

## 2025 APAGE Annual Congress YAG Video Abstract

**Authors:** Low Kah Pin

**Affiliation of authors:** Department of Obstetrics & Gynaecology, Island Hospital, Penang, Malaysia

**Corresponding author name:** Low Kah Pin

**Title:** LAPAROSCOPIC MICROWAVE MYOMECTOMY OF SUBSEROSAL FIBROIDS

**Aims and Objectives:** To demonstrate the feasibility and surgical technique of laparoscopic myomectomy using microwave energy alone, without adjunctive bipolar or harmonic devices, for the resection of a large posterior subserosal fibroid along with two smaller anterior subserosal fibroids.

**Settings and Design:** A single-case video documentation from a tertiary care center shows laparoscopic myomectomy performed using a microwave ablation antenna as the sole energy source.

**Materials, setting and methods:** The antenna was used to coagulate and devascularize the fibroid tissue prior to sharp dissection by laparoscopic scissors. Microwave ablation also used to shrink the larger specimen to ease removal. No other energy devices were utilized during the procedure.

**Results:** The large posterior subserosal fibroid and two smaller anterior fibroids were successfully enucleated with minimal blood loss, no need for conversion or additional energy sources, and without intraoperative complications. The surgical field remained clear, and myometrial hemostasis was achieved without any suturing. Postoperative recovery was uneventful.

**Conclusion:** This case highlights the effectiveness of microwave energy as a stand-alone tool in laparoscopic myomectomy, even for subserosal large and multiple fibroids. It offers a blood-sparing and device-efficient alternative, potentially simplifying surgical workflow and reducing operative costs.

**Keywords:** myomectomy, microwave ablation, fibroids, advanced laparoscopy

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