

# A Retrospective Review of Pelvic Pain Referrals, Laparoscopy Rates and Outcomes of a New Adolescent Gynaecology Clinic at a Tertiary Centre

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## Introduction

- Pelvic pain is one of the most common presenting symptoms in gynaecology.
- Laparoscopy is the gold standard for diagnosis of endometriosis.
- Endometriosis in the general population is estimated to be 10% (1).
- Women with endometriosis often report symptoms in adolescence and diagnosis can be delayed.
- A retrospective review was undertaken of referrals to a newly developed Adolescent Gynaecology clinic at the Mater Mothers' Hospital.

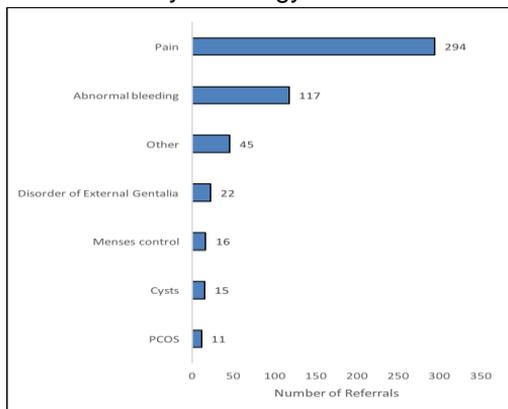
## Methods

- Referrals for pelvic pain were identified and medical records reviewed for age, indication for referral, laparoscopy and findings, Mirena insertion, and outcome if recorded at follow up.
- Patients were excluded if age >25.

## Results

- Between July 2015 and March 2018, there were 520 new referrals, 56% of which were for pelvic pain.

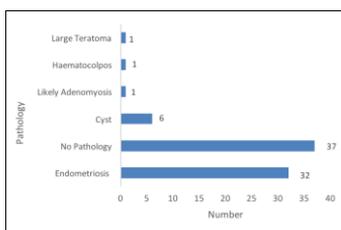
Figure 1: Reasons for referral to the Adolescent Gynaecology Unit.



## Results

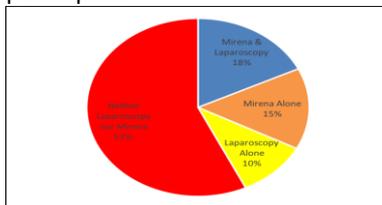
- A total of 78 laparoscopies were performed.
- Pelvic pathology was identified in 42 cases (54%), with endometriosis in 32 (41%).

Figure 2: Incidence of pathology at laparoscopy



- A Mirena was inserted at the time of laparoscopy for 40 patients (51%).
- Following laparoscopy, 41% reported improvement in symptoms, 28% reported no improvement in symptoms and 31% did not have a documented outcome or failed to attend follow up.

Figure 3: Percentage of patients who received Mirena and/or laparoscopy for pelvic pain.



## Conclusions

- Overall, low rates of laparoscopy were performed, with reasonably high specificity for pathology being found, including endometriosis.
- Of those patients with a documented outcome following laparoscopy, a high rate reported improvement in symptoms.

## References

1. Ozkan S, Murk W, Arici A. Endometriosis and Infertility. Epidemiology and evidence based treatments. *Annals of the New York Academy of Sciences* 2008;1127:92-100.