

## Multi-Frequency Electromagnetic Thawing of Frozen Kidneys

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C.P. Burns and E.C. Burdette. "Multi-Frequency Electromagnetic Thawing of Frozen Kidneys." 1974 S-MTT International Microwave Symposium Digest of Technical Papers 74.1 (1974 [MWSYM]): 38-40.

The development of electromagnetic radiation techniques for thawing frozen organs is necessary in establishing frozen organ banks for surgical transplantation. Rapid and uniform thawing is a very difficult problem which is dependent upon kidney size, frequency of radiation, and power level. Failure to accomplish these thawing conditions results in excessive tissue damage. Experiments with canine and rabbit kidneys at two different frequencies are described.

 [Return to main document.](#)