

## New Applicators for Microwave Hyperthermia

---

Y. Nikawa, D. Kobayashi, S. Mori and F. Okada. "New Applicators for Microwave Hyperthermia." 1991 MTT-S International Microwave Symposium Digest 91.2 (1991 Vol. II [MWSYM]): 809-812.

Two types of applicators using microstrip for microwave hyperthermia are proposed. One is a microstrip patch applicator using a dielectric substrate made of silicone rubber with flowing water (Type I). The other is a microstrip array applicator using flowing water substrate (Type II). The applicators are flexible and can avoid the surface overheat of the heating medium. The heating experiments at 430 MHz show that the applicator can be in contact well with the uneven surface of the body and can heat relatively wide and deep portion inside simulated human muscle.

 [Return to main document.](#)