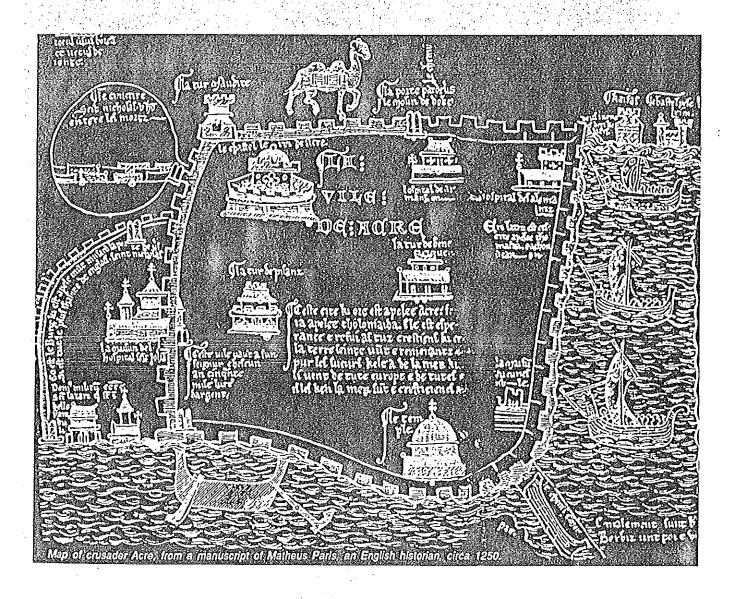
INTERNATIONAL CLINICAL HYPERTHERMIA SOCIETY

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PROGRAM AND ABSTRACTS

NEW CONCEPT ABOUT INHIBITION OF EXPERIMENTAL VIRAL INFECTIONS USING HYPERTHERMIA

Piglinoci G.M., Fiorito, R., Venditti, D., Iorio, B., Giudiceandrea, F., Cervelli, V., and Casciani, C.U.

After rediewing the most accepted hypothese/regarding the site of action of hyperthemia on the cellular level, the authors examine the validity of themotherapy in certain infections diseases, especially in chronic viral diseases. Particularly the themotherapy is efficacy in the treatment of a big number of experimental infections induced by INA and INA viruses and it increases the citotoxicity efficacy of some antiviral drugs. Using themotherapy on ISV-I and EMC viral cultures, it is possible obtain a flow growth title of ISV-I and EMC viruses, proportionally to increase of temperature with a peak at 41-43° C. We can test some antiviral drugs, incorporating in normal cells and in infected

So we can notice that the antiviral action of these drugs it is facilitated by the simultaneous use of hyperthermia, considering the viral growth title.

cells by HSV-I and EMC, using hyperthermia simultaneously.

In conclusion, the thermotherapy controls the viral growth alone, but in association with antiviral drugs, the hyperthermia increases itself action and it facilitates the penetration of these antiviral drugs within the infected cells too.