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The Case *FOR* LNT

NO ONE HAS PRESENTED CREDIBLE EVIDENCE THAT LOW-DOSE RADIATION IS HARMFUL. IN FACT, PROPONENTS OF THE CONCEPT THAT THE HARM FROM RADIATION IS PROPORTIONAL TO THE DOSE ALL THE WAY DOWN TO ZERO RADIATION (CALLED THE “LINEAR NO-THRESHOLD,” OR LNT) MAKE THEIR CASE THUS (NCRP REPORT 121, 1995):

FEW EXPERIMENTAL STUDIES, AND ESSENTIALLY NO HUMAN DATA, CAN BE SAID TO PROVE, OR EVEN PROVIDE DIRECT SUPPORT FOR THE CONCEPT...IT IS CONCEPTUALLY POSSIBLE, BUT WITH A VANISHINGLY SMALL PROBABILITY, THAT ANY OF THESE EFFECTS COULD RESULT FROM THE PASSAGE OF A SINGLE CHARGED PARTICLE...IT IS A RESULT OF THIS TYPE OF REASONING THAT A LINEAR NON-THRESHOLD DOSE RESPONSE RELATIONSHIP CANNOT BE EXCLUDED.” (P. 45)
(EMPHASIS ADDED)

IN JUNE 2001, AFTER 6 YEARS OF STUDY, REPORT NCRP-136 RECOMMENDED CONTINUED USE OF LNT, BUT CONCEDED (P. 6):

“It is important to note that the rates of cancer in most populations exposed to low-level radiation have not been found to be detectably increased, and that in most cases the rates have appeared to be decreased.”

The LNT was recommended despite clear-cut conclusions in a vast body of credible peer-reviewed studies that the LNT misrepresents the data.

A selection of these many refutory studies were provided to the Nuclear Regulatory Commission and to the NCRP, and the Chairman of the NRC explicitly required the NCRP to consider such studies, but they were **not** substantively discussed or refuted in NCRP Report 136.

See: [http:// cnts.wpi.edu/RSH/docs/HANDOUTS/Case4LNT.pdf](http://cnts.wpi.edu/RSH/docs/HANDOUTS/Case4LNT.pdf)

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