

The elucidation of the re-adaptation on the attitude control after return from long term space flight

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Many astronauts stay in the International Space Station (ISS) for a long period of time. Therefore, the evaluation of astronaut health condition is very important. During long-term flights, the antigravity skeletal muscle, such as soleus, is known to become atrophy and many astronauts have difficulty walking just after the return to the earth. There are many researches related to the muscle atrophy of astronauts. However, the final mechanism of the muscle weakness during space flight is still unclear. Therefore, the purpose of this experiment is to elucidate the re-adaptation on the attitude control after return from long term space flight.