Background. Benign Metastasizing Leiomyoma (BML) is a rare condition. In the most cases it appears as a singular or multiple nodules of proliferating smooth muscle cells, usually in the lungs of women with previous hysterectomy. Such lesions have commonly been reported in young premenopausal women, the resected uteri of whom have displayed leiomyomatous alterations with usual histology. Besides surgery, a lot of conservative treatments have been developed, and also many drugs have been used against BML (e.g., GnRH analogues, progestogens, or aromatase inhibitors). Our review of BML therapies was carried out with the primary intention of understanding if a standard of care exist, and to point out the actual and future treatment options for this disease.

Target Audience. Obstetricians and Gynecologists, Endocrinologists.

Learning Objectives. After completion of this review, the reader should be able to recall the Benign Metastasizing Leiomyoma and to state the options for a treatment, taking in consideration the wide range of therapeutic approaches.