### Medical and surgical therapy in treating adenomyosis





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# Adenomyosis: Definition

#### Two distinct forms:

- **Diffuse Adosis:** The invasion of endometrial glands and/or stroma within the myometrium
- Focal Adosis: Adenomyomata: circumscribed tumors made up of endometrium and muscle tissue

## **Adenomyosis: Prevalence**

#### Wide variations:

< 20%

> 50%

Adenomyosis: Risk factors	
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- Menstrual and reproductive factors	
- Health habiths	
- Surgical trauma	
Adenomyosis: Diagnosis	
- Hysterosalpingography	
- Hysteroscopy	
- Transvaginal ultrasonography	
- Magnetic resonance imaging	
- Myometrial biopsy	
Adenomyosis: Therapy choices	-
- Medical treatments	
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- Surgical treatments	
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Adenomyosis: Therapy choices	
- Medical treatments	
- Surgical treatments	
Adenomyosis: Medical treatments	
- Levonorgestrel intrauterine system (LNG-IUD)	
- Danazol – loaded intrauterine devices	
- Gn-RH agonists	
- Aromatase inhibitors	
Adenomyosis: Therapy choices	
- Medical treatments	
- Surgical treatments	

Adenomyosis	: Conservative su
Classification of C	Cullen
	-myoma uteri diffusum
- Adenomyomata,	Submucous
- Adenomyomata,	Where the uterus preserves
	a relatively normal contour
- Adenomyomata,	Subperitoneal or intraligamen
	Cu
Adenomyosis	: Conservative su
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Surgical manageme the type of uterine a	
	<b>,</b> <del>-</del>
Submucous	
Adenomyotous poly	p: Hysteroscopic res
Superficial ador	rocic: Endometrial chief:
Superficial adