



Proposal for improvement: "Update topics on Periodontal Emergencies".

Propuesta de superación: "Temas de actualización sobre las emergencias Periodontales".

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ABSTRACT

In recent years, the Ethiopian Ministry of Higher Education has analyzed the prospects for university development in the modern knowledge society. Its main objective is focused on determining the conditions for the transformation of universities into knowledge-generating structures. In the last decade in Ethiopia, much work has been done in the area of education and health promotion, when it specifically deals with the oral health problems of our people. A periodontal emergency arises when an acute condition involving the periodontium causes pain, forcing the patient to seek urgent care. There are gaps between the training of the dentistry professional and the results expected of him in solving problems; on the other hand, the speed in the production of knowledge in recent years makes the obsolescence of techniques and procedures increasingly rapid so it is necessary that the university professor must constantly update his knowledge. An improvement proposal was made linked to the Periodontics subject that will contribute to training in the educational teaching process of dentistry interns on issues of Periodontal Emergency Update, with the knowledge and skills necessary to provide adequate care to the affected population. The pedagogical strategy proposed in this program allows achieving a comprehensive training action, which includes in a balanced way, the intellectual aspects and the values that promote the harmonious development of the dentistry students, without forgetting the practice and the social context in which it is found.

Keywords: Program proposal, learning need, teaching-learning course, periodontal emergencies

RESUMEN

En los últimos años, el Ministerio de Educación Superior de Etiopía ha analizado las perspectivas de desarrollo universitario en la sociedad del conocimiento moderna. Su principal objetivo se centra en determinar las condiciones para la transformación de las universidades en estructuras generadoras de conocimiento. En la última década en Etiopía, se ha trabajado mucho en el área de educación y promoción de la salud, cuando se trata específicamente de los problemas de salud bucal de nuestro pueblo. Una emergencia periodontal surge cuando una afección aguda que afecta al periodonto causa dolor, lo que obliga al paciente a buscar atención urgente. Existen brechas entre la formación del profesional de la odontología y los resultados que se esperan de él en la resolución de problemas; por otro lado, la rapidez en la producción de conocimiento en los últimos años hace que la obsolescencia de técnicas y procedimientos sea cada vez más rápida por lo que es necesario que el profesor universitario deba actualizar constantemente sus conocimientos. Se realizó una propuesta de mejora vinculada a la asignatura Periodoncia que contribuirá a la formación en el proceso docente educativo de los internos de odontología en temas de Actualización de Emergencias Periodontales, con los conocimientos y habilidades necesarias para brindar una atención adecuada a la población afectada. La estrategia pedagógica propuesta en este programa permite lograr una acción formativa integral, que incluye de manera equilibrada, los aspectos intelectuales y los valores que promueven el desarrollo armónico del estudiante de odontología, sin olvidar la práctica y el contexto social en el que se encuentra.

Palabras clave: Propuesta de programa, necesidad de aprendizaje, curso de enseñanza aprendizaje, urgencias periodontales.

INTRODUCTION

In recent years, the Ethiopian Ministry of Higher Education has analyzed the prospects for university development in the modern knowledge society. Its main objective is focused on determining the conditions for the transformation of universities into knowledge-generating structures.

In this way, it provides the foundation for the need to form university strategies in the market environment as a means to improve their competitiveness.

Factors such as globalization, internationalization, and demographic change impact on the implementation of the challenging task of establishing world-class universities where principles of equal opportunities are established in the educational field.¹

In the last decade in Ethiopia, much work has been done in the area of education and health promotion, when it specifically deals with the oral health problems of our people.²

Periodontal diseases are prevalent both in developed and developing countries and affect about 20-50% of global population. High prevalence of periodontal disease in adolescents, adults, and older individuals makes it a public health concern.³

A periodontal emergency arises when an acute condition involving the periodontium causes pain, forcing the patient to seek urgent care.

The general dentist is usually the first port of call, and so should be confident in accurately assessing and managing the emergency. Timely management is key in preventing further damage to the periodontium as well as improving the patient's physical and psychological well-being.³

Reason why it motivates us to the necessary and timely update of the subject.

