

The contribution of comparative oncology within the overall *One Health* concept

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Abstract

[*Full text:*](#)

The authors intend to shed a crystal clear light on the notion of Comparative Oncology and, moreover, on its over-integration and contribution pertaining to the new concept of a new mundane vision of medicine, that has earned the well-deserved generic title: ONE HEALTH.

As it happens with any scientific novelty, some experts are taken aback, while others take up the challenge. Therefore, the promoters of this new concept have intended to turn it, since its very "birth", into a new approach to medicine that should unite, under the same umbrella, human medicine and veterinary medicine.

As it happens with any new beginning on the path science, the notion of comparative oncology was initially understood in veterinary medicine as a comparison of oncological diseases among animal species.

Comparative oncology is the result of adding up the scientific researches obtained from human medicine and veterinary medicine which, even if they have been following parallel roads for many years, in the long run, they have proved their compatibility, thus demonstrating the necessity of joining them.

Nevertheless, science has not come to a stop, not even for one second, because researchers still lack a link in explaining the emergence of oncological diseases in areas not elucidated yet. So new concepts have been brought about, like environmental oncology, eco-onco-prophylaxis, eco-onco-therapy which, once resolved, will contribute to mitigating the oncological diseases in humans and animals.

We acknowledge it as a futuristic idea, worthy of being translated into practice by "brave" people from very different fields of science, but without which we could not defeat the whole vegetable and animal oncological diseases in order to preserve our beautiful planet.

Key words: *comparative oncology, One Health, human oncology, veterinary oncology*