Considerations of a physician on a lecture on the Trans-human

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ABSTRACT

The letter offers a clear presentation on the evolution of the so-called Trans-human, through brief quotes from intellectuals who have highlighted some of its fundamental characteristics and main ideas. It expresses the expectations and concerns of a physician facing these future prospects.

Considerations on the Trans-human

I have recently attended a lecture1 on the so-called Trans-human, on the emerging biological and information technologies which are allegedly capable of transforming man physically and mentally into something radically new, the hybrid.

The lecture offered a clear presentation on the evolution of this concept, through brief quotes from intellectuals who have highlighted some of its fundamental characteristics and whose main ideas, in my opinion, can be summarized as follows: i) It is rather a fear that, in the end, biotechnology will cause us in some way to lose our humanity—that is, some essential quality that has always underpinned our sense of who we are and where we are going, despite all of the evident changes that have taken place in the human condition through the course of history. (Francis Fukuyama);2 ii) Nature could not have taken a greater risk than giving birth to man. [...] Through man, nature has destroyed itself. (Hans Jonas);3 iii) Human evolution is nearly a finished chapter in the history of life. That does not mean the evolution of intelligence has ended on the Earth. We can expect that a new species will arise out of man, surpassing his achievements as he has surpassed those of his predecessor Homo erectus. The new kind of intelligent life is more likely to be made of silicon. (Robert Jastrow).4

In these three passages a storyline is retraceable and begins with the human, moves onto the substantial changes in that undefined essential quality and, through the technological transformations (genetic, artificial intelligence, robotics, nanotechnologies…), finally reaches a new posthuman entity.

The following considerations on these three aspects express the expectations and concerns of a physician facing these perspectives. Although these topics do not belong directly to the medical realm, the latter is undoubtedly affected by them, as on the one hand, many of the proposals stand as cures in their own right or as empowerment of physical-psychological abilities, and on the other hand, as medicine, by its very nature, has always had to face both objective (technical-scientific) and subjective (ethical-moral) human aspects.

While browsing the literature on Trans-human on the Internet, it is possible to find an incredibly long list of entries, and looking for that human undefined quality in that same fashion does not produce meaningful results.

Trying to restrict in a single definition the essence of human condition is not just an extremely and complex endeavor, it is simply impossible. From the Bible narrations to the theories of Einstein, Shakespearian tragedies to Beethoven symphonies, the horrors of Hitler to the lyricism of Michelangelo’s Pietà, all these threads and many more infinite ones are all connected to our humanity. As Boris Pasternak once wrote: Life always spills over the rim of every cup.5

Contrary to what the upholders of this imminent radical transformation believe, this impossibility also depends on the fact that humans have always been in constant change both in their interactions with the world, and amongst and within themselves. The image of a human existence with fixed characteristics once and for all does not reflect the truth. Both the biolog-
The possibility to use even more sophisticated technology to cure diseases and dysfunctions is a well-established medical practice: current joints prosthesis, cardiac pacemakers or neuro-microchips for Parkinson stand as well accepted and common examples.

Completely different is the aim to intervene on the genetic makeup or to introduce microchips in the brain to empower and broaden human capabilities considered at a standard level: a goal that even if not calling on the notorious eugenics, it still brings about complex questions on nature, from a sociological, economic and ethical point of view. (On which basis will the qualities to be increased be decided? Who will benefit from this opportunity? Will an invasive control on body and mind arise?). Until now physicians have intervened to correct defects and curb the suffering deriving from the break in the existing biological balances: this new approach instead would lead to abruptly unsettle the harmony established over a long period of time, with the risk of obtaining disastrous and unexpected results. If the latter happened, it would be the case as expressed by physicist Eugene Wigner on the miraculous harmony of mathematics with physics: ...a wonderful gift which we neither understand nor deserve.¹¹

The expectation that a new species able to overtake the previous ones would develop entail value judgements that are typical of human subjectivity, and echoes the ancient mythology of omniscience and immortality (not to mention the promotion of financial interests of some industries).

These short and incomplete considerations on the Trans-human, which should suggest images of an imminent post-human future, all evoke instead the title of the famous book by Friedrich Nietzsche Human, all too human as well as Pascal’s thought, which should remind us about our peculiarities and limits. Man is but a reed, the feeblest thing in nature; but he is a thinking reed. The entire universe need not arm itself to crush him. A vapour, a drop of water suffices to kill him. But, if the universe were to crush him, man would still be more noble than that which killed him, because he knows that he dies and the advantage which the universe has over him; the universe knows nothing of this. All our dignity consists, then, in thought. By it we must elevate ourselves, and not by space and time which we cannot fill. Let us endeavour, then, to think well; this is the principle of morality.¹²

References