

## Japan Health Physics Society Symposium I

Issues related to internal exposure after the Fukushima accident –Insoluble cesium-bearing particles and short-lived radionuclides–  
Ad hoc Committee on Internal Exposure Evaluations

The University of Tokyo  
13:30–17:00, Monday, 19 March 2018

Organized by Japan Health Physics Society (JHPS)  
Co-organized by Japanese Society of Radiation Safety Management (JRSM)  
Sponsored by Japan Society for Atmospheric Environment (JSAE), Japan Association of Aerosol Science and Technology (JAAST)

### Objectives

An ad hoc Committee on Internal Exposure Evaluation has dealt with issues related to internal exposure after the Fukushima accident, especially regarding the issues on methods for internal dose estimation (methods for estimating internal doses from inhaled radionuclides). In particular, we have focused on how to estimate doses due to inhalation of insoluble cesium-bearing particles with high specific radioactivity (so-called Cs-ball).

The first session consisted of presentations on recent topics on insoluble cesium-bearing particles, as well as the current status of internal exposure assessment after the Fukushima accident. The former topics were presented by invited speakers (non-committee members). The second session included presentations on health effects and dosimetry of inhaled insoluble particles, as well as internal exposure due to short-lived radionuclides such as tellurium. The third session was planned as discussions on all topics presented in the first and second sessions.

We welcomed everybody who was interested in this symposium including citizens. As a result, more than 80 persons participated. Thank you.

### Registration

Advance registration is required for the preparation of presentation materials. The registration fees to be paid onsite are JPY 2,000 for official members of JHPS and/or JRSM, JPY 1,000 for student members, and JPY 4,000 for non-members. Please send your name, affiliation, and email address to the Secretary of Japan Health Physics Society at [exec.off@jhps.or.jp](mailto:exec.off@jhps.or.jp) by 16 March 2018.

### Venue

Room number 221, Faculty of Engineering Build. 2, Hongo Campus, The University of Tokyo

Access: <http://www.t.u-tokyo.ac.jp/foee/access.html>

### Program

13:30–13:40 Opening address

Hiroko Yoshida (Tohoku Univ, JHPS)

Session 1

Moderator: Michiaki Kai (Oita Univ of Nursing and Health Sciences)

13:40–14:00 Current status of internal exposure assessment after the Fukushima accident

Tetsuo Ishikawa (Fukushima Medical Univ)

14:00–14:25 Insoluble Cesium-bearing micro particles originated from the Fukushima accident –Their regional distribution of detection and dispersion simulation

Yuichi Moriguchi (Univ. of Tokyo)

14:25–14:50 Re-suspended aerosols during dusting in residential houses near the FDNPP and whole-body counter measurements of workers who dusted

Hiroko Yoshida (Tohoku Univ)

14:50–15:00 Break

### Session 2

Moderator: Tetsuo Ishikawa (Fukushima Medical Univ)

15:00–15:25 Estimation of internal dose for inhalation of insoluble particles

Kenraro Manabe (JAEA)

15:25–15:50 How should we consider health effects of internal exposure due to inhaled insoluble particles?

Michiaki Kai (Oita Univ of Nursing and Health Sciences)

15:50–16:15 Internal exposure due to short-lived radionuclides

Ichiro Yamaguchi (NIPH) & Alex Malins (JAEA)

16:15–16:25 Break

### Session 3

Moderator: Michiaki Kai (Oita Univ of Nursing and Health Sciences)

16:25–17:00 General Discussion