The renal oncocytoma is a benign and rare tumor. It is known that the renal oncocytoma is a smaller tumor and most often asymptomatic, compared with kidney cancer. The differential diagnosis between kidney cancer and oncocytoma is often difficult before nephrectomy, it is more when it comes to a large tumor.

We report the case of a young patient (27 years old) who has a right renal tumor, discovered during an ultrasound done for a right upper quadrant mass was associated with low back pain and intermittent hematuria. The CT urography showed a right renal tumor (15 × 10 cm large axes). The patient had a right nephrectomy and anatomopathologic examination concluded a renal oncocytoma. With a follow-up of 1 year, the clinical and paraclinical control is normal (figures 1, 2 and 3).

Although it is a benign tumor, monitoring of renal oncocytoma is always indicated because of the risk of recurrence even late.
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**Figure 2**
The CT urography, right renal tumor

**Figure 3**
Intraoperative image