

SPACE LIFE SCIENCES SYMPOSIUM (A1)
Applications of Space Medicine to Earth-Related Health Issues (3)

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TELE-SKIN DIAGNOSIS USING HIGH-DEFINITION VIDEO CAMERA ON-BOARD THE
INTERNATIONAL SPACE STATION (ISS) AND ITS APPLICATION

Abstract

Japan Aerospace Exploration Agency (JAXA) has a plan to utilize a High-Definition Video Camera for tele-medicine on ISS crew. The verification of this attempt is scheduled to be performed during the first long-duration flight of the Japanese astronaut in the spring of 2009. Prior to this verification, tele-skin diagnosis was performed as a part of tele-medicine by using High-Definition Video Camera during the first Korean Astronaut who was on board the ISS in May of 2008. The captured image showed high-resolution and precise color tones so that the image was applicable to the skin diagnosis. The procedure of image capturing was performed by single crew operation. The crew member claimed no difficulties with operations. This skin-diagnosis experiment was conducted as a joint Research of JAXA and Korean Aerospace Research Institute. The verification results on the Korean astronaut will be presented along with the results on the Japanese astronaut.