

**W-IV-6 Mortality of A-bomb Survivors in RERF population**

\*Mariko MINE, \*Sumihisa HONDA,\*\*Yutaka OKUMURA, \*Hisayoshi KONDO,  
\*Ken-ichi YOKOTA, \*Masao TOMONAGA and \*\*\*Keiichirou ISHII ; \*Scientific Data Center for  
the Atomic Bomb Disaster, Nagasaki Univ., \*\*Dept. of Radiation Biophysics, Nagasaki Univ., Sch.  
Med. ; Nagasaki 852 and \*\*\*Central Research Institute of Electric Power Industry, Komae 201.

Life Span Study sample of A-bomb survivors which Radiation Effect Research Foundation has been surveyed for 1950-1985 was used for the analysis of mortality in this study. Data of LSS(dose estimated on DS86) were available by a floppy disk. Data format is sex, city, ages, dose levels, and diagnostic groupings of deaths. We analysed relative risk of A-bomb survivors with the LSS sample using Poisson regression.

The study resulted in that exposed to 10-49 cGy showed significantly lower mortality in non-cancerous diseases than that of control.