Endoscopic Vacuum Therapy With An Improvised Affordable Device For The Management Of Esophageal Leak After POEM

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Case Report

Per-oral endoscopic myotomy (POEM) was developed less than two decades ago for the treatment of achalasia. Its minimally invasive approach and favorable short-term outcomes have led to the rapid adoption of the technique as the standard of care for achalasia and, in recent years, for other motility disorders of the GI tract. As with any new technique, there will be adverse events, and parallel to the evolution of these new treatments, several approaches for managing these adverse events should be discussed. We present a case of successful endoscopic management with EVT (endoscopic vacuum therapy) of an esophageal leak after a POEM procedure using an improvised endoscopic device. EVT was successful in managing the esophageal leak, leading to closure and resolution of symptoms. The patient experienced a favorable recovery without the need for further intervention. While further studies are needed to validate this approach, it offers a promising alternative to traditional management strategies. The use of an improvised device highlights the potential for cost-effective solutions in endoscopic interventions.



