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**Title:** THE EARLY EXPERIENCE OF EXTRACORPOREAL MAGNETIC INNERVATION THERAPY IN OVERACTIVE BLADDER

**Aims of Study:**

In the management of overactive bladder, pharmacologic management has been mainly applied. However, there could be associating problems of drug side effects and compliance. The extracorporeal magnetic innervation(ExMI) therapy has been developed and its clinical efficacy was approved mainly in stress urinary incontinence patients. The aim of this study was to determine the efficacy of the ExMI therapy in overactive bladder.

**Methods:**

Forty women with overactive bladder were retrospectively analysed. Patients were evenly divided into two groups: pharmacotherapy group and ExMI therapy group. Patients' records including pre-and post-treatment subjective and objective symptoms, voiding diary, quality of life were assessed and compared.

**Results:**

Symptoms of frequency, nocturia, urgency, urge incontinence were significantly improved in both groups. Residual urine sensation was improved in 75%(15/20) of pharmacotherapy group and 80%(16/20) of ExMI therapy group. Voiding volume and quality of life score were significantly increased with the treatment in both groups, and there was no significant difference between two groups ( $p>0.05$ ).

**Conclusions:**

Even though the data was limited to relatively small number of patients, we suggest that ExMI therapy also gives benefits in symptom relief and quality of life improvement in overactive bladder.

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