



Animal Experimental Findings for Health Effects of Radioactive Microparticles and Related Topics

Guest Editor:

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Message from the Guest Editor

The effects of radiation on humans have been studied since the beginning of the research on people exposed to radiation in Hiroshima and Nagasaki, and have continued to the present. However, the effects of internal exposure to radioactive particles have not been considered as an issue until now. Recent studies, such as those of early entrants to the cities of Hiroshima and Nagasaki, we found the possibility of the new effects due to the radioactive dust. So, we began animal experiments to find the microparticle effects and found that we have been able to detect larger-than-expected exposure effects in animal studies using rats to examine the effects of microparticles including Mn-56. Therefore, we recognized the need for further systematic research on the most likely health effects of radioactive particles, and planned a special issue on related papers as a start.

Keywords

- Internal exposure
- radioactive microparticles
- Mn-56
- radiation effects
- Hiroshima and Nagasaki
- Sempalatinsk
- animal experiments





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