

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

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PIONEERING ANALOG PLANETARY SURFACE DUAL HABITATION “STATION-TO-STATION”
MARS MEDICS ANALOG ASTRONAUT TRAINING MISSIONS AND MEDICAL EVAS SCENARIOS
FOR MEDICAL TRIAGE, EVACUATION, AND SEARCH AND RESCUE**Abstract**

Our organization have successfully pioneered the first testing in a analog planetary surface scenario DUAL HABITATION “Station-to-Station” Mars Medics Analog Astronaut Training Missions and Medical EVAs Scenarios for Medical Triage, Evacuation, and Search and Rescue. We will discuss the objectives, methodology, results and outcomes and lessons learned from the ”station-to-station” scenarios with two different models, ie, local setup and international setup. The differences and challenges encountered with the two different models will be contrasted and discuss with respective to the advantages and disadvantages including limitations and benefits from the two models. The station-to-station scenarios were conducted in collaboration with Mars Society’s Mars Desert Research Station (MDRS) in Utah and LUNARES Research Station in Poland. A total of 12-16 participants were selected per mission and were divided into two crew teams with 6-8 crew member assigned to one basecamp either collaborating and working together locally or remotely via telecommunication platforms, such as zoom or skype. The missions integrated a Remote Mission Support Team that managed the administration and coordination for the missions and daily interactions with each crew team during the mission.