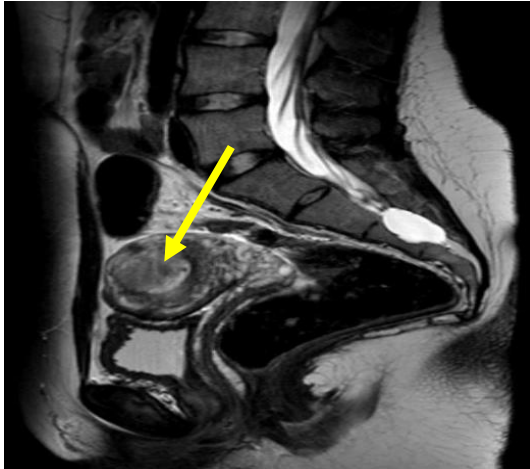


SCHOENEN S¹⁻², BUXANT F³, BUCELLA D⁴, SIRTAINE N⁵, GOFFIN F¹⁻².

1: Department of Gynecology, Centre Hospitalier Universitaire de Liège, Belgique. 2: Centre Belge de Référence des Maladies Trophoblastiques, Liège, Belgium. 3: Department of Gynecology, Ixelles Hospital, ULB Brussels, Belgium. 4: Saint Pierre University Hospital, ULB Brussels, Belgium. 5: Department of Pathology, Hôpital de la Louvière – Site Jolimont, Belgium.

INTRODUCTION: Placental site trophoblastic tumours (PSTT) account for 1-2% of gestational trophoblastic neoplasia. Surgery is the mainstay of treatment due to their **low chemosensitivity**¹.

CASE REPORT: A 31-year-old female patient was diagnosed with a 3cm uterine mass. Hysteroscopic biopsy revealed a PSTT. Her last pregnancy was 24 months ago and her serum human chorionic gonadotropin level was 109 IU/L. An abdominopelvic MRI, a chest CT and a brain MRI showed no abnormal lymph nodes or distant disease. Experts from the Belgian Reference Centre for Trophoblastic Diseases recommended total hysterectomy with pelvic and para-aortic lymphadenectomy. Final pathological results confirmed a PSTT tumour invading the uterine serosa with positive para-aortic lymph nodes. Adjuvant platinum-based chemotherapy EP/EMA was administered. The patient is in remission.



Abdomino-pelvic MRI: tumoral mass (arrow) infiltrating uterus serosa. No suspicious nodes.

+ PSTT: 6% N+

You won't find these positive nodes if you don't search for them!

DISCUSSION:

- Stage IV disease is a **poor prognostic factor** for PSTT²
- Lymph node involvement rate is **3.2 to 6%**²⁻³
- Para-aortic nodes are the **most common site**³
- Current guidelines do **NOT** recommend systematic lymphadenectomy¹, while preoperative imaging sometimes fails to identify positive lymph nodes.

Para-aortic nodes = n°1



CONCLUSION

Lymph node staging may be useful in some apparently early-stage PSTT for nodal detection, FIGO staging and adjuvant therapy.