

Anal Repair and Diamond Flap in Moderate Anal Stenosis Patient After an Open Hemorrhoidectomy Surgery: A Case Report

Authors : Andriana Purnama, Reno Rudiman, Kezia Christy

Abstract : Anal stenosis which develops due to anoderm scarring usually caused by secondary to surgical trauma, has become common, causing significant decrease patient's quality of life. Even though mild anal stenosis was treated with non-surgical treatment, but surgical reconstruction is unavoidable for moderate to severe anal stenosis that cause distressing, severe anal pain and inability to defecate. In our study, we intend to share our result with the use of diamond flap in treatment of anal stenosis. This case report illustrates a 57-year-old male patient who presented with difficulty and discomfort in defecation caused by anal stenosis after 2 years of open hemorrhoidectomy surgery. At physical examination, there was requirement of forceful dilatation when the index finger was inserted or precisely 6mm as measured by Hegar dilator (moderate anal stenosis). Blood test result was within normal limits. The patient underwent anal repair and diamond flap where the scar tissue at 6 and 9 o'clock directions was excised and diamond graft was incised carefully while paying attention to the vascular supply. Finally, the graft was fixated without any tension to the anal canal, resulting in diameter of 2 cm after operation. After 2 days post operation, the patient was in stable condition, without any complication, and discharged. There was no abnormality concerning the stool. Ten days after the operation, diamond flap was in normal condition and without any complication. He was scheduled for further follow up at the Digestive Surgery Department. Anal stenosis due to overzealous hemorrhoidectomy is a complication that is preventable when performed in experienced hands. Diamond flap was one of the options for the anal stenosis treatment with less complication.

Keywords : anal stenosis, diamond flap, post hemorrhoidectomy, anal repair

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