

## Japan Health Physics Society Symposium II

Study on standard eye lens monitoring, suitable dose management and radiation protection for nuclear and medical workers

The University of Tokyo  
9:30—12:00, Tuesday, 20 March 2018

Organized by Japan Health Physics Society (JHPS)

Co-organized by Japanese Society of Radiation Safety Management (JRSM)

Sponsored by Japanese Society for Oral and Maxillofacial Radiology (JSOMR), Japanese Society of Radiological Technology (JSRT), Japan Radiological Society (JRS), The Radiological Nursing Society of Japan (RNSJ)

### Objectives

To propose a standard dose monitoring, appropriate management and radiation protection methods of eye lens, it is important to consider the current status of occupational exposure to the lens of the eye for nuclear and medical workers. In this study, the eye lens dose to radiation workers was measured and experiments for eye lens dosimetry and protection with various phantoms were conducted. We aim to discuss an appropriate eye lens dose monitoring and management for Japanese radiation workers with JHPS members and others. This work was supported by Nuclear Regulation Authority.

### 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

9:30—9:35 Opening address

Hiroko Yoshida (Tohoku Univ, JHPS)

Moderator: Hideo Tatsuzaki (National Institutes for Quantum and Radiological Science and Technology)

9:35—9:40 Outline of Research

Sumi Yokoyama (Fujita Health Univ)

9:40—10:00 Evaluation of eye lens dose to nuclear power plant and non-destructive test workers

Sumi Yokoyama (Fujita Health Univ)

10:00—10:20 Recent status on eye lens monitoring results at nuclear research facilities and experimental eye lens dosimetry with various phantoms

Norio Tsujimura (JAEA)

10:20—10:40 Current status of eye lens exposure to radiation in the Japanese medical sector and developing an effective education program about radiation protection.

Kazuko Ohno (Kyoto College of Medical Science)

10:40—11:00 Research on actual condition of non-uniform exposure management and measurement and estimation of lens equivalent dose in non-fluoroscopic examination in medical institutions

Takayuki Igarashi (Asahi General Hospital)

11:00—11:20 Investigation of overseas trends on the dose limits of the lens of eyes

– focusing on efforts at nuclear power plants in Sweden –

(information provision)

Satoshi Iwai (Japan Nuclear Safety Institute)

11:20—11:55 General Discussion: How should the optimal lens monitoring, management and protection be conducted?

11:55—12:00 Closing remarks

Hiroko Yoshida (Tohoku Univ, JHPS)