



# Effective Health Care

## Transurethral Radiofrequency Energy Micro-Remodeling for Stress Urinary Incontinence in Women Nomination Summary Document

### Results of Topic Selection Process & Next Steps

- Transurethral radiofrequency energy micro-remodeling for stress urinary incontinence in women (Renessa) was found to be addressed by a 2008 technology assessment titled *Radiofrequency Micro-remodeling for the Treatment of Female Stress Urinary Incontinence* from the California Technology Assessment Forum. Given that the existing review of the available evidence covers this nomination, no further activity will be undertaken on this topic.
  - California Technology Assessment Forum. Radiofrequency Micro-remodeling for the Treatment of Female Stress Urinary Incontinence. Available at: <http://www.ctaf.org/content/assessment/detail/930>.

### Topic Description

**Nominator:** Public policy maker/payer

**Nomination Summary:** The nominator requests a review of the evidence on the Renessa procedure in patients who are females of any age suffering from stress urinary incontinence and who have failed conservative therapy (i.e., medication).

**Staff-Generated PICO:**

**Population(s):** Women with stress urinary incontinence due to hypermobility who have failed conservative therapy and who are not candidates for surgical therapy

**Intervention(s):** Transurethral radiofrequency energy micro-remodeling

**Comparator(s):** Periurethral injection of bulking agents, sacral nerve stimulation, percutaneous tibial nerve stimulation

**Outcome(s):** Efficacy, especially long term (e.g., reduction in number of daily incontinence episodes, reduction in daily incontinence pad use, improvement in Valsalva leak point pressure), safety, quality of life

**Key Question from Nominator:** 1. Is transurethral radiofrequency therapy (e.g., Renessa procedure) safe and effective, especially long term, for the treatment of stress urinary incontinence?

### Considerations

- The topic meets EHC Program appropriateness and importance criteria. (For more information, see <http://effectivehealthcare.ahrq.gov/index.cfm/submit-a-suggestion-for-research/how-are-research-topics-chosen/>.)

- Urinary incontinence affects a substantial number of adult women and impacts a woman's physical, psychological, professional, and social quality of life.
- This topic was found to be addressed by a 2008 technology assessment titled *Radiofrequency Micro-remodeling for the Treatment of Female Stress Urinary Incontinence* from the California Technology Assessment Forum. This technology assessment reviews the majority of the available evidence for the Renessa procedure.
- A scan of the literature that has been published since this technology assessment revealed only two case series studies that would most likely not change the existing conclusions of this report. Additionally, no ongoing or in-process clinical studies of the Renessa procedure were identified. Therefore, the currently available evidence on the Renessa procedure is insufficient for a new systematic review by the EHC Program.