نامه به سردبیر

Dynamic Assessment Fulfillment via E-Logbook for the Residents

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Electronic logbook is one of the most crucial enhancements regarding dynamic assessment to improve the quality and efficiency of education. Considering the efficacies of process-oriented comparing the product-oriented pedagogy, one of the educational instruments to monitor the performance and provide constructive feedback for the residents undoubtedly is E-logbook.

Until two years ago, the learning process and performance monitoring of residents was conducted via manual logbook in Yazd University General Hospitals; nevertheless, after then since October 2016, through E-logbook, the mentioned process was remarkably facilitated. Comparing the manual version, E-logbook is more accessible, retrievable, and interactional regarding assessment process; in this regard, E-logbook has been utilizing through Tabib Comprehensive System (Tabib Co.) for the residents.

The first utilization was in October 2016 by Internal Medicine Department in Shahid Sadoughi Hospital with the average of 40 initial registrations during a week. And now, E-logbook is used in four teaching hospitals in Yazd, namely Shahid Sadoughi, Rahnemun, Afshar, and Comprehensive Psychiatric Center Hospitals in 17 different departments and the approximate registrations are more than 1000 per week. The total number of registration records up to now is 156928.

Regarding the limitations, two of the most common challenges were; lack of awareness about E-logbook implementation and acceptance from faculties and residents. To address the first challenge, some awareness raising panels were conducted in different sections of the university and through brainstorming and reflective negotiations on

the benefits of E-logbook, this challenge was overcome. Considering the second challenge, the easy accessibility, user-friendly design, softwares problems settlement, online observation of the process by faculties were influential to settle the conflicts. Viseskul et al. (2018) named the benefits of E-logbook as "usefulness", "convenience", "speed", and "ease of use" in which the mentioned factors were highlighted in the present report as well. In the other national study, Javadi et al. (2016) focused on the predictive validity of E-logbook for the success of residents in promotion exam and among the all possibilities of E-logbook regarding theoretical class, morning report, practical skills, infirmary, clinical rounds, journal club, and educational conference, theoretical class revealed a statistically significant relationship with residents' success in promotion exam. In sum, E-logbook is a genuine techno-educational instrument for better reflective and dynamic assessment and it is effective not only for the residents, but for the academic staffs. Since E-logbook in Shahid Sadoughi University of Medical Sciences is in progress, its efficacy and efficiency compared to the paper-and-pencil alternative is expected to be the issue of a comprehensive study in the future.

References:

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