Humans to Mars: Trajectory Panel
Human System Considerations

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THE HUMAN SYSTEM RISKS

- Bone Fracture
- Reduced Muscle Size
- Cardiac Rhythm Problems
- Renal Stone Formation
- Toxic Exposure
- Celestial Dust Exposure
- Hypoxia
- Carbon Dioxide Exposure
- Inadequate Oxygenation
- Electrical Shock
- Sleep Loss
- Heave Loss
- Injury from Dynamic Loads

- Inflight Medical
- Inadequate Food and Nutrition
- Toxic Medications
- Post-Microorganism
- Altered Neurologic State
- Orthostatic Intolerance
- Associated Neuro-ocular Syndrome
- Cardiovascular Adaptations
- Crew Egress

- Non-Ionizing Radiation
- Carcinogenesis
- Reduced Aerobic Capacity
- Urinary Retention
- Radiation from Dynamic Loads

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