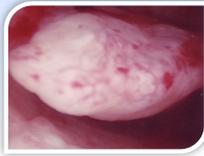


Uterine and vaginal polyps as metastasis of a renal clear cell adenocarcinoma : About Two cases



Dr Julien Bakenga¹,
Dr Julien Nivet²-Dr Catherine Genestie³



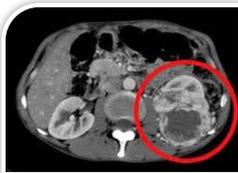
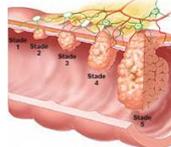
Introduction

Secondary cervical adenocarcinomas are most commonly seen in relation to the extension of primary endometrial adenocarcinoma.

Metastatic tumors from other sites are rather uncommon and, when seen, are most frequently from the ovaries, gastrointestinal tract, or breast

We report a case of renal cell carcinoma, clear cell variant, to the cervix, which presented as a cervical polyp in a postmenopausal female

To our knowledge, this is the fifth reported case of renal cell carcinoma metastatic to the cervix. This case is only the fourth in which the cervical metastasis was the presenting sign of renal cell carcinoma and the first in which the clinical presentation was as a cervical polyp



Tumeur du rein gauche

Case number 1

A postmenopausal patient of 66 years old was seen for postmenopausal hemorrhage.

The patient who was under non-steroid anti-inflammatory treatment was bleeding a lot.

The office exam shows a pediculated polyp of the cervix

A pelvic ultrasound was realized showing an intra-uterine polyp of 2cm x 1cm pediculated to the cervix

A hysteroscopy under general anesthesia was realized

The insertion of the polyp was isthmic of the uterus

The endometrium was normal

The resection of the polyps was done under saline serum and an endometrial sampling was done.

The pathology shows a polyp with markers related to clear cell. The primary origin suspected was a renal tumor

The patient under abdominal ultrasound showing a lower pole renal tumor of 14 cm

An abdomino-pelvic and chest CT scan has been realized—a lower pole renal tumor was found

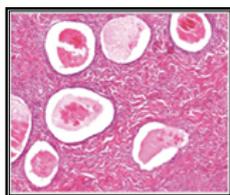
The patient underwent a left total nephrectomy

Pathology of the renal specimen reveals a clear cell renal adenocarcinoma

The PET scan reveals hepatic and pulmonary metastases

Actually the patient is under anti-angiogenic treatment

Three months later, after vaginal bleeding, two isolated vaginal polyps were found and resected—pathology shows that those two pediculated lesions were metastasis of clear cell renal adenocarcinoma—patient is still under treatment



Case 2

A postmenopausal patient of 54 years old was seen at the emergency room for vaginal bleeding

She had a recent history of being treated for right renal clear cell adenocarcinoma by nephrectomy two months ago

The exam shows a pediculated lesion of the inferior third of the vagina of 3 cm that was bleeding

A pelvic ultrasound didn't show any associated lesion in the uterus and the vagina

MRI shows another isolated vaginal lesion

A PET scan was done showing no other localization

An excision of lesions had been done under general anesthesia. The pathology conclusion was metastasis in relation with clear cell of renal adenocarcinoma

She went for anti-angiogenic treatment but died 6 months later from pulmonary metastases

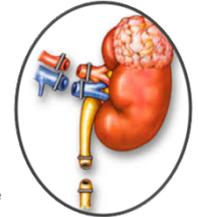
Literature Review

The literature review was done on PubMed with key words (renal adenocarcinoma in relation with uterine polyps and vagina) the association with vaginal localization is more frequent than with the uterine polyps

In conclusion, this is a very rare and uncommon situation that we are reporting

In most publications, when metastases are found in the pelvis, usually are found other sites of metastasis (lung, hepatic...)

This pelvic finding is in relation with a bad prognosis of the disease



Discussion

That unusual metastatic situation is usually seen in a multi-metastatic situation. Discovering a pelvic localization seems to deal with a bad outcome. Those two clinical cases are unusual but had been described. This is the fifth case ever described in literature



References

- Seske F. et al. *Metastasis from renal cell carcinoma to the cervix uteri* Scand J. Urol. Nephrol. 1998
- Dhingra KK et al. *Metastasis of cervical carcinoma to endometrial polyp: an interesting case report* Malys J. pathol. 2008
- Zafrakas M et al. *A rare case of renal cell carcinoma metastasizing to uterine cervix* Eur J Gynaecol Oncol 2009
- Bozaci EA et al. *Metachronous metastases from renal cell carcinoma to uterine cervix and vagina: case report and review of literature* Gynecol Oncol 2005
- Young RH et al. *From Krukenberg to today: the ever present problems posed by metastatic tumors in the ovary. Part II* Adv. Anat Pathol 2007
- Godfrey GJ et al; *Presentation of renal cell carcinoma as cervical polyp metastasis* J Low Genit Tract Dis 2010

1-Department of Gynecological surgery-Fief de Grimoire clinic-Poitiers France

2-Department of Urology-Polyclinic of Poitiers
3-Department of pathology-Gustav Roussy-Institute



Dr. Julien BAKENGA
Member of the Society of Robotic Surgery (S.R.S.)
and the Association of Urologists of Poitiers (A.U.P.)
and the Association of Urologists of Poitiers (A.U.P.)
and the Association of Urologists of Poitiers (A.U.P.)