Collective Construction of Knowledge in Clinical Biochemistry

Barreto, S.B.¹, Maia, W.B.^{1,3}, Martins, J.M.¹, Monteiro, J.M.¹, Porto, A.L.F.²

¹UFPE; ²UFRPE; ³Faculdade Maurício de Nassau

The collective construction of knowledge occurs by the convergence of ideas and semantic. This paper was made for a graduation discipline, in 2009-2, with 240 students who were separated into 4 groups: morning period (M1,M2) and night period (N1,N2). This study aims the collective construction of a abstract-manual of clinical biochemistry tests, due the difficulty in comprehension of certain concepts by the students; it intends to help them in the process of knowledge acquirement. The constructivist approach was adopted and the matters of the discipline were available in a "Student Group e-mail account", a functional communication tool. The instructions were reachable on the web. M1,M2 and N1 made one part of the study at the first period. N2 did not conclude the study at the same time period of the other groups; therefore they received a new responsibility: they were supposed to conclude and correct the manual and its application which included 90 different kinds of labor exams. A textbook has been defined containing illustrative pictures of blood collection and biosecurity. Three banners were exposed inside the hall of the institution. Collective work is important for the effective arrangement in health area. In the process of teaching/learning, the teacher must proceed on practices and methodologies aiming the development of the student competences and skills which represent its professional identity.

Key-words: Collective construction of knowledge; Process of teaching/learning.

Biochemistry education