



3rd International Conference on

GYNECOLOGY, OBSTETRICS AND WOMEN'S HEALTH

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Title: Laparoscopic vs Laparotomy Myomectomy complications: Updated Analysis

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Abstract

Complications of myomectomy are generally rare and highly dependent on the surgeons' skills and selection of patients. Haemorrhage, direct injury, post-operative pain and fever present as intra and peri-operative complications, while adhesions are considered late complications.

21 RCTs and 15 meta-analyses have been conducted to date, with the last comprehensive meta-analysis being published in 2009. Our meta-analysis compares laparoscopic myomectomy to open myomectomy and provides an updated review of the type, frequency and severity of complications. Our analysis, published in the European Journal of Obstetrics and Gynaecology, concluded that laparoscopic Myomectomy has more favourable outcomes compared to laparotomy. Including a lower Hg drop, lower incidence of post operative fever, and lower levels of pain 24 and 48 hours post op.

Biography

Kyle Alexander is currently a final year medical student at the University of Nicosia, Cyprus. He has specific interests in the fields of Gynaecology and Neurology. Kyle has worked alongside multiple doctors from the UK, USA and Cyprus, to publish papers in reputable journals, and is currently an honourable reviewer for the Journal of Cerebrovascular disease and Stroke. Kyle has completed the USMLE and is looking to 'Match' in the USA Residence Program 2025.

Recent publication:

- 1.. Tanos V, Lee S-YC, Alexander K, Pavlou A. Laparoscopic myomectomy complications: Meta analysis on RCTS and review of large cohort studies. *European Journal of Obstetrics & Gynecology and Reproductive Biology*. 2023;287:109–18. doi:10.1016/j.ejogrb.2023.06.008
- 2.. Alexander K, Mouzoura E, Papademetriou A, Nicolaou N. Isolated lettuce allergy in a medical student: Case report and review of the literature. *Exploration of Asthma & Allergy*. 2023;20–7. doi:10.37349/ea.2023.00004
3. Alexander K, Lee S-YC, Georgiades S, Constantinou C. The “Not so good” thyroid cancer: A scoping review on risk factors associated with anxiety, depression and quality of life. *Journal of Medicine and Life*. 2023;16(3):348–71. doi:10.25122/jml-2022-0204

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