

In cases of cancer and heritable effects, effects appear stochastically. At present, the linear non-threshold (LNT) model is adopted in radiological protection even for low doses (p.166 of Vol. 1, "Disputes over the LNT Model"), due to which the safety and the danger cannot be clearly divided. Therefore, the protection level is considered based on the idea that risks cannot be completely eliminated and on an assumption that such risks can be tolerated. This is the very basis of the principles of radiological protection, placing emphasis on the "justification," "optimization" and "application of dose limits" (p.168 of Vol. 1, "Justification of Radiological Protection," number of Vol. 1, "Optimization of Radiological Protection," and p.171 of Vol. 1, "Application of Dose Limits").

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