Abstracts

Prolongation of Life During High-Intensity Microwave Exposures

G.M. Samaras, L.R. Muroff and G.E. Anderson. "Prolongation of Life During High-Intensity Microwave Exposures." 1971 Transactions on Microwave Theory and Techniques 19.2 (Feb. 1971 [T-MTT] (Special Issue on Biological Effects of Microwaves)): 245-247.

In an attempt to determine whether environmental control would be a feasible and effective tool with which to further investigate microwave bioeffects, we have performed a pilot study. Osborne-Mendel rats were exposed in a lucite environmental chamber, continually flushed with liquid-nitrogen-cooled air. The results of this study indicate that ambient air temperature control can provide a means for prolonging life in test subjects exposed to high-intensity microwave fields. Dosimetric considerations are presented in an attempt to relate heating curves to exposure conditions.

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