Scientific problem:

How to contribute to the training in the educational teaching process of dentistry interns on issues of Periodontal Emergency Update?

Scientific question:

How to develop improvement proposal linked to the Periodontology subject that contributes to training in the educational teaching process of dentistry interns on issues of Periodontal Emergencies Update?

Scientific novelty:

Development of improvement proposal linked to the Periodontology subject that contributes to training in the educational teaching process of dentistry interns on issues of Periodontal Emergencies Update during the care of the affected population.

Objective:

To develop improvement proposal linked to the Periodontology subject that contributes to training in the educational teaching process of dentistry interns on issues of Periodontal Emergencies Update

METHOD

The improvement proposal will be developed by professors from the Department of Periodontology, Dentistry Department. The essential contents corresponding to the topics on care for the population affected by periodontium problems will be discussed, on the topic of Periodontal Emergencies update, complementing the solution of oral health problems, with an updated biosocial approach, in which the criteria of health promotion and disease prevention would prevail.

Theoretical methods:

- Analysis-synthesis: in all phases of the research process, both in the theoretical foundation and in the contextual diagnosis, the follow-up of the development of the discipline's program proposal and the interpretation of the results achieved.

- Induction-deduction: in the study of the relationship between the processes that move from the general to the particular and vice versa, both in the theoretical study and in the monitoring of the program proposal, which allows arriving at necessary deductions.
- Historical-logical: in the bibliographic search and epistemological analysis of the antecedents of the problem and in the establishment of trends related to the field of action of the research.
- Empirical: interviews with teachers of the guiding subjects and consultations with experts.

ANALYSIS AND DISCUSSION

It seems that at the dawn of the 21st century, more than ever, contemporary world history is dramatically affected by population pressure, scientific and technological progress.⁵

The society's evolution is substantially determined by the quality of education. A special role in this respect is played by universities: their mission is to educate the decision-makers in all social spheres.¹

Aware of the critical role that education plays in accelerating the overall socio-economic progress of the country, the government of the Federal Democratic Republic of Ethiopia has placed a high priority on education in its capacity-building and economic development strategy.

Since the issuance of the Education and Training Policy, efforts have been made to improve the quality and accessibility of higher education, strengthening and expanding undergraduate and graduate programs.⁵

The objectives of university training must be directed towards comprehensive training. The University has a fundamental role in the structure of society since it is the source of the next political, social and economic leaders; that are destined to rule the destiny of the country for decades to come.

University training in addition to preparing professionals also teaches the way to produce science, culture and research. The university has a necessary function of social leadership and change that is essential for any nation. Therefore, it is necessary to innovate, choose new ways of teaching and learning, after a process of reflection and planning.⁶

From the professional point of view, the graduate has to face a set of problems in the services and solve them according to their convictions, capacities and qualities of character that respond to the general educational objectives. The solution of these problems is achieved by achieving the general instructional objectives system in students.⁷

The system of general educational and instructive objectives makes up the so-called professional model, which is manifested through professional competence. Competition, in terms of its definition, some authors do it in terms of ability⁸ where they include both cognitive elements such as knowledge and skills, and other more dynamic elements such as attitudes.⁹

Jimma University's mission (and with this we include the dentistry department) is to train national and international professionals of high caliber, who carry out quality research and problem solving, serving and involving local, national and global communities through their appreciated and innovative Education Based on the Community (CBE).²

Even though it is largely preventable, periodontal disease remains a major public health issue in all countries around the world. Periodontal disease is defined in this document as chronic inflammatory diseases of bacterial aetiology that affect the tooth-supporting soft and hard tissues. Among the different conditions included within the term of periodontal diseases, plaque-induced gingivitis and periodontitis are of special relevance to periodontal healthcare and general health.¹⁰ Periodontal disease shares many risk factors with other noncommunicable diseases (NCDs) and can adequately be addressed through a common risk factor approach (CRFA). Periodontal disease is both preventable and treatable through adequate prevention and treatment strategies.

