



**HOBBY WITH BIOCHEMISTRY: USE OF ACTIVE LEARNING METHODOLOGY IN BIOCHEMISTRY AT THE
MEDICAL SCHOOL**

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Introduction and objectives: The learning of Biochemistry is generally considered difficult by the graduates, because studies the molecular level the metabolism of living and it demands a great capacity for abstraction by students. Thus, researchers have tried alternative methods to provide an alternative study method.

Materials and methods: 178 students of the School of Medicine, PUC-PR, that course the disciplines of Medical Biochemistry I and II, were divided into 50 groups, each with 3-4 students, and were have to draw up a hobby activity with a specific theme of the Biochemistry. The selected topics were, amino acids and proteins, enzymes, cellular respiration, glycogen metabolism, gluconeogenesis, lipid metabolism, metabolic integration, dyslipidemia and atherogenesis, pathophysiology of diabetes mellitus and metabolic syndrome, mechanisms of diabetes mellitus complications. The hobby activities chosen were direct, duplex, self-defined, cryptogram, bugs game. Both issues such as the type of hobby was drawn between groups. The groups had to: elaborate hobby; presents it to class orally, applying the questions prepared; printing and expose the hobby at the wall in the University; answer an evaluation regarding the preparation of work; and all groups should get together and organize one titled magazine "Hobby with Biochemistry" and deliver it printed. **Results and conclusions:** According the groups, the greatest difficulty was the adequacy of the questions posed in the required format, once they had only one issue and restricted space for the responses. Furthermore, the formatting was also identified as a point very difficult in activity elaboration. On the topic of learning through the development of work, and/or a new skill groups assigned grades ranging between 7.0 and 10.0 and about 90% of the groups attributed note 10 on satisfaction of seeing the work done and its ability to produce it. According to the results, the activity proved to be an efficient tool to develop different skills desired profile of student teaching the course project, and a different learning opportunity for the student.

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Key Words: biochemistry learning; active methodology; hobby magazine.

