

The Experiences of Centre of Robotic Surgery in Usti Nad Labem, Czech Republic with Robotic Partial Nephrectomy

Introduction and Objectives: We would like to show the results of our work in the Centre of Robotic Surgery in Usti nad Labem. This poster displays the results of 78 surgeries of kidneys, which were performed from August 2008 to December 2011. The patients with anatomical suitable kidney tumors were indicated to these surgeries.

Materials and Methods: These presented surgeries of renal tumors were done by the robotic system Da Vinci S HD. These surgeries were done by three surgeons.

Results: Our aim is to present the results of the final histology, operating times and complications as well as the length of hospital stay. Histology results: in our list of patients we found adenocarcinoma of the kidney, onkocytoma, cystis, metastasis of melanoma and one diverticulum of calyx. Operating times: It became apparent that the operating times were shortened due to the experience of the surgeons. Complications: The only complication, which we had, was bleeding. This complication happened to one of the first patients and because of this, the robotic surgery had to be converted to open surgery. Hospital stay: Average hospital stay was 3.5 days.

Conclusions: Da Vinci Partial Nephrectomy represents a safe, effective surgery of renal tumor with shorter hospital stay. The learning curve of robotic laparoscopy surgery is very short. The advantage of this method is fewer complications for patients.