Although oral health is recognized as an integral component of the right to health, it is still largely absent from governmental and intergovernmental health agendas. In particular, public awareness of periodontal health remains low¹¹, and periodontal disease is still too often considered as a purely 'cosmetic' problem rather than a medical condition. However, in contemporary societies which praise emotional and social well-being, good oral and periodontal health deserve to be given high priority.¹²

Periodontal emergencies are called periodontal conditions that produce both discomfort and possible complications and require the immediate attention of the professional¹³ which are accompanied by severe symptoms and therefore can have a direct influence on the operational capacity of the personnel.¹⁴

Among the main emergencies periodontal we found gingival abscess, periodontal abscess, peri-coronitis/peri-coronal abscess, perio-endo lesion/abscess, necrotising gingivitis and periodontitis, acute herpetic gingivostomatitis, acute physical/chemical/thermal injury and subgingival root fracture,⁴ among other ...

There are gaps between the training of the dentistry professional and the results expected of him in solving problems; on the other hand, the speed in the production of knowledge in recent years makes the obsolescence of techniques and procedures increasingly rapid¹⁵ so it is necessary that the university professor must constantly update his knowledge.

Current trends are focused on transmitting knowledge and skills, developing the ability to use and apply them in clinical practice¹⁵

Therefore, we propose the development of an improvement proposal linked to the subject of Periodontology that contributes to the training in the educational teaching process of dental interns on issues of Periodontal Emergencies Update, which contributes to the updating, organization and development of the dynamics of the educational teaching process in the discipline, through the application of methods, techniques and tools for the diagnosis and solution

of problems with their consequent derivation, based on the understanding and integration of knowledge.

he contents of the program will be developed taking into account the topics according to analytical study and basic skills system to be acquired such as:

- Apply actions to promote, promote and prevent oral health
- Apply the Scientific Method in the primary care of patients suffering from periodontal emergencies, applying ethical and bioethical elements.
- Identify and interpret the needs affected and the way to satisfy them.
- Execute the treatment protocol depending on the solution of the problems, taking into account the level of care to be provided and the referral to a second level

Thematic plan:

| No. | Topic | Lecture | Seminary | Clinical Practice | Assignment | Assessment | Total |
|-----|---|---------|----------|-------------------|------------|------------|-------|
| 1 | Topic 1. Characteristics of acute inflammation. | 1 | 2 | | | | 3 |
| | Topic 2. Emergency concepts. Role of the doctor of dental medicine. | | | | | | |
| | Topic 3. Periodontal emergencies. Clinical, histopathological, microbiological characteristics. | | | | | | |
| 2 | Topic 4. Diagnosis, prognosis and treatment of: - Acute necrotizing ulcer gingivitis (GUNA). - Acute herpetic | 2 | 4 | 8 | 12 | | 26 |

| | | | | | | | |
|---|--|---|----|----|----|---|----|
| | gingivostomatitis (AEG) - Aphthous stomatitis - Gingival abscess - Periodontal abscess | | | | | | |
| 3 | Topic 5. Other emergencies such as: - Profuse bleeding - Post-surgical complications <ul style="list-style-type: none"> • Pain. • Edema. • Infection. • Profuse bleeding or gingival bleeding. • Allergic reactions. • Displaced or fallen surgical cement. - Dentin hyperesthesia | 2 | 4 | 8 | 12 | | 26 |
| 4 | Final exam (theoretical-practical) | | | | | 4 | 4 |
| | Total | 5 | 10 | 16 | 24 | 4 | 59 |

CONCLUSIONS

We developed our own course program to teach interns in periodontal emergency, based on the interest and need for learning, on the development of knowledge and skills necessary to provide adequate care for the population problems, as a new treatment for the care of these patients.

The pedagogical strategy proposed in this program allows to achieve a training action comprehensive, which includes in a balanced way, the intellectual aspects and the values that enhance the harmonious development of the resident, without forgetting the practice and the social context in which they develop.

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