

USE OF OXIDIZED REGENERATED CELLULOSE DURING LAPAROSCOPIC SLEEVE GASTRECTOMY: A RETROSPECTIVE COHORT ANALYSIS

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Laparoscopic sleeve gastrectomy is one of the commonly performed bariatric procedures for weight reduction.

Hemorrhage during procedure from the stapler lines is one of the dreaded complications that can occur during the surgery.

Oxidized regenerated cellulose (ORC) usage added to conventional hemostatic strategies may be used to control oozing from the stapler lines.

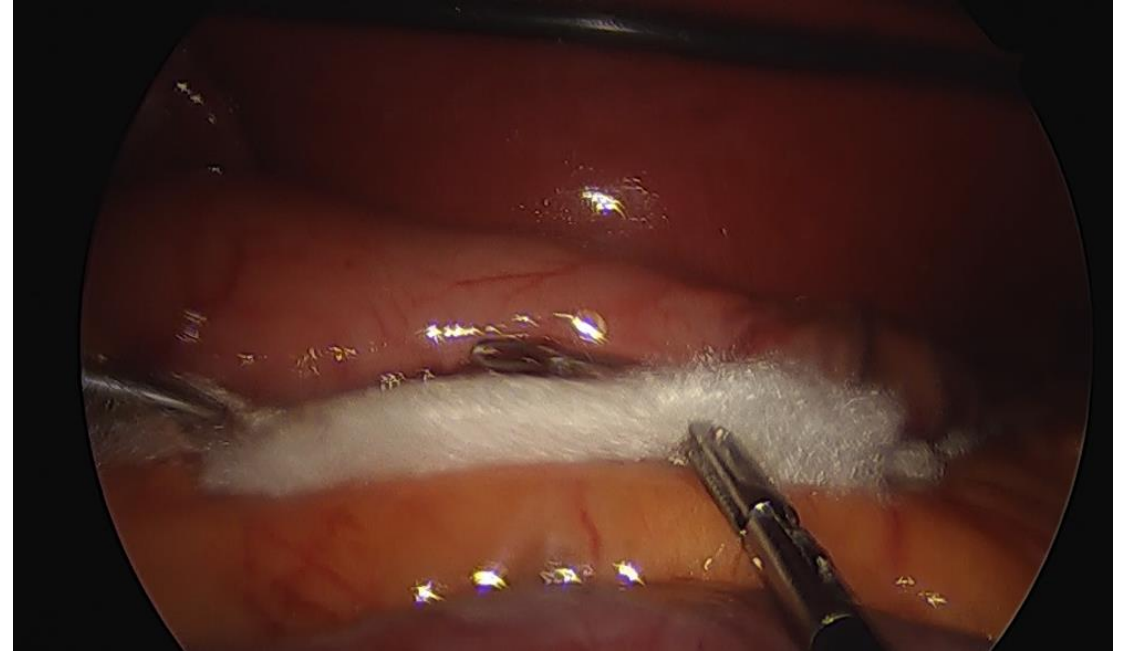
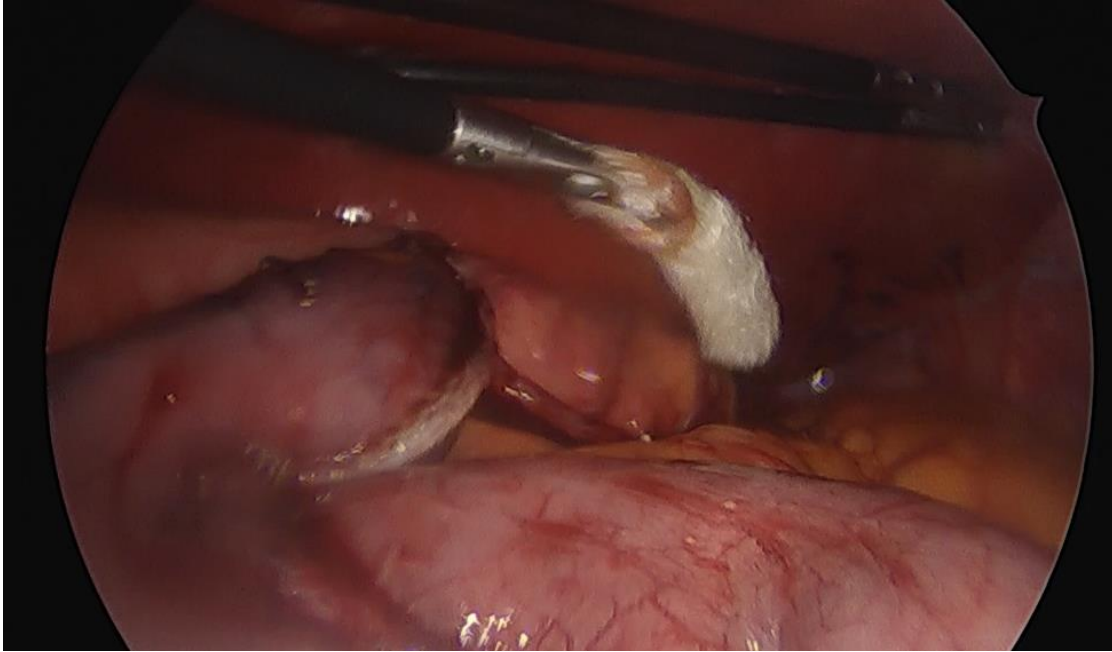
OBJECTIVES:

To assess the effectiveness of **ORC** at the stapler line after laparoscopic sleeve gastrectomy in view of postoperative drain output.

METHODS:

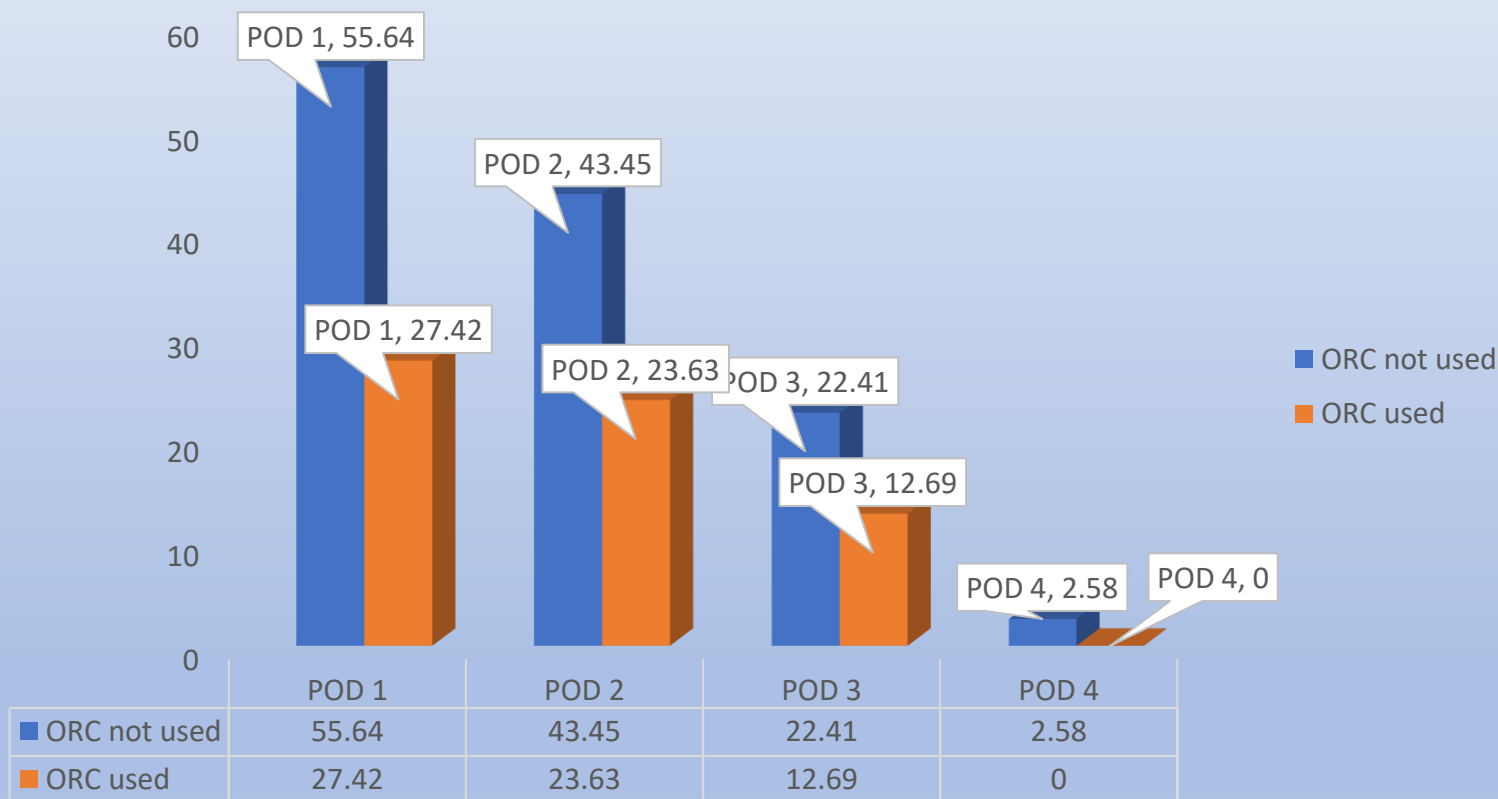
We conducted a retrospective study with a time frame of 24 months from February 2021 to February 2023 at VPS Lakeshore hospital, Kochi in which 76 patients were enrolled in the study in which ORC was used in 38 patients and no hemostatic agent was used in 38 patients.

- **Inclusion criteria:** All patients with BMI>35 kg/m² who are morbidly obese or with metabolic syndrome
- **Exclusion criteria:**
 - Patients unfit for general anesthesia
 - Patients with coagulation abnormalities



RESULTS AND OBSERVATIONS:

- The mean and the median drain output in the subjects for whom ORC was used was significantly less compared to the patients where ORC was not used with p value of 0.04.
- The mean hospital stay was also reduced in patients for whom ORC was used.



CONCLUSION:

- ORC is effective in controlling stapler line oozing.
- Use of ORC not only reduces the duration of surgery as it reduces the need of overlying sutures or hemoclips but also the overall hospitalization period for the patient.
- Hence it is advisable to use ORC during laparoscopic sleeve gastrectomy as a safe hemostatic agent.

CONFLICT OF INTEREST DISCLOSURE

In accordance with «EACCME criteria for the Accreditation of Live Educational Events»,

I have no potential conflict of interest to report.