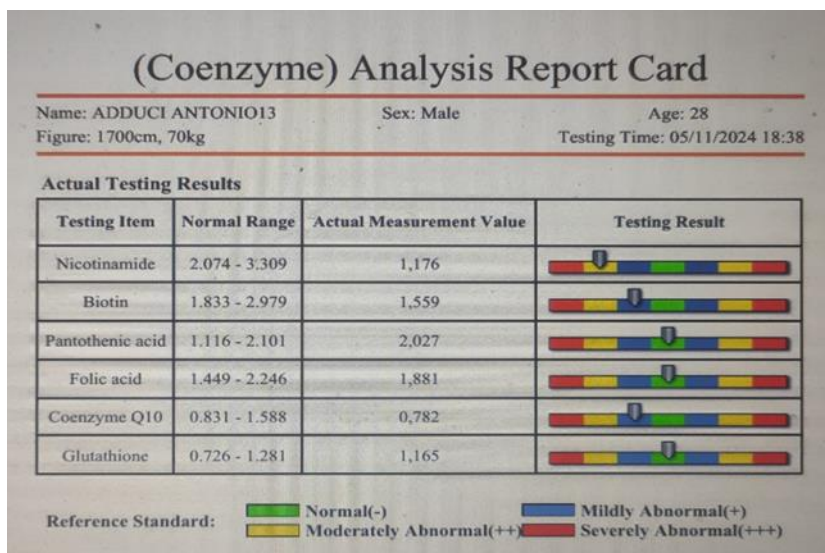


Fig .1 QRMA analysys

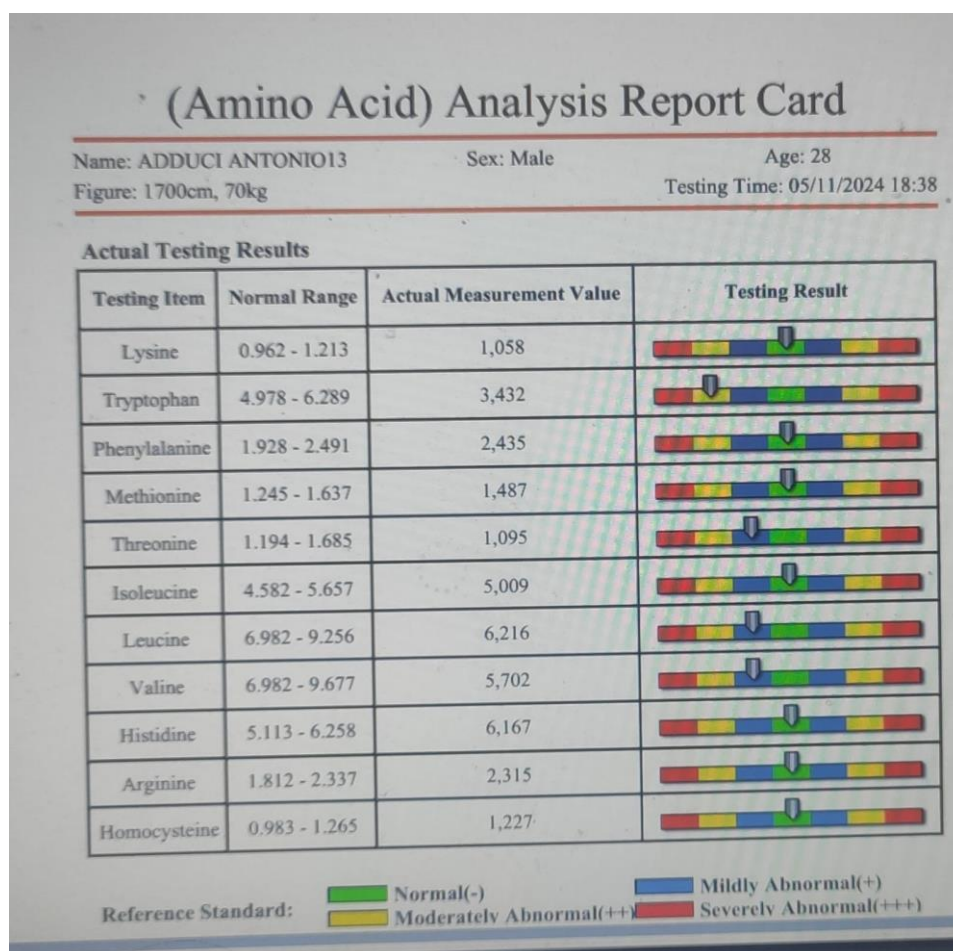


Fig. 2

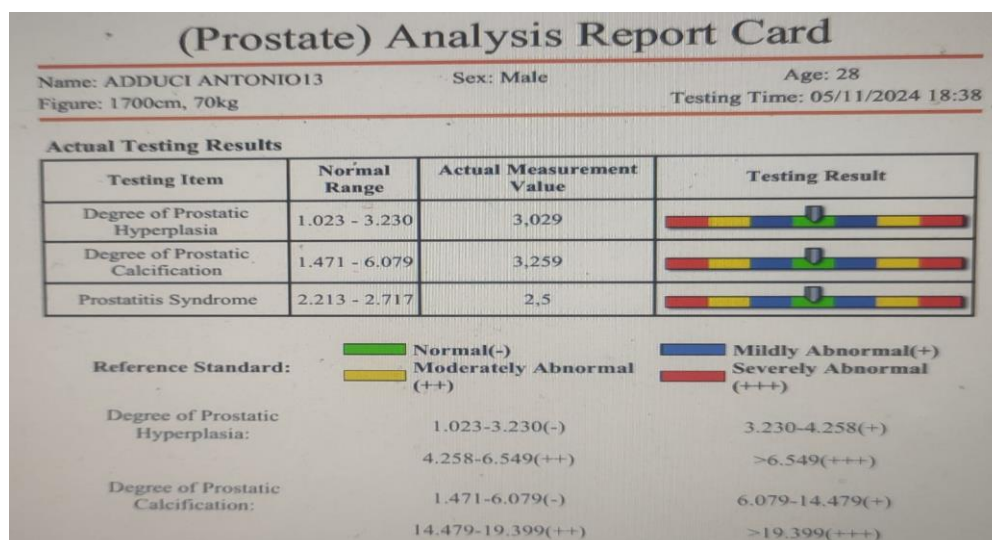


Fig. 3

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