

Dual-port retroperitoneoscopic partial adrenalectomy in a patient with post-radiation spinal deformity

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Abstract body (should contain maximum 300 words)

Introduction We present a video of the retroperitoneoscopic adrenalectomy in a 45 years old female patient with MEN2a syndrome who suffered from a pheochromocytoma in combination with a severe spinal deformity. **Materials und Methods** The patient presented a right-sided 30 mm adrenalin-secreting pheochromocytoma. The patient had undergone left nephrectomy for Wilms' tumor in childhood and left pancreatic resection for a neuroendocrine tumor with age of 32 years. Radiotherapy, performed after nephrectomy, caused a spinal deformity with severe scoliosis. The operation was performed by a dual access approach with two 5 mm ports. **Results** There were neither peri- nor postoperative complications. The operative time was 63 min. Intraoperative blood loss was negligible. Histology confirmed pheochromocytoma with Ki-67 level of 1%. The patient was discharged on the third postoperative day. **Conclusion** Retroperitoneoscopic adrenalectomy is a feasible procedure even in case of the spinal deformity.