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**SIDE EFFECTS OF DRUG AND FOOD AND DRIVEN THERAPY WITH
PARMACOGENOMICS AND PARMACOELECTRODYNAMICS**

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Abstract

It is possible to improve efficacy of great drug in the therapy of pain, infections, allergy, stress and gastric disorders, hypertension, and many other diseases using or pharmacogenomics or electroquantistic models and technologies applied with dynamometry and skin electric measures, that could improve also the selfmanagement of first level of therapy by people in near and far theatres <http://www.biophys.ru/archive/congress2012/valenzi.pdf>.

This practical development must will be tested in controlled clinical trials, but also in theoretical and experimental pharmacological clinics of researches and in biophysical theoretical development, using the fundamental basis posed 15 years ago in a research on 500 soldiers in GDF in Rome <http://www.22passi.it/downloads/biorisonanza/qeddefinitivo.pdf>.

In this pharmacoelectrodynamics model we can see how electrical phenomena are operative not only at the level of a single cell but also in all human body on top of the nervous and muscular system, with not only eeg or eeg or emg but with with other electric devices and by the Ohm's Law applications to life.

Over the last fifty years, R. Voll showed that human body could be seen as an electrical system with the electric circuitry in the Chinese meridians scheme, not based on a qualitative Yin Yang law, but following a quantitative Ohm's Law and that coherent and incoherent quantum interactions rule on the bioelectrical status (connected with performance status and physiopatological processes).

In a nutshell, the appearance of electric voltage on the skin suggested that an electromagnetic (e.m.) and a quantum mechanism could underlie the so call pseudo-allergies to drug: since these symptoms were the effects of drug, the *intriguing possibility arises that the molecules of drugs could involve a quantum and e.m. action apart from the well know chemical action.*

Hence, the paradigm : **It's the dose that make the drug**, may not be universal.

General measure on meridians (*work carried out by Valenzi, Gorgo, Ragulskaja and others*) highlighted in subjects with meteoropathies and various pathologies, that the electrical resistance increased in physical electric circuits with a medium of about 43 scale unites of SEP corresponding to 130,000 Ω . "Normal" level of resistance in human body measured with the EAV (Electric acupuncture of Voll) is 95.000 Ohm =50 us. After the administration of a coherent therapy, we saw a decrease in the resistance in a medium at 39,000 Ω (70 us), with an improvement of bioelectric performance due to an increase of physical electric currents, in accordance with Ohm's law, **$I=V/R$** .

Power in the biological system, measurable with dynamometer (0-100 Kg) with muscular test, vary with **$W=V \times I$** , with functional correlations (performance status, immunological status, muscle power, pain, inflammation, allergy, dyspnea, etc.).

It is well known from the work of Bohm-*Aharonov*, Josephson, Putof, Preparata, Trukan, and others, that the electro conductive phenomena could be influenced not only from B and E (the electric and magnetic fields) but also from A (the vector potential).

This effect seems play a real role in our understanding of the critical problem of side effects of drug (more than 100000 Americans die every year Lazarou et al. *JAMA* 1998; 279:1200–1205).

It open a *new way* towards pharmacoelectrodynamics for a tailor made or coherent therapy with drug, nutraceuticals, spa, etc. that could improve the risk/benefit ratio in medical treatments and power of drug against diseases.

Some clinical case acute and chronics treated with driven therapy will be presented and discussed in particular a case of complex fracture of omerus, cardiac crisis with fainting, cutaneos ulcer of vascular and diabetic eziopatogenesis in old man, chronich gonalgia.