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A Smart IoT Platform for Oncology Patient Diagnosis based on AI: Towards the Human Digital Twin

Dimitris Mourtzis,*, John Angelopoulos, Nikos Panopoulos, Dimitrios Kardamakis

*Laboratory for Manufacturing Systems and Automation (LMS), Department of Mechanical Engineering and Aeronautics, University of Patras, Rio Patras, 26504, Greece

*Department of Radiation Oncology, University of Patras Medical School, University Campus, Rio Patras, 26504, Greece

* Corresponding author. Tel.: +30-2610-910160; fax: +30+2610-997314, E-mail address: mourtzis@lms.mech.upatras.gr

Abstract

Human cancer is a multifaceted decease. Throughout the years several techniques and technologies have been proposed for the diagnosis and treatment of such deceases. However, the technological advances in the field of Information and Communication Technologies (ICT), Augmented Reality (AR), and Artificial Intelligence (AI), can facilitate during the diagnosis and prediction processes. This paper presents a conceptual framework for the visualization of Magnetic resonance imaging (MRI) scans, the data acquisition and analysis from patients based on AI algorithms and AR. Furthermore, the preliminary development of the framework is presented, and future developments are discussed based on the implications faced.

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