The Integrated Clinical Curricular Unit in the Dental Medicine Graduation: Reflections on Its Importance for the Students

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Abstract: Integrated Clinical (IC) curricular unit of the Dental Medicine graduation, should be considered as a fundamental axis in the Dental Medicine Curricula at the colleges, and never, as a complementary or terminal curricular unit. Characterized by a pedagogical conception of integrated teaching of medical and dental sciences curriculum, the IC unit should allow the students to access the opportunity to interrelate the theoretical and practical knowledge learned during the course. Its main aim should be the graduation of general dentists, approaching the students to the daily routine of dental practitioner, enabling them to provide to the patient an ethical, comprehensive, and efficiently integrated treatment plan.

Key words: Student; Patient; Graduation; Integrated Clinical; Curricula

1. THE INTEGRATED CLINICAL (IC) CURRICULAR UNIT

The Integrated Clinical (IC) curricular unit of the dental medicine graduation, should always be characterized by rewarding in its pedagogical conception the integrated teaching of medical and dental sciences curriculum, allowing the students the opportunity to interrelate the theoretical and practical knowledge learned during the course, thus avoiding the emergence of a premature specialization in the future dentists.

Its main aim should be the graduation of general dentists, approaching the students to the daily routine of dental practitioner, enabling them to provide to the patient an ethical, comprehensive, and efficiently integrated treatment plan.

A high quality treatment plan adjusted to the patient directly depends from the medical and dental student skills acquired during the course. The ability to make a good clinical history, to establish diagnoses, and to planning and execute multidisciplinary dental procedures in an integrated approach, always respecting the needs and the motivation of the patient, is associated with a more favorable prognosis with the potential recovery of the stomatognatic apparatus functionality. The IC should also promote in the student the ability to develop it interpersonally communicate skills with the patient and the colleagues.

The board of professors in the IC curricular unit should be considered as the pillar of the unit. It should be the more heterogeneous as possible, constituted by teachers from the different dental specialties, and with good critical and pedagogue’s capacities, allowing to the student to develop high levels of quantity and quality work in minimum period of time. They should be seen by the student as an important technical support that helps to make a judicious judgment of the developed treatment plan and the type of dental procedures carried out. As a result, the student will assimilate in a more conscientious and appropriate way it clinical experience with patients, overcoming the difficulties when they are exposed to more serious and differentiated pathologies and clinical conditions, such as, periodontal and endodontic complex lesions, differentiated surgeries, or even, orthodontic corrections, which demands the presence of dental specialists.

Efficiency and effectiveness of the IC curricular unit teaching system can and should be evaluated by the productivity and quality of the work, that each student develop in the patients, which is directly associated with the level of theoretical and practical knowledge acquired throughout the course.
Parameters such as, the level of medical record achievement by the students; the levels of the patient satisfaction, attendance, return and lack of consultations and treatments; the identification of the interrupted treatments, and the phase in which those interruptions occurred. These are examples, of some easy-to-record items that may help to understand the success of the IC curricular unit system in teaching. By considering these kind of items, it is possible to approach the IC curricular unit programs, in order to achieve what is intended for the dental student training at the end of the course.

Of great importance in the success of the IC curricular unit is the type of patient to whom the student has access, since the patient is the key to successful treatment. The ideal patient for IC curricular unit is the one who presents different needs regarding it oral health. It should require several dental procedures associated with at least a minimum of three different specialties’, and with different levels of complexity. However, those clinical conditions must be able to be solved by the students in a general clinical context, always under the teacher supervision. Patients who are not motivated and who discontinue their treatment plan are not considered as good patients to be accepted and integrated into the patient list of the IC curricular unit. The reason for this is that they do not allow the student to apply the scientific method for whom it has been trained, neither to carry out collective interventions, or even, to decide on the rationalization / clinical technique basis to be applied; thus interfering in the dental-biological training of the future dentist. The patient should stimulate in the student the capacity to establish correlations between the various presented and diagnosed oral pathologies, creating a notion of a organized unity in a successive way which presents a increasing level of complexity, based on the student theoretical and practical knowledge learned throughout the course. Prosthetic rehabilitation, restorative dentistry, peridonthology, and preventive and community dental medicine, are the main areas of action for the IC curricular unit.

2. CONCLUSION

Integrated Clinical curricular unit should be considered as a fundamental axis in the Dental Medicine Curricula at the colleges, and never, as a complementary or terminal curricular unit. It should be recognize as a starting point of the work from which is possible to develop different techniques and procedures related to each of the pathologies diagnosed, associated and considered at the patient's treatment plan, offering to the student the possibility of performing a fundamental analysis of his educational process which is revealed by the performance provided to the patient, through the multiplicity of general and specialties procedures practice, which results from the need to integrate all the knowledge acquired during the graduation, allowing to follow the patient from the initial triage process, until the final total oral rehabilitation.

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