

THE 'MIRACLE' OF A 23 WEEKS VERY PREMATURE NEWBORN: MATTER OR INFORMATION?

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2010-02-06

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English translation completed, in the review process.
Available for the Thursday 2011-10-20

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¿Why can Pau has a **full life** and do **all** this (playing the piano, study, play sports ...) today, like any other child his age, or even **better**? ¿And why, in the other hand, another six infants like him, which coincided in Hospital, are dead or are in **vegetative life**? **Six horrific** family tragedies that could have been avoided if science, medical science in this case, would not have looked in the **wrong direction**, as it still look today.

We will see that the **serious** error is to think that pregnancy is the **exclusively** physiological process for the newborn **when it is essentially dynamical information**:

- **management** of the **genetic** coding, **epigenetic** informational exchange, and
- the mother-child **interaction**.

The physiological / gynecological process should be understood **only** as the outer cover and, therefore, the only directly visible process.

AN EXTRACT

PHYSICS AND MEDICINE: MATTER OR INFORMATION?

Pau's story is a timely and **excellent demonstration** of a good part of the "Holistic theory". A part corresponding to 'half' of the living reality and that is complemented by another 'half' of what is inert, without life. In summary:

- matter with energy –which is currently the basic assumption of science– **doesn't** quite explain anything,
- however, **information as manager of energy and matter explains everything**, which is, in essence, the basic assumption of the Holistic theory.

In physics, overvaluing what is material and ignoring/ underestimating information is what has led to:

- 100 years of putting a stop to the development of strict theories and the current **bewilderment** (to the extent that, for example, there is a betting game on whether HIGGS's boson will be found or not in the LHC, without questioning certain theories of physics);
- the **mistaken** and **anti-intuitive** interpretations, like the idea that time 'dilates' (see [300]), or associating entropy to disorder (see [31]);
- the **incapacity** to explain reasonably and satisfactorily almost everything, seeking refuge, as sole justification, in some tables with empiric data **disguised** as a formulas (Quantum mechanics, ...);
- etc., etc., etc.

However, when taking information and energy as a base, all paradoxes, all anti-intuitive ideas and all misunderstandings **disappear**, appearing only strict theories, **coherent** with practice (practice which is nothing else but the empiric data).

In the domain of life (the other big domain, complementary to what is inert and material), only Pau's case **illustrates widely** more than half a dozen of phenomena that can only be explained from the same premise that **life is essentially information** (information inherited from the pre-material information which, in the wrongly called 'Big bang', generated matter).

And that living matter is a simple instrument, **secondary and totally managed** by information, and the same happens to physical matter. One piece of information:

- life is supported by material structures (molecules and substances, like the DNA carbonated bases, proteins and **hormones** in general, like the immune system, ... (+M, +S), and
- in the psyche not even in this material structures, the support is directly in the **symbols/ signals** of the phenomena which enable communication (–M, +S) through the neurological support,
- in physics, information appears **before**, with the wave characteristics underlying physical particles and the wrongly called 'substance' which makes the energy of vacuum, ... (*, +S)

However, independently from where the support starts, the information that manages all behaviours is always the same: information. The **only** thing that changes is its support and the way in which it is coded for it to be **compatible** with this support (which is the object of study of the **intrinsic semiology**).

Analogously to what occurs in physics when we make information intervene, if we also understand life:

- as **information that manages** the matter as well as the energy that it requires;
- and **not** as matter –regardless of your complexity– that consumes energy forced by a physical or chemical laws (**biochemistry**);

the '*miracles*' in premature newborns and the misunderstandings also disappear, and they are replaced by **strictly scientific criteria** with which we should **approach the future** of sciences of health (individual and/or collective), both of our **bodies** and **minds**.