

An Examination of the effectiveness of Laparoscopic Surgery as a treatment for pain and infertility associated with Endometriosis, compared to the effectiveness of non-surgical interventions in women: A Systematic Review

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Abstract (300 word limit)

This Systematic Review was conducted between September 2022- July 2023. The primary outcomes include; Pain via Visual Analogue Scale (VAS) score reduction in pelvic pain and dysmenorrhea and Infertility improvement through evaluation of pregnancy and live birth rates. Six papers focused on pain management, with six focusing on Infertility management.

Methods:

This Systematic Review was conducted between September 2022- July 2023. The primary outcomes include; Pain via Visual Analogue Scale (VAS) score reduction in pelvic pain and dysmenorrhea and Infertility improvement through evaluation of pregnancy and live birth rates. Six papers focused on pain management, with six focusing on Infertility management.

Results:

Medical Interventions (mean±SD)

- Pelvic Pain VAS reduction: 6.05 ± 0.56
- Dysmenorrhea VAS reduction: 5 ± 1.12
- Live Birth Rate: 0.25 ± 0.026
- Pregnancy Rate: 0.2233 ± 0.155

Surgical Interventions (mean±SD)

- Pelvic Pain VAS reduction: 2.29 ± 0.195
- Dysmenorrhea VAS reduction: 4.2 ± 0.54
- Live Birth Rate: 0.3483 ± 0.095
- Pregnancy Rate: 0.38 ± 0.14

Conclusion:

This Systematic Review concludes that medical interventions offer a statistically significant benefit for pelvic pain and dysmenorrhea VAS score reduction among Endometriosis patients.

This Systematic Review concludes surgical interventions offer statistically significant pregnancy rates and live birth rates among women with a confirmed diagnosis of Endometriosis.

Recent Publications

- A systematic review of interventions to support transitions from intensive treatment for adults with anorexia nervosa and/or their carers
A systematic review of interventions to support transitions from intensive treatment for adults with anorexia nervosa and/or their carers



Biography

Eimear Eileen Teehan is a final year Medical Student at Barts and the London School of Medicine and Dentistry, based in London, United Kingdom. Eimear has successfully completed an intercalated MSc in Laparoscopic Surgery and Surgical Skills at Barts Cancer Institute, undertaking her dissertation in the area of Gynecology. Most recently, she has gained her LapPass certification. Eimear is an aspiring Laparoscopic and Robotic Gynecological surgeon and looks forward to her career as such.



Notes/Comments:

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