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Faculty of Medicine

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Theme

- We have been working on the development of treatment and prevention systems for mental health problems in various companies. Also, we has researched mental health of astronaut.

Keyword Occupational health, Mental health in the workplace, Aerospace psychiatry

Highlight

Major Scientific Interests of the Group

We are interested in the prevention and management of mental health in workplace, and the mechanism how aerospace and confinement environmental stress affects stress reaction.

Other Faculty Members

Associate Professor Shinichiro Sasahara

Assistant Professor Yuichi Oi

Assistant Professor Daisuke Hori

Assistant Professor Shotaro Doki

Assistant Professor Tsukasa Takahashi

Projects for Regular Students in Doctoral or Master's Programs

- 1) The mechanism how employment system affect mental health in workplace
- 2) The survey of mental health in researchers and teachers
- 3) The effect of environmental adaptation on mental health
- 4) The impact of sleep problems on job performance
- 5) The collaborative study with JAXA

Applications and Prospects

- We are planning a prospective cohort study and intervention study to further elucidate the factors which affects mental health, sleep and job performance among workers and astronauts.

Literature, intellectual property, work

- Oi, Y., Hirai, Y., Doki, S., Ohtaki, Y., Hori, D., Andrea, C. S., ... & Matsuzaki, I. (2018). Trial of stress-related index measurement under confinement stress. *Transactions of the Japan society for aeronautical and space sciences, aerospace technology Japan*, 16(6), 476-480.
- Ohtaki, Y., Oi, Y., Doki, S., Kaneko, H., Usami, K., Sasahara, S., & Matsuzaki, I. (2017). Characteristics of Telephone Crisis Hotline Callers with Suicidal Ideation in Japan. *Suicide and Life - Threatening Behavior*, 47(1),54-66.
- Sakurai, T., Amemiya, A., Ishii, M., Matsuzaki, I., Chemelli, R. M., Tanaka, H., ... & Arch, J. R. (1998). Orexins and orexin receptors: a family of hypothalamic neuropeptides and G protein-coupled receptors that regulate feeding behavior. *Cell*, 92(4), 573-585.