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AN APPROACH TO SOCIAL PROBLEMS OF MEDICAL SCIENCES AND TECHNOLOGIES: NOTES FOR ANALYSIS

UN ACERCAMIENTO A PROBLEMAS SOCIALES DE LAS CIENCIAS MÉDICAS Y LAS TECNOLOGÍAS: APUNTES PARA SU ANÁLISIS

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ABSTRACT

The XXI century is deeply marked for the scientific and technological development, both define in great measure, the world power, element that he discovers every day new relationships of the Sciences, the Technologies and the Society and it marks its development. Nex it is intends a guide for the elaboration the referative paper conducive to the scientific grade or category educational superior. In this article, the authors supported in their experience, travel the one you can guide the analysis and the valuation of these contradictions in the context of the health on the way to how and from the lists of their professionals.

Key words: *referential paper, Science, medical Education*

RESUMEN

El siglo XXI está profundamente marcado por el desarrollo científico y tecnológico, ambos definen en gran medida, el poder mundial, elemento que descubre cada día nuevas relaciones de las Ciencias, las Tecnologías y la Sociedad y marca su desarrollo. A continuación se propone una guía para la elaboración de los trabajos referativos conducentes al grado científico o categoría docente superior. En el presente artículo los autores, apoyados en su experiencia, recorren el camino de cómo se puede guiar el análisis y la valoración de estas contradicciones en el contexto de la salud y desde los roles de sus profesionales.

Palabras clave: *trabajos referativos, Ciencia, Educación médica*

EXHIBITION OF THE COMMENT

Medicine profession has been gaining acknowledgement and a high appreciation from the society where it is practiced. It is precisely this status what makes medicine, more and more, socially demanding to its professionals.



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At the same time, they face the scientific and technological advance and get it on their daily work to favor human kind, based on a humanistic sense of the profession with remarkable ethics principles. These premises could guide assessments made from a Science Technology and society approach in the context of the medical education, which is recognized as a branch of sciences.

This paper presents experiences lived as a board member in topics related to Social Problems of Science and Technologies (PSCT, according to its acronym in Spanish) when professional apply to scientific degrees or high teaching rank. It is expected to contribute as a guide for those professionals from the health system, who are supposed to develop state of art papers, scientific essays or monographies.

Most of these scientific papers, to be presented as a minimum requirement of social problems of science and technology, recognize the need of improvement, design, or curricular redesign of plans and programs of study in the health area. They pursue the holistic and humanistic development of graduates, these contradictions are recognized between the ideal model of graduates' profile and social demands on medical services.

Other papers refer to the performance of health professionals with teaching duties, main leaders of the construction of medical education from the practice with the guiding principle of education at work, expressing the logic it must have with its formation, in this sense a principle emerge within medical education sciences which is related to permanent and continuous formation, from a paradigm of change, making possible to deepen on its role within the medical education conception.

According to the structural character of the state of art papers, scientific essays or monographic, it is oriented to have these components: cover, introduction, development, conclusions, bibliographic references. In particular, cover is supposed to have a title with no more than fifteen words, which reveals the essence and phenomenon of the research or the selected area for this paper, showing the relation between science, technology and society.

In the introduction should appear the social problem it deals with. This problem could come out of the scientific problem of the investigation and be related to the current health problems of the country, province, municipality and health area. Besides, there should be an objective different from the one of the investigation, but belongs to the referential paper, for example: to argue or assess foundlings of sciences, from the relation of science, technology and society.

In the development or discussions of results there is an internal logic going from general (international) to particular (national and context). In this area antecedents and justification of the theme are addressed, focusing on the relation between science, technology and society and its occurrence in the relation: education-health.

It is suggested to use in this space the founding which are approved in the research project, but using a greater number of references from other authors, projects or programs of health. This way an update on the topic is shown considering years of documents systematized. Then, a true state of art of the science is carried out in order to pay attention to the problems of society with the exploitation of technologies and its applications for the assistance, academic or research area.

In this part author takes a position in respect to the references made, showing a critical analysis about the theme. There shouldn't appear three or four quotes without a clear assumption of position of the author expressing if agrees, assumes or enriches the nature of the source quoted.

In the development there should be a space for the definitions which will appear correctly systematized, it means to include two or three definitions of a single term, in order to find regularities (similarities) to assume or construct a definition. These definitions should be related to the title and the objective stated in the introduction.

In the conclusions there should be, in a brief way, how the objective was achieved, making clear the arguments or assessments found as foundations of science technology and society. It is worthy to remind that a doctorate is an



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intellectual production process, so every exercise should create new referents of medical education science. Therefore, throughout the paper there are supposed to be shown the consultation and reference to sources in the following areas: teaching theory or medical education didactics, curriculum design theory in the different medical and nonmedical formation, evaluation theory covering from formative to quality impact of health administration, education theory linked to holistic formation, values formation, and humanism in health professional, among others.

Bibliography in the referential paper, scientific essay, or monographic is an essential part. Data becomes trustful if citations are well collated, according to the years they were published, the informatics networks where they are used. There should be an especial care devoted to the norm used to quote or cite documents, Vancouver o APA norm are suggested, which are standardized in scientific journal and will make easier to obtain a paper to be published later.

Scientific paper pursuing a scientific degree or high teaching rank are bound to identify relations, regularities or trend analysis, each of them deals with, at least, one contradiction belonging to Science, Technology and Society approach.

Medical Education Sciences assume, in their qualities, the model of the five "P", meaning it is participative, preventive, predictive, personalized and precise. This is a last epistle to its consolidation in practice as a science under construction.

CONCLUSIONS

The epistemological reflections made around Medical Education Sciences begin with the definition of Medical Education, addressed papers to the relations, trends and regularities that emerged from the enriched practice as contradictions which reveal the construction of theories and branches of sciences, as an ideal reflex of essential relations of its reality and therefore they are exposed to the development.

Scientific dissertations and debates around contradictions emerging from practice are needed to create referential papers to apply for scientific degree or high teaching rank.

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