Bilateral salpingo-oophorectomy and adhesiolysis with single port access laparoscopy and use of diode laser in a BRCA carrier

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Summary

Herein the authors report the first case of prophylactic bilateral salpingo-ovariectomy (BSO) in single port access laparoscopy (SPAL) with use of diode laser in a patient with BRCA1 mutation. As fimbria could be considered the site of origin for many serous carcinomas in BRCA mutation carriers, many studies are carried out to evaluate the possibility of preventing ovarian carcinoma with BSO. SPAL is a development of endoscopic surgery which further reduces invasiveness of surgical procedures. Diode laser presents a recognized precision for tissue cutting and coagulation and its use could be highly advantageous in SPAL surgery and in particular in such situations avoiding fallopian tube histology distortion and consequently improve the prognosis of BRCA carriers.

Key words: Diode laser; Ovarian carcinoma; Prophylactic salpingo-ovariectomy; Single port access laparoscopy; SPAL.