Global Energy Policy Research | GEPR

GEPR??
????http://agorajp.com/??
???

??????????????????? — MIT????????LSS?14????

GEPR??? · Monday, May 28th, 2012

GEPR?????????????????

MIT?????????????

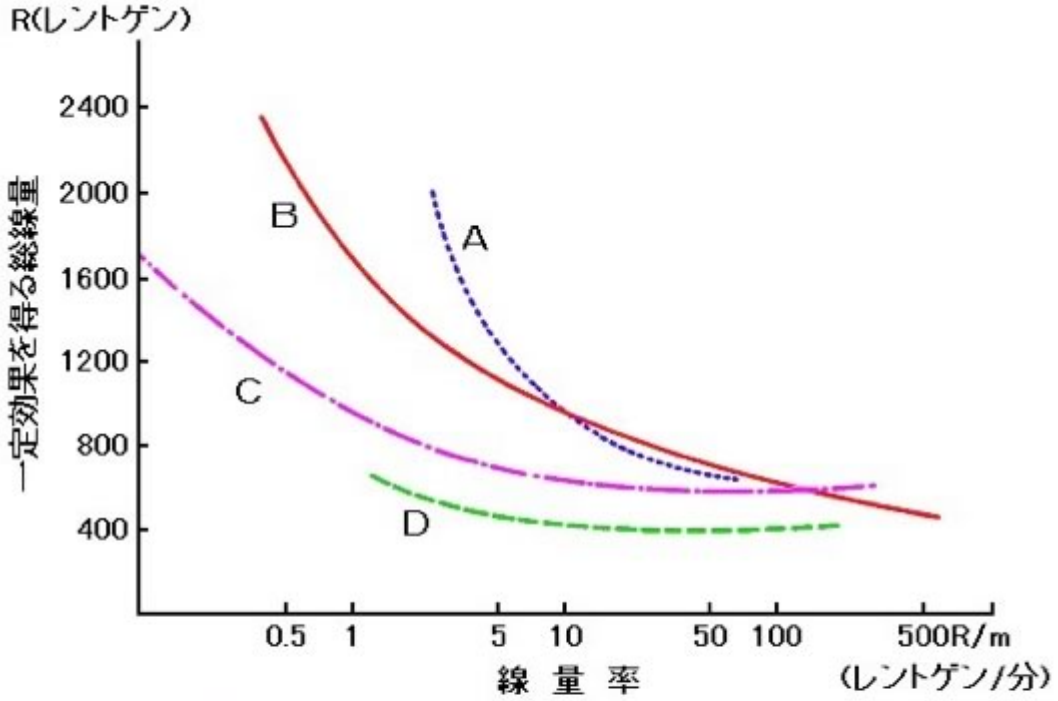
??????????????2?????????????????

????MIT??400???????DNA????
???????????????MIT?????????????????

??????????????????????1??
??????????????????????????????DNA???????????????????

MIT???????????????400?????????5????????DNA????????????????????????DNA??????????????????
????????????????????1Sv???????1000mSv??????????????????????????????????????

??????????????????????????????????ATOMICA????????????????
? ? ?



縦軸に一定効果を得る総線量(エックス線またはガンマ線)、横軸に線量率をとる。Aは鶏卵のLD50、Bはヒトの皮膚紅斑(Holthusen)、Cはマウスの LD50、Dはヒトの皮膚紅斑(MacComb)。線量率が低くなると同じ効果を得るためには、より大量の線量が必要となることを示す。

図1　生物学的効果の線量率依存性

[出典]北畠隆、森田皓三:放射線生物学、通商産業研究社(1991年)、p.6

?????????

MIT?????

??4????????
??????????5mSv?????97??????????????????????????1mSv?????97???????????????????????????????????
???????14????

??????????????????1????????????????????????MIT????????????????????????MIT??????????????????
??8??

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

??MIT??????????????????
??????????????????

???????????

????????????????????????????????(LSS)????????????14???GEPR??????????????????????1Sv???????
???(*1)????????????????????????????????AIC(*2)???????????
????????????????????????????2????????????????????LNT??
??????????????????????????

??

???LNT???????????????????

??100??????????????????
??
??????????????????????????

? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? 1 0 0
mSv??LNT??????????????????????????????????
??????????????????????????????????????20mSv??????

??
????????????????????311??

???????????

??
??????????????????????????

???MIT??
??
???????????

??????????????????????????1980??
??Arndt-
Schultz??
????????????????????

??
? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ? ?

This entry was posted on Monday, May 28th, 2012 at 12:00 am and is filed under ???, ??????????
You can follow any responses to this entry through the Comments (RSS) feed. Responses are currently closed, but you can trackback from your own site.