EP27.02 - Single port laparoscopic excision of ruptured ectopic focus in ovary

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Introduction
Ovarian pregnancies are rare conditions and the incidence is only 3% of total ectopic pregnancies by natural conception.

Result
We present single-port laparoscopic surgery for ruptured ovarian pregnancy. A 33 years-old female with amenorrhea of 6 weeks came to ER. she suffered from severe abdominal pain and vital signs were unstable; BP = 90/60 mmHg, Pulse = 116/min. Serum beta hCG levels were 4907 IU/L and transvaginal USG showed no G-sac in uterine cavity and only a cyst with a wide echogenic outer ring on right adnexa measuring 39 mm x 35 mm, suggestive of ectopic focus. Single-port laparoscopic right ovary wedge resection was done. Single-port laparoscopic surgery is widely used in gynecologic fields because of its potential for morbidity related to multiple trocar incisions and maximized cosmetic benefits with hidden scars compared to conventional laparoscopy. The right ovary was 4 cm x 5 cm and appeared to be ruptured with adherent blood clots. There was hemoperitoneum of about 400 ml.

Conclusion
Despite of the advantages of single-port laparoscopy, a patient who has unstable vital signs with massive hemoperitoneum is frequently avoided as contraindications. However, we performed successful single-port laparoscopic surgery for ruptured ovarian pregnancy.