

# Application of the Kiwi OmniCup for Uterine Exteriorization: A Case Report

Ms Lauren Johnson<sup>1</sup> Dr Roshan Zeirideen Zaid<sup>1,2</sup>

<sup>1</sup>School of Medicine, Deakin University, Warrnambool VIC

<sup>2</sup>Department of Obstetrics & Gynaecology, South West Healthcare, Warrnambool VIC



## Background

The Kiwi OmniCup is traditionally used in obstetrics as a vacuum-assisted delivery device. It has novel applications in gynaecological surgery, demonstrating its effectiveness in uterine exteriorisation when conventional techniques prove challenging.

## Aims

To describe the innovative use of a ventouse-assisted delivery device for uterine exteriorization in myomectomy.

## Case Report

**Case:** 29-year-old female presented with heavy menstrual bleeding and pelvic pain on a background of polycystic ovarian syndrome (PCOS). Pelvic MRI revealed an 11.3 x 9.4 x 8.2 cm anterior wall fibroid. Patient was consented and scheduled for open myomectomy.

**Results:** Pfannenstiel incision and routine entry into pelvis revealed an enlarged, retroverted uterus. Initial manual manipulation attempts at exteriorization were unsuccessful due to deep pelvic positioning of the uterus. The OmniCup was applied to the uterine fundus, facilitating controlled and atraumatic uterine exteriorization. Myomectomy was successfully performed, with removal of the anterofundal fibroid. The patient had an uneventful postoperative recovery.

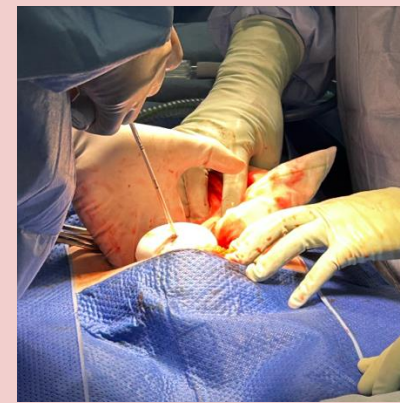


Figure 1

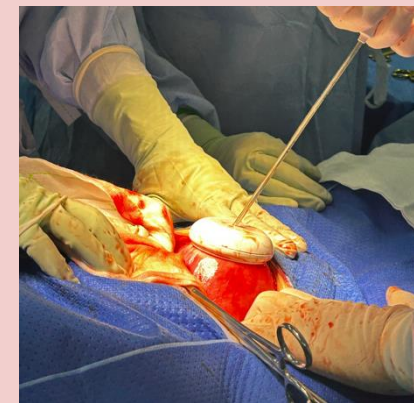


Figure 2

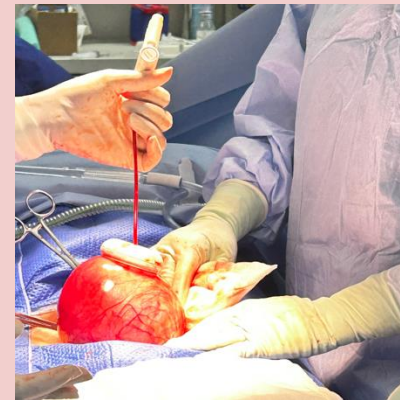


Figure 3

## Figures 1-3:

1. Application of Kiwi OmniCup
2. Exteriorization of uterus
3. Further exteriorization of uterus

## Discussion

The OmniCup is licensed for instrumental vaginal deliveries. This report highlights its potential gynaecological application in myomectomy, expanding upon previously reported use in total abdominal hysterectomy. The OmniCup provides a controlled and atraumatic method for uterine exteriorization, reducing risk of serosal or myometrial injury, compared to conventional manual manipulation or myoma screws. Additionally, it eliminates the need for midline incision when exteriorizing a large uterus. The OmniCup offers a minimally invasive and safer, bloodless alternative. Following two successful cases, efforts will continue to gather more cases in the future. It is proposed that this technique be considered a routine option for uterine exteriorization in gynaecological surgeries when manual methods are challenging.