

Ultrasound of urinary system deep endometriosis – a case series

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Objective : To describe patients sonographically diagnosed with Urinary System deep endometriosis (DIE) during years 2021-2022 in our medical center

Methods : Data was derived from medical file and telephone communication with the patients.

Results – ultrasound findings : 8 patients were diagnosed with urinary system DIE. 7 patients had Suspected urinary bladder DIE, 3 had suspected ureter involvement.

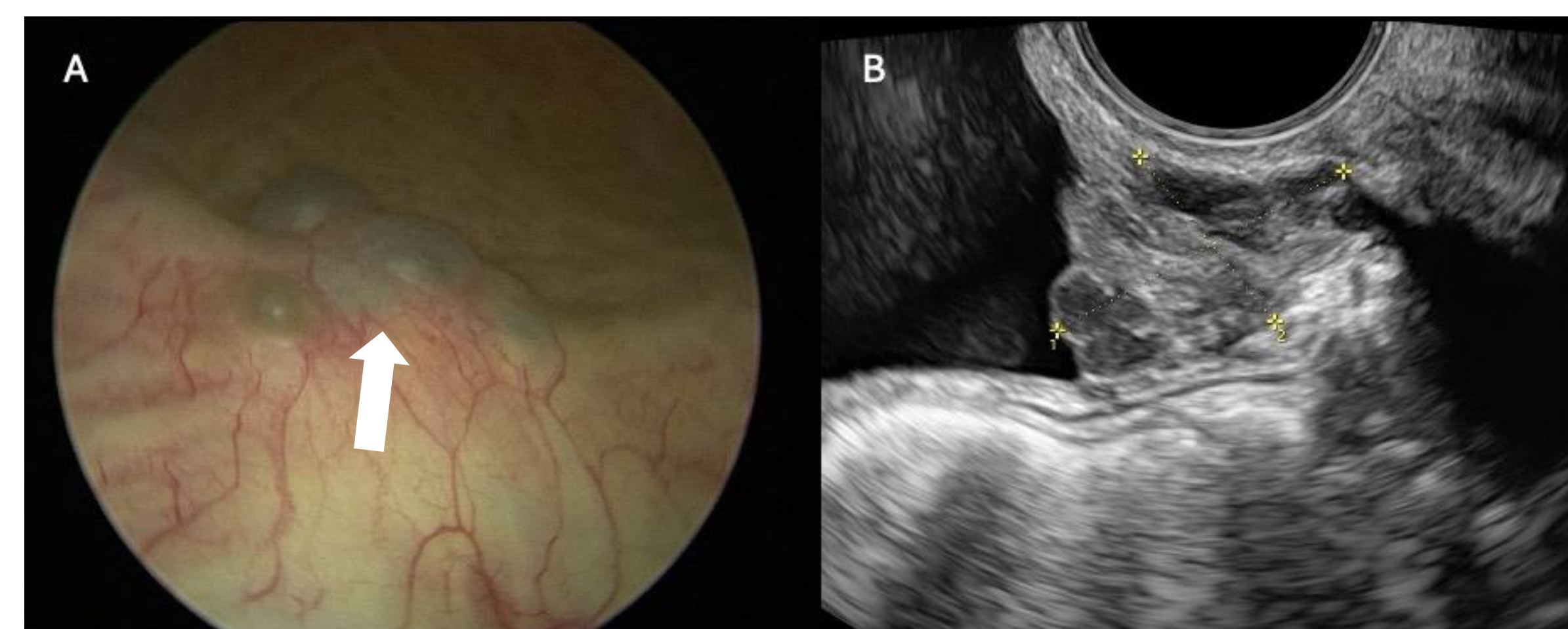
The majority of bladder DIE, 71% , had heterogenous echogenicity. And 85% of them were in the bladder Dome . In 42% of patients the foci was bulging anteriorly , with suspected deep infiltration of bladder wall by DIE .

In those patients, suspected DIE in other sites was common (71%) , mainly in the sacro-uterine ligaments (57%). Adenomyosis was suspected in 75% (6/8), of which 4 patients had subserous adenomyosis adjacent to bladder DIE.

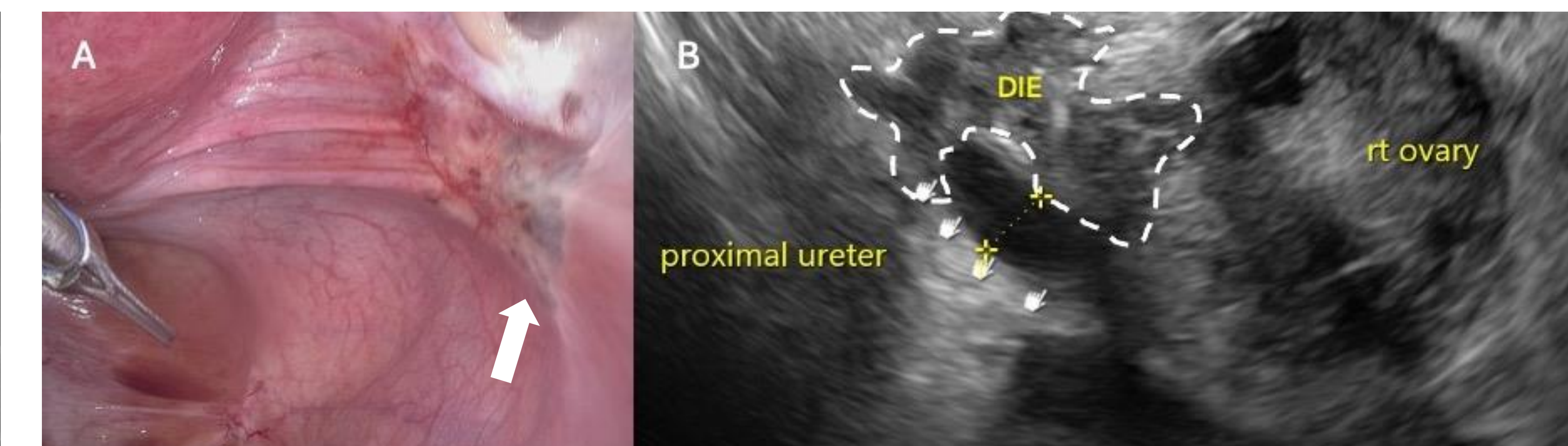
Results – management and outcome :

62% of the patients (5/8) underwent surgery, one patient had partial cystectomy. Urinary system DIE was confirmed in all 5 patients . 62% of patients received hormonal treatment. 1 patient conceived spontaneously .

At 1-1.5 years after examination, 75% had pain improvement, mostly partial or temporary improvement. 1 patient was asymptomatic



Bladder DIE (cystoscopy and ultrasound)



DIE involving ureter (laparoscopy and ultrasound)

Conclusions : In our small group of urinary system DIE patient, most urinary bladder DIE presented with heterogenic echogenicity and involved bladder dome. Diagnosis was confirmed in those surgically treated. Most patients remain symptomatic after treatment , with some degree of improvement of symptoms.