Smart Surgical Drainage; Remove Drains Sooner

- **Shorter Drain retention by 4.9 Days**
- **Reduced Seroma / Hematoma by 3.9%**
- **Reduced Drainage Intervention by 8.7%**
- **Reduce Wound Dehiscence by 4.3%**
- **Improved Usability**

Product Description

SOMAVAC® is the only **FDA-cleared**, ***battery-powered***, ***fully closed*** suction system that provides gentle, continuous 100mmHg deep tissue negative pressure therapy. It has been shown in a clinical trial to provide ***more reliable and faster fluid removal*** that is ***better tolerated*** compared to traditional silicone bulbs in women receiving mastectomies. Data show that traditional bulbs consistently develop a drop in pressure once squeezed. SOMAVAC's drain connectors are ***compatible with standard 15 – 19 Fr non-collapsible surgical drains*** of the surgeon's choice and can accommodate ***up to four drains***. The drain connectors include a **one-way valve** to mitigate backflow to the surgical site. The fluid collection bag holds a total of ***100ml of fluid*** that can be recorded and thrown away by the patient. No need for stripping the drains. A series of **color-coded lights** direct the patient's therapy management. These benefits allow patients to **ambulate more quickly and comfortably**, potentially **decreasing complications** and allowing for the faster **removal of surgical drains**. Patients can call or text SOMAVAC's **customer support at any time, 24/7**. SOMAVAC is covered within the overall cost of surgery.

Clinical Evidence

In a prospective study, this novel device was placed on 27 women (35 breasts) after mastectomy. Results were compared to a matched retrospective cohort of 18 women (23 breasts) who received traditional bulbs. The mean ages were comparable, and BMIs were similar between the groups. As illustrated in Table 1, the SOMAVAC achieved statistically significant better results for Time with Drain and System Usability Score (corresponding to "best imaginable") compared to traditional bulbs. The Total Drain Output was not statistically different between the groups, likely due to the large variability in the data.

	Somavac n=35			**Traditional Bulbs n=23**		**p-value**
	Mean (SD)	**Range**		**Mean (SD)**	**Range**	
Time with Drain (days)	11.1 (4.9)	6 - 25		16.3 (7.4)	4 - 35	***0.003***
Total Drain Output (mL)	616 (442.4)	94 - 1985		823	174 - 3235	0.103
System Usability Score	93.1	27.5 - 100		46.7 *	0 - 100	***0.0008***
*** Women with previous mastectomy assessing earlier experience with bulbs (n=6)**						

The study authors concluded that this novel battery-operated device decreased patients' postoperative time with a surgical drain, decreased complications, and improved the patient experience compared to drains attached to a traditional bulb. It marks a significant leap in postoperative care as we strive toward improved patient experiences and outcomes.