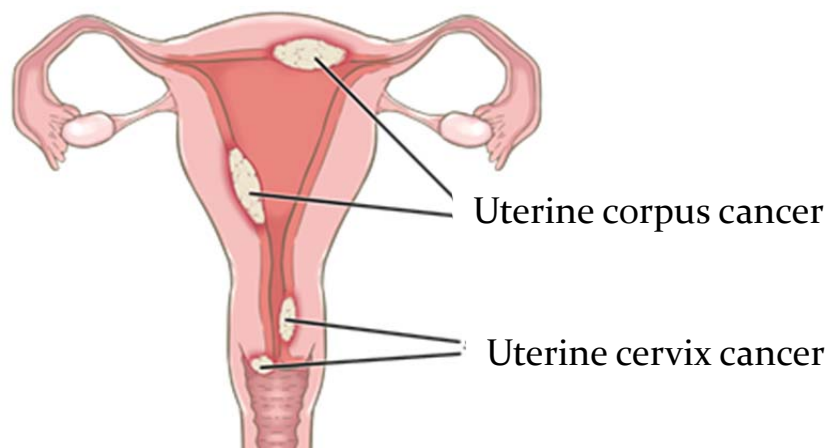


Radiation risks of uterine cancer in atomic bomb survivors: 1958-2009

Radiation exposure increases the incidences of stomach, lung, and breast cancers, as well as leukemia, in humans (in other words, increases the risks of cancer). The degree of cancer risk, however, does appear to depend on the particular organ in question.

This study examined whether the risk of uterine cancer (cancer of the uterus) also increases with radiation exposure, using data collected during 1958 to 2009 from 62,534 female atomic bomb survivors. There are two kinds of uterine cancer: one occurs at the opening of the uterus (uterine cervix), and the other at the body of the uterus (uterine corpus).

The study found that the risk of uterine corpus cancer (see image below) increased in exposures just prior to the onset of menstruation (the risk did not increase among young children or adults), but that the risk of uterine cervix cancer (see below) did not increase.



Source: Quick Co., Ltd., Free materials

RERF's objective with this brief outline is to succinctly explain our research for the lay public. Much of the technical content of the original paper has been omitted. For further details about the study, please refer to the full paper published by the journal.