Association between intestinal nodules of deeply infiltrating endometriosis, ovarian endometriosis and adenomyosis.

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The three types of endometriosis (ovarian, superficial and deeply infiltrating) could be associated in the same patient.

Adenomyosis shares some physiopathological mechanisms with endometriosis and should be considered when endometriosis is diagnosed.
The aim of the study was to describe the association between women with intestinal nodules and ovarian endometriomas (OMA) or adenomyosis.

OBJECTIVE
An observational study was designed in a tertiary university hospital (1 year)

Patients with suspected deeply infiltrating endometriosis (DIE)

Transvaginal ultrasound with bowel preparation

- DIE rectosigmoid
- Ovarian endometriomas
- Adenomyosis
Myometrial cysts
Ecogenic linear striations
Infiltration of juctional zone
Myometrial heterogeneity
Asimetric walls

>2 ultrasound criteria of adenomyosis
BOWEL PREPARATION

- three-day low-residue diet
- two enemas of 200 ml of sodium diphosphate
- one on the eve of the exam, and another one within 1 to 3 hours prior to the TVUS
- 6 hours fasting
132 patients were included in the study with a mean age of 36.6 ± 5.2 years.

- 51% of patients with OMA
- 58% of women with bowel involvement
- 62% of patients with adenomyosis
- 63% of patients with bowel infiltration

RESULTS

- Intestinal nodules
- Ovarian affection
- Intestinal nodules
- Adenomyosis
RESULTS

Odds Ratio (OR) to present rectosigmoid nodules when

- bilateral OMAs: 2.96 (1.11-7.87; p=0.03)
- adenomyosis: 2.64 (1.13-6.20; p=0.02)

When adherences of posterior DIE to the serosa layer of the rectum were also considered:

- 3.89 (1.27-11.95; p=0.02)
- 13.96 (3.85-50.66; p=0.01)
When bilateral OMAs are diagnosed, the likelihood of intestinal involvement is 3-fold compared with patients without ovarian affection.

Moreover, the OR to present bowel affection is 2.6 when ultrasound criteria of adenomyosis exist.

When adherences of posterior DIE nodules to the rectal wall were included in the analysis, the OR increases considerably, especially when adenomyosis is diagnosed.

Thank you