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Inhibition by whole-body hyperthermia with far-infrared rays of the growth of spontaneous mammary tumours in mice. (PMID:10628363)

<u>Udagawa Y</u>, <u>Nagasawa H</u>, <u>Kiyokawa S</u>

Experimental Animal Research Laboratory, Meiji University, Kawasaki, Japan.

Anticancer Research [1999, 19(5B):4125-4130]

Type: Journal Article, Research Support, Non-U.S. Gov't, Comparative Study

Abstract

Highlight Terms 🛽

□ Gene Ontology(1) □ Diseases(2) □ Species(1)

To evaluate possible therapeutic benefits of irradiation with far-infrared rays (FIR) on breast cancer, we examined combined effects of the chronic exposure to FIR at ambient temperature (26.5-27.5 degrees C) and the whole-body hyperthermia induced by FIR (WBH) (35-41 degrees C) on the growth of spontaneous mammary tumours of mice. A high mammary tumour strain of SHN virgin mice born on the normal rack or FIR rack were maintained on the respective racks until mammary tumour appearance. When the mammary tumour size reached approximately 7 mm, some mice in each group received no further treatment (Control and FIR groups, respectively) and the remaining mice received 3 hours of WBH each of 5 consecutive days (C +

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