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Exploring Diverse Settings

Methodological approach for the implementation of a simulator in augmented reality in a radiation therapy department

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Abstract

Radiation therapy (RT) is one of the cornerstones for the treatment of cancer. In most countries RT machines are handled by professionals benefitting from an *ad hoc* training in theoretical knowledge as well as technical and non-technical skills. In Belgium, RT departments are hiring in nurses for this activity. In countries where there is a specified core curriculum for basic training of radiation technologist, this basic training falls short once in practice and there is an obvious requirement for a continuous updating of skills in order to keep up with the accelerating evolution of technology. Therefore, the decision has been taken to implement a simulator in augmented reality in the RT department in Liège, to face the double challenge i.e. basic professional training as well as continuous education in technical and non-technical skills and Crew Resource Management. We describe a methodological

approach to implement this simulator in augmented reality.

Q Keywords: Professional training Technical and non-technical skills Simulator in augmented reality
Crew resource management (CRM)

Disclaimer statements

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