WEB-BASED TELEPATHOLOGY PLATFORM FOR ASSISTING DIAGNOSIS IN HISTOPATHOLOGY

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Keywords: web-based telepathology platform, histopathology.

Abstract. The aim of this study was to design, develop and evaluate a web-based telepathology system that will assist physicians towards remote and timely diagnosis on dangerous types of brain cancer, such as gliomas. The proposed platform was developed in C# programming language by means of the ASP.NET web application framework. A deployed version of the platform was evaluated by expert physicians and healthcare professionals and appraised in terms of security, usability, stability and reliability, responsiveness and easy access. Results have shown a great degree of satisfaction by expert physicians enabling remote and accurate histological assessments in clinical routine practice.

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