# PIONEERING MAKESHIFT ENDOSPONGE® IN THE MANAGEMENT OF LOW ANTERIOR RESECTION LEAK IN PAKISTAN

A. Rehman , A. Wahid, S. Khattak , A. A. Syed
Shaukat Khanum Memorial Cancer Hospital and Research Centre, Surgical Oncology, Lahore, Pakistan

## OBJECTIVE

To assess the usefulness of using negative pressure wound therapy in managing post low anterior resection anastomotic leaks using makeshift endosponge

## CASE DISCUSSION

A 48 years old male known case of rectal cancer underwent low anterior resection in April 2021. He developed anastomotic leak diagnosed 4 weeks post surgery

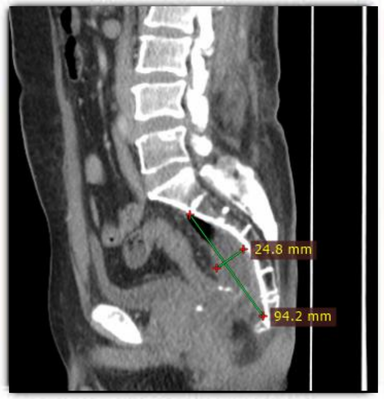



FIG.1(a): MRI Pelvis showing pre sacral abscess cavity



FIG.1(b): MRI scan after 6 weeks. No residual cavity

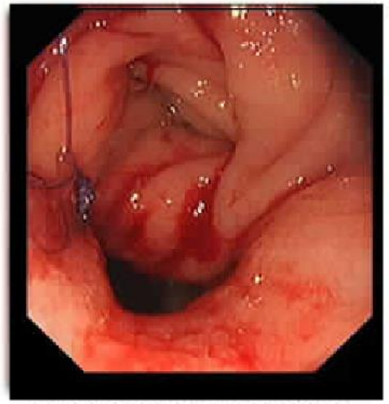


FIG.2(a): Sigmoidoscopic image showing anastomotic defect

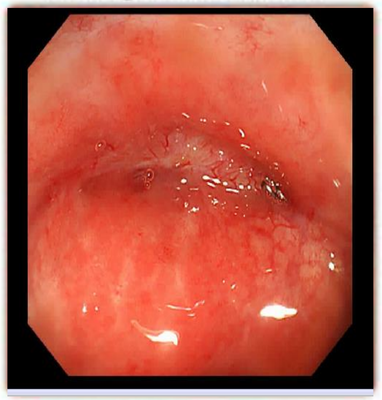


FIG.2(b): Completely healed cavity after 6 weeks



FIG.3(a): Makeshift endosponge in making using Jackson Pratt drain.



FIG.3(b): Makeshift endospoge ready to use

## TREATMENT

- Patient underwent twice weekly washouts with drain placement under general anaesthesia.
- Mean time to healing was 36 days.
- Anastomotic defect was well granulated as shown in FIG.2(b)

## CONCLUSION

- To the best of our knowledge anastomotic salvage using this technique is implemented for the first time in Pakistan .
- The treatment intent of sphincter saving anastomotic salvage was maintained.
- Endopsonge® is not available in Pakistan therefore we improvised local resources and came up with a similar closed suction drainage system that works on the same principle. It has shown promising results.

Correspondence: abdul.rehman@skm.org.pk
Cell number : +92-322-4570437

SHAUKAT KHANUM MEMORIAL
CANCER HOSPITAL & RESEARCH CENTRE
7-A Block R III, Johar Town, Lahore, Pakistan