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### Case series: Feasibility of extra peritoneal laparoscopic cervical cerclage

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#### Abstract

**Study objective:** To evaluate surgical outcome of women having undergone cervical cerclage using laparoscopic extra peritoneal approach.

**Design:** Retrospective case series.

**Settings:** Chang gung memorial university hospital.

**Patients:** Three patients undergone laparoscopic extra peritoneal cervical cerclage due to history suggestive of cervical incompetence.

**Intervention:** Laparoscopic extra peritoneal cervical cerclage.

**Measurement and main results:** Duration of the procedures, intraoperative complications, estimated blood loss, length of stay in the hospital, and readmission. In year 2017 three women had extra peritoneal laparoscopic cervical cerclage. Two patients had another procedure during the same operation. The highest recorded blood loss was 50 ml for patient had myomectomy in addition to the cerclage. all patient had pre-pregnancy cervical length less than 2.1 cm measured by vaginal ultrasound. the longest operation time recorded was 3 hours in which the patient had myomectomy. Post-operative stay was less than 24 hours. No complications recorded.

**Conclusion:** This is a useful technique will simplify this procedure and eliminate the risk of uterine vessels injury.

**Keywords:** Laparoscopy, Cervical, Cerclage; Incompetence

#### Biography

Ahmed Adnan Faleh Al-Abadleh is a fifth-year medical student in Mut'ah university in Jordan. He is interested in research; he had started pursuing research during the end of his 3rd year and he is a co-author in many papers. He has learned several research skills through his journey in research such as: academic writing and statistical analysis. He is also a member in IFMSA; International federation of medical student association. Additionally, He is one of the volunteers which will help in the conference. He enjoys being a medical student, and hopes of becoming a heart surgeon as well as a good researcher in the future.