1. Introduction
An accident in the Fukushima nuclear power plant occurred due to tsunami in northeastern Japan in 2011. Since then, the fear of radiation has increased in the public in Korea, Japan's neighbor. There has been an increasing number of radiation-related issues, such as the increased thyroid cancer and human effects by the infrared around nuclear power plants. To reduce the risk, it is important to raise public awareness of radiation. Inhalation of these radionuclides causes radiation exposure to human. As radon concentrations are relatively high in underground spaces such as subway tunnels, cause of radon exposure have been reported. In May 2016, it was reported that a company's bed mattresses emit a large amount of radon. A detection of radon gas from the bed mattresses indicates that any products that generate the "minor effect" are likely to emit a significant amount of thoron gas (a type of radon). Consequently, the government took action to collect and dispose of the mattresses that released radon gas. This incident led an increasing number of people to use radon detectors to measure radon levels in their homes, and it was found that many other similar products released radon as well.

Moreover, mass media often describe radon as being a "silent killer" or a "cause of lung cancer," or both. Such reports have caused fear and anxiety among the general public who lack knowledge about radon. As a matter of fact, radon exposure is inevitable because radon exists everywhere. Thus, we do not need to live in fear because radon is only radioactive.

2. Methods
Activities of KARP for Public Understanding of Radiation Issues in Korea
KARP has been working to promote public understanding of nuclear and radiation for more than a decade.

- Radiation Safety Issues in the Medical Sector (2014 Nov)
- Effects of Low Doses of Radiation on Human Body (2015 July)
- International Symposium on Radiation Safety Management in Food (2015 Oct)
- Practical Strategies for Radiation Safety Communication with Public (2016 Feb)
- Social Issues of Radiation and Scientific Thinking (2015 Apr)
- Effect of Indoor Exposure due to Radon
- Press Conference for Radon from Monazite in Bed Mattress (2018 Jan)

Radon Release from Bed Mattress (2019 July 08)
Reports from Major Newspaper in Korea
"a company's bed mattresses emit a large amount of radon (2018 Mar)

Radon Release from Latex Mattress imported (2019 July 08)
"the government that licensed Monazite is responsible!"

Preliminary Studies on radon in mattress exceed 4 times radiation limit of Radon

Radon gas and its progeny radionuclides seeping out of the underground in our living environment. Inhalation of the radon gas and its progeny radionuclides causes radiation exposure to human.

The scientific community, including the medical science community, has consistently argued that "negative ions are good for health." The radon radon, radon in daily life, is an inert gas and radon progeny has a short half-life and does not contaminate goods or foods. There is no problem with eating food produced in the radon area.

Radon is an inorganic gas and radon progeny is a radioactive gas. The presence of radon and radon progeny in the environment is inevitable because radon exists everywhere and radon progeny has a short half-life and does not contaminate goods or foods. There is no problem with eating food produced in the radon area.

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