

Session 5.6

Thyroid Survey Plans for TEPCO Workers

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Long-term health surveys are going to be conducted for emergency workers at Fukushima No.1 Nuclear Power Plant Accident by TEPCO and relevant companies, according to their exposed radiation doses. In addition, ultrasound exams to neck region are being conducted for approximately 2,000 workers (exposed group) who were exposed over 100 mSv of equivalent dose for thyroid gland (corresponding to 5 mSv of effective dose). Since it is expected that certain number of thyroid nodules (tumors) will be detected regardless of radiation exposure for adult examinees, we have planned to conduct the same exams for control group. Namely, approximately 2,000 workers who were exposed lower doses (less than 100 mSv of equivalent dose for thyroid gland) are recruited mainly from TEPCO, and ultrasound exams using the diagnostic criteria developed by Japanese Society of Ultrasonics in Medicine will be conducted both for exposed and control group. Radiation doses will be re-evaluated for exposed group. Proportion of detected thyroid nodules (tumors) will be compared between exposed and controlled group. By setting control group, it becomes possible to evaluate the association between detection of thyroid nodules (tumors) and radiation exposure.