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IMAGE ARTICLE

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Pseudoaneurysm Formation after Laparoscopic Partial Nephrectomy

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The Laparoscopic Partial Nephrectomy (LPN) is the "gold standard" to management of small renal masses (Figure 1) [1,2]. The patient, a 38 year Male at 8th post-operatory day from right upper pole PN, presented at ER with a voluminous gross hematuria (Figure 2). The clinical diagnosis was a renal pseudoaneurysm. The patient was hemodynamically stable, and a medical approach was tried. After 12 hours of clinical management, the hematuria had not stopped. A transfemoral arteriography was done, and the Pseudoaneurysm diagnosis was confirmed (Figure 3). An intravascular embolization was performed (Figure 4) and the hematuria ceased in the day after.

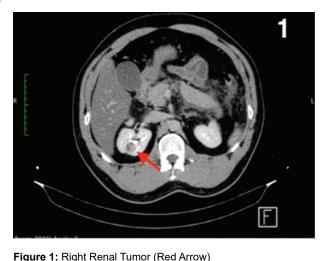
The patient had two small episodes of hematuria in the next 48 hours after the endovascular procedure. Those episodes were not After one and a half year of follow up, the patient has no oncologic or hematuria recurrence.

reflected in his hemodynamic status and laboratorial blood work.

The pseudoaneurysm after LPN is a rare event. It happens in only 2% or less of the patients [2]. The prompt diagnosis and treatment are crucial to avoid major complications [3].



Figure 2: Gross Hematuria (post-operatory Day 7 after Laparoscopic Partial Nephrectomy)



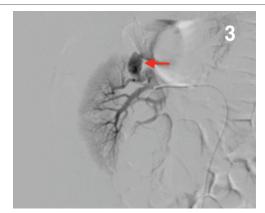


Figure 3: Upper Renal Pole Pseudo Aneurysm (before embolization)

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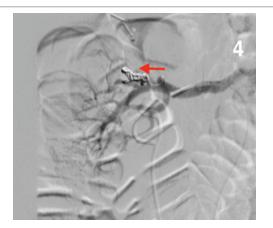


Figure 4: Upper Renal Pole Pseudo Aneurysm (after embolization)

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