

IAF/IAA SPACE LIFE SCIENCES SYMPOSIUM (A1)
Medical Care for Humans in Space (3)

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MEDCOACH - MEDICAL AUTONOMY FOR DEEP SPACE MISSIONS

Abstract

Increased medical autonomy is an important factor as humans embark on longer duration missions beyond low earth orbit to the Moon and Mars. Combining prerecorded medical algorithms and procedures with state of the art Augmented Reality and Artificial Intelligence, MedCoach will facilitate in-advance training for skills acquisition and maintenance, just-in-time training and real-time guidance as a cognitive aid, all delivered to the astronaut through head-mounted smart glasses technology. This presentation will discuss the MedCoach concept developed by ADGA Group Consultants Ltd in partnership with Leap Biosystems under the Canadian Space Agency Technology Concept Study - Medical Training and Simulation for Deep Space Missions.