

NOTES and LESS laparoscopic simple nephrectomy with the use of standard laparoscopic instruments: Initial experience in 3 cases Nefrectomía simple laparoscópica NOTES y LESS con el uso de instrumentos laparoscópicos estándar: Experiencia inicial en 3 caso

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Introduction: Natural orifice transluminal endoscopic surgery (NOTES) and Laparoendoscopic Single Site Surgery (LESS) are emerging technologies, which allows to performed surgical procedures avoiding any surgical scars. However there are some problems due to the lack of equipment available for these procedures. The aim of these study is to present our initial experience with the transvaginal nephrectomy NOTES and LESS using standard laparoscopic instruments. **Material and Methods:** Two female patients (23 and 26 years old) with diagnosis of recurrent urinary tract infection and renal atrophy. A laparoscopic simple nephrectomy with transvaginal NOTES assistance was performed, using one access port for the camera and two abdominal work ports of 10 and 3mm. In a third patient (15 years old) a transumbilical LESS nephrectomy was preformed with the use of standard laparoscopic instruments. **Results:** Average operative time was 110 min (40-200), with an estimated blood loss of 200 cc. There were