

## **Japan Society of Aerospace and Environmental Medicine**

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Our society was established in 1955, and now constituent members are around 650 doctors and medical students. Our society contributes to the Aerospace Medicine in Japan.

We have an annual scientific meeting once a year in Autumn, and the last meeting was held in November 2024 in Tokyo. This meeting was 70<sup>th</sup> anniversary meeting.

We have an academic journal, it's been issued twice a year.

We have 5 working groups/.

- Clinical research working group
- Flight safety research working group
- Tohoku space and life research working group
- Space Base medicine sciences working group
- Young scientists working group

We have a volunteer lecturer dispatch activity. In case of the request of invite the specialist to have a lecture, we keep many specialists entry as a lecturer.

We have around 150 society certified doctors, and we have an annual training workshop for certification once a year.

From November 15<sup>th</sup> to November 17<sup>th</sup>, 2024, the 70th Annual Meeting of the Japan Society of Aerospace and Environmental Medicine was held at Jikei University School of Medicine, Tokyo. The theme was "To the sky of tomorrow, to the universe of the future."

As an indication of the high level of interest in space in recent years, many presentations on "space medicine" have been presented. In addition to topics such as the Artemis mission to the manned lunar exploration and the gateway concept with a view to reaching Mars, there was a lively discussion on topics such as first aid in space, health management for astronauts, and student-planned sessions for young participants. There was also a symposium on women's participation across both the aviation on earth and aerospace fields. The general presentations included presentations by students, these were amazing by the high level of research. Regarding the field of aviation on Earth, the Civil Aviation Bureau presented the problem of securing pilot personnel, and general topics such as the handling of drones, pilot fatigue, and returning to work. And grand chairman (Hideho Gomi) talked about "Aviation safety".

Naturally, the experiments in space or simulating space were very interesting because they were all new discoveries under different conditions compared to on the ground. And the significance of this is not only for those who fly into space, but also for "giving back to the earth," as Dr. Chiaki Mukai, a physician astronaut(cardiovascular surgeon) who participated in this year's event, has stated before. In other words, knowledge of organs such as muscles and bones in space will provide clues for understanding and treating pathophysiology and diseases on Earth. The pennant of our society that traveled on board the International Space Station was returned to the president of the society by Dr. Satoshi Furukawa, an another physician astronaut(gastroenterological surgeon), and I felt that the distance between space and the earth had been shortened.

Approximately 230 people, including many young people, participated in this event, and I am delighted that it was a great success.

We hope to keep a good relationship between Aerospace Medical Association and also any other many countries' associations.