

The linear, No-Threshold Model

Adoption of The Linear, No-Threshold Model

A series of developments from 1954 through 1972 marked the transition to adoption of the linear, no-threshold model as a predictive model of radiation injury in exposed populations. In 1954, the National Council on Radiation Protection (NCRP) issued new guidance on radiation protection in which the tolerance dose was replaced by a new concept, the *maximum permissible dose* (MPD)(NCRP, 1954). Implicit in the MPD concept was rejection of the concept of tolerance dose and establishment of the idea of “acceptable risk” at low levels of exposure.

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