Minimal Invasive Approach should become the Standard for the Management of Zinner Syndrome

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Discussion
Various techniques have been proposed for the operative management of patients with Zinner syndrome.

Open resection for young fit patient and transurethral resection as well as transrectal aspiration for unfit patients have been proposed and different approaches such as transvesical, transperineal, transperitoneal, retroperitoneal and transcoccygeal approaches have been described [2].

However, these approaches are challenging and associated with a high risk of morbidity [3]. The difficulty stems mainly from the deep location of the seminal vesicle in the retrovesical region. Additionally, open access demands a large incision with extensive dissection of the bladder and exposes the patient to the risk of erectile dysfunction and rectal injury. Furthermore, some of these approaches are limited by the inability to treat upper urinary tract anomalies.

Recently, several authors had reported their experience with...
laparoscopic and robotic-assisted laparoscopic approach to treat patients with Zinner syndrome [4,5].

In our case, laparoscopic approach has been associated with minimal blood loss, quick convalescence, minimal postoperative pain and a good cosmetic result.

In our opinion, due to the complex anomalies encountered in this syndrome, laparoscopic transperitoneal approach should be the gold standard for treating these patients.

It allows direct access to the kidney, ureter and seminal vesicle by only incising the peritoneum. A fine and precise dissection and a good view would limit the blood loss, avoid damage to the bladder, rectum and neurovascular bundles.

We recommend always a multiplanar MRI before the surgery for evaluating the local extent of these seminal vesicle anomalies and to delineate the pathway of the ureter.
References


