



Fondazione IRCCS
Policlinico San Matteo

Nephron-sparing Robot-Assisted Partial Nephrectomy (RAPN) after superselective embolization with Onyx of the renal tumor

Giliberto G, Fiorello N, Jallous H, Quaretti P, Moramarco L, Cionfoli N

Foundation IRCCS Policlinic SanMatteo, Division of Urology, Pavia

Foundation IRCCS PoliclinicSanMatteo, Division of Interventional Radiology, Pavia

Introduction.

RAPN is considered the gold standard to treat the localized renal tumors, through the PADUA and RENAL score to evaluate and compare the correlations between preoperative and the anatomical aspects.

Materials and methods.

The first patient is a 46 years old woman, with a tumor of 6.2 cm, entirely exophytic, localized on the lower pole of the left kidney with a RENALSCORE of 5a.

The second patient is a 64 years old woman, with a tumor of 4.1 cm, partially exophytic, localized on the superior pole of the right kidney and a RENALSCORE of 6a.

The third patient is a 55 years old man, with a tumor of 4.8 cm, almost entirely exophytic and near to collecting system (5mm), of the superior pole of the right kidney and a RENALSCORE of 6a.

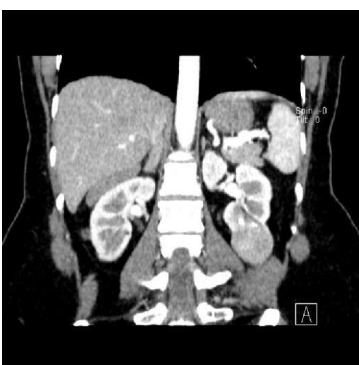
Results.

In all three patients the time of hospitalization is reduced, with regular post-operative course and preserved renal functional at 6 months after surgery.

Conclusions

Identifying the vascular pedicle in the RAPN can be hard, increasing the risks of intraoperative bleeding and increased surgical resection times. The superselective embolization with Onyx can help the urologist to perform the resection of tumor, with less intraoperative bleeding, shorter resection tumor time.

The follow-up at the 6th months showed no evidence of residual tumor and a renal function (level of creatinine) equal to the preoperative evaluation.



Società Italiana di Urologia Oncologica
Italian Society of Uro-Oncology

