



HYPERHIDROSIS

EVALUATION OF THE EFFICACY AND SAFETY FOR MODERATE AND SEVERE AXILLARY BROMHIDROSIS TREATMENT BY MICROWAVE ABLATION

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Introduction: Axillary Hyperhidrosis and bromhidrosis are common adnexal diseases in dermatology, which are associated with abnormal secretion of sweat glands, which severely affects daily life, work and social interaction. At present, the treatments are mainly divided into temporary treatments including oral anticholinergic agent, subcutaneous injection of botulinum toxin, topical antibiotics and antiperspirant, permanent treatments including upper thoracic sympathectomy, subcutaneous curettage and pruning, tumescent superficial liposuction and laser treatment.

Objective: We followed up and analyzed 34 Axillary bromhidrosis patients who underwent miraDry microwave treatment (once or twice) in our department from June 2016 to April 2018.

Materials and Methods: MiraDry (Miramar Labs Incorporated, Santa Clara, CA) microwave device. We follow up and evaluate the efficacy by calls.

Results: 79.41% (27/34) had a significant effect (hypodrosis and odor reduced), 11.76% (4/34) were unilaterally effective, and 5.88% (2/34) relapsed after 2 months and 1 year respectively, 8.82% (3/34) taken the second microwave treatment in half a year and were effective after second treatment. Adverse reactions: 61.76% (21/34) had postoperative redness and swelling, 35.29% (12/34) had nodules, 32.35% (11/34) had local pain, 5.88% (2/34) had exudation, 1 patient had cysts. And 50% (12/24) of patients had redness, swelling and pain disappeared in one month, and 33.33% (7/12) 33.33% of patients still had nodules in one month after miraDry treatment.

Conclusions: The effective rate of miraDry for bromhidrosis is as high as 91.17% (27+2 effective bilateral +4 unilateral/34 bilateral), and the effective rate after secondary treatment is 100%. Compared with other treatments, miraDry has many advantages: safe, effective, no wounds, no scars, and can return to daily life without recovery period and long-lasting effect.

