Letter to Editor

Beware of Artifacts Images Created by the Acoustic enhancement of the Endometria in Ultrasound Examination

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Dear Editor,

We send you this letter to describe our observation Beware of images built by the Acoustic enhancement coming from the endometrium.

We are writing this letter to report our observations during our daily practice of pelvic ultrasound in uterine, by ultrasound transabdominally. Uterine myomas are frequently found in women in reproductive age^[1] and of three types; submucosal, intramural and subserosal.^[2]

Our goal is to describe false images of posterior intramural myoma created by posterior echo reinforcements from the endometrium, the interest to do multiple sections on ultrasound transabdominally and endovaginal examination.

On 16 pelvic ultrasounds, performed by the ultrasound transabdominally, we found a rounded, echoic, well-limited image on the posterior face of the myometrium, without deformation of the uterine border or discharge of the uterine cavitary line. It is visible on the longitudinal and axial sections and gives a false image of myomatous nucleus. Indeed, this false image is created by the reinforcement of posterior echoes coming from the endometrium, which gives a contrast and delimiting the false lesion. The average thickness of the endometrium was 9.6 homogeneous, to which the Acoustic enhancement is major because the fluid component is

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important, compared to the fine endometers. The repetition of the different sections by the ultrasound transabdominally and supplemented by an endocavitary examination can remove the false image of myoma, We concluded that the practice and the repetition of the various sections on the uterus and the endovaginal examination make it possible to avoid false images of posterior intramural myomatous nucleus created by the reinforcement of the posterior echoes of the thickened endometrium.

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Conflicts of interest

There are no conflicts of interest.

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