

Nephron-Sparing Surgery for VHL

Axel Bex

Specialist Centre for Kidney Cancer, The Royal Free London NHS Foundation Trust, London, United Kingdom; UCL Division of Surgical and Interventional Science, London, United Kingdom

Patients with VHL frequently present with bilateral multiple renal cell carcinoma. In the last 2 decades a paradigm evolved to perform nephron-sparing surgery, whenever technically feasible, when the largest lesion has reached a threshold of 3 cm with the goal of removing all tumors in that renal unit. Approximately 20% of patients require repeat interventions for recurrent tumours and it is important to consider minimizing surgical trauma at the first intervention. Robotic techniques have evolved rapidly and are now an essential part of the surgical management. The development of the surgical technologies for VHL kidney cancer patients will be reviewed.