Global Energy Policy Research | GEPR

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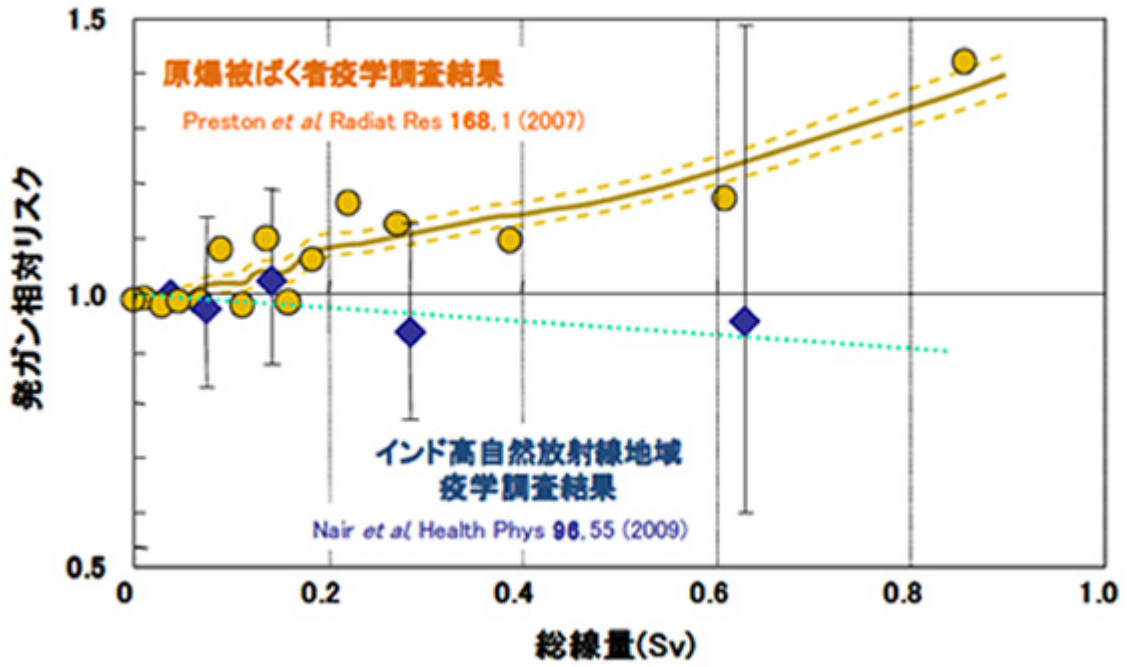
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?? ?? · Monday, February 9th, 2015

??
???????????1mSv??

?1??????????????????????????

(1)?mSv????????????



??????????????
???????????, 120, 903(2011)

??200mSv????????????????????????????
??ICRP????????????????????????100mSv?
???????????????0.5??
??????????????????????????20mSv/?????????5?????100mSv???????50mSv????????

??10????????????????????????????

???

???????????????????????????225??????2008???30.1????????0.66????????????100mSv????????0.5?????????0.66??????????????????

????????????90????10?????????4.5????????????4.5×10^{-5}??

??????20mSv/????????= 9×10^{-6}

???????1 mSv/????????=4.5×10^{-7}

表1　2008年の我が国の死者数と死亡内訳

死因	死亡率		生涯死亡率
	10万人当り死者数	10万人当り割合	
悪性新生物質(がん)	270.1人	2.7×10^{-3}	30.12%
交通事故	5.9人	5.9×10^{-5}	0.66%
100mSv被ばくによるがん死亡増加	4.5人	4.5×10^{-5}	0.5%

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1??2008??????????????

?????????????????5.9×10^{-5}???

(2) ????????

??100mSv???100mSv??

???DNA???????????????????????????????????DNA??????????????????????????????????DNA??????????????????DNA???

??30????????????????

100mSv??DNA?????????????????????????????????????mSv?????????????????300??2-3mSv???????????????????0.6mSv/??CT???5-30mSv?????????????????

ICRP??20-100mSv???????????????????????????????

(3) ??????

????mSv/???????????????????????????????????2011?4?????????????????????????????????20mSv??1

mSv/??2011?10?????????????1mSv????????????
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??mSv????
??????????????????????????????????????

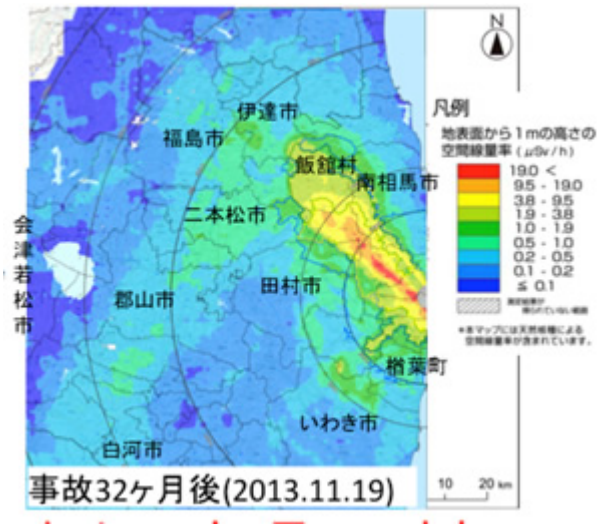
2013??????IAEA?????????????????????1mSv????????????????????????????

??????????????????1mSv??100mSv??10mSv????????????????????????????????????
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(4) ??????????????????????????

??m??
??????????????????

??1km???????
??????????????????

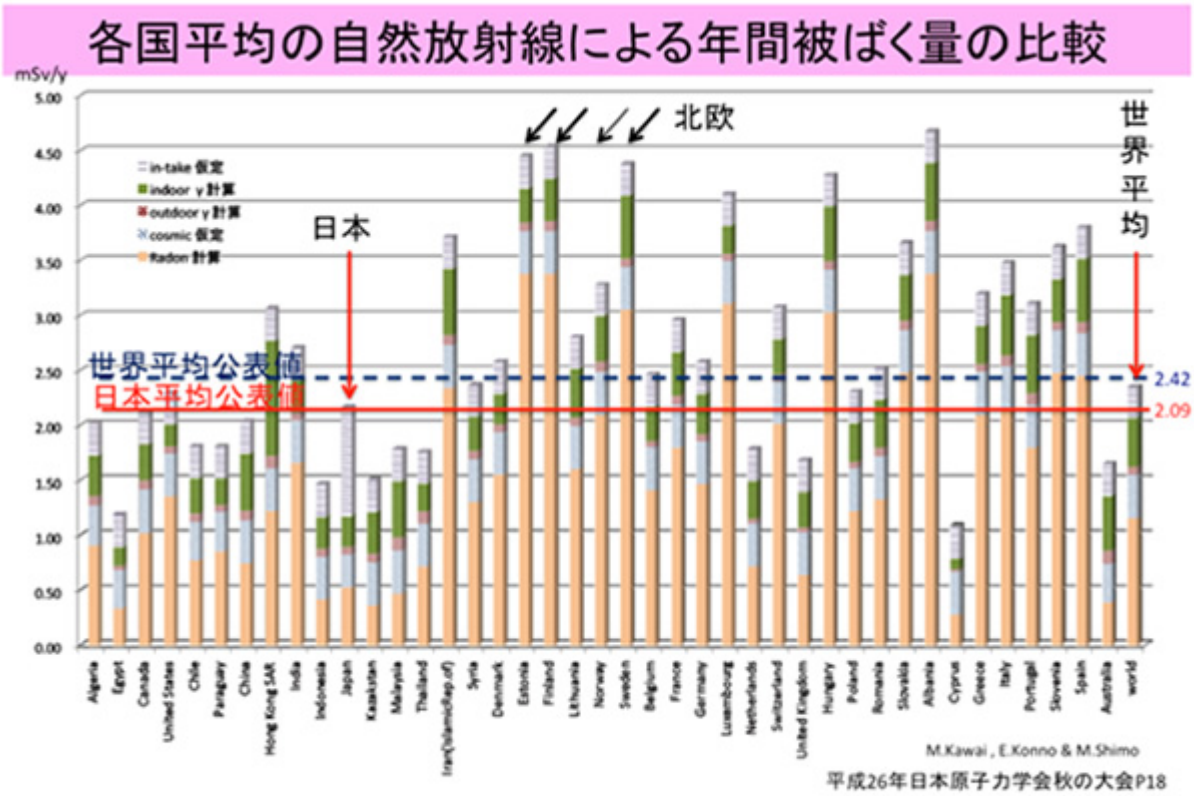


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????????

??????????????????1m?????????????2013?11?19??
??????????????????0.24?Sv/??????????????????????0.5?Sv/????????????????????????????????0.4???0.7?Sv/????????????????????????????mSv/????????????????????????????????1mSv/?????????2.5mSv/????

(5) ?????????????

??40??
?7000???UNSCEAR 2000??2.1mSv???????2.4mSv????????????????????
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国連科学委員会 UNSCEAR 2000レポートデータに基づく評価
日本で一般人の基準とされる1 mSvを加えた場合3.09mSvです。

11??

(6)???????

??0-2.5mSv????????????????????????????????????
??

????????????????????????????????????WBC?????????????????1mSv/????????????????????????
??

(7)???

??????1mSv??????????4.5×10^{-7}????????????5.9×10^{-5}??
??
??????????????????

??????????????????1mSv???????????????IAEA??
??????????????????

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?2015?2?9????

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