

Supplementary Table 1: Endometriosis categorization systems (rASRM, ENZIAN, EFI): strengths, limitations, and prognostic value (modified from doi: 10.53260/grem.201014)

	Strengths	Limitations	Prognostic value
rASRM	<ul style="list-style-type: none"> Globally most popular classification Simple to utilize Easy for patients to comprehend 	<ul style="list-style-type: none"> Arbitrary system of scoring Large differences in scores between categories The morphology of the disease is unknown Low reproducibility when ovaries and Douglas pouch are involved Observer mistake could exist It can be impacted by the timing and style of operation Restricted repeatability Ignores the progression of the illness or the use of hormone therapy Retroperitoneal structures and deep infiltrating endometriosis are poorly described 	<ul style="list-style-type: none"> Infertility, the standard of life, and symptoms do not correlate No relationship was found between the outcome of the treatment and the infertility
ENZIAN	<ul style="list-style-type: none"> Detailed explanation of the retroperitoneal structures and potential for preoperative assessment of deeply ingrained endometriosis Inadequate recognition globally No lesions' morphological description Challenging for patients and clinicians to comprehend 	<ul style="list-style-type: none"> Limited availability of global research Infertility, symptoms, and quality of life do not correlate well 	Poor association between treatment outcome and infertility result
EFI	<ul style="list-style-type: none"> Helpful for developing therapies for endometriosis-afflicted infertile women 	<ul style="list-style-type: none"> Does not take uterine anomalies into account 	<ul style="list-style-type: none"> Helpful in predicting the fate of fertility in women who have undergone prior endometriosis surgery Does not correspond with the sensations of pain

rASRM: Revised American Society for Reproductive Medicine, EFI: Endometriosis Fertility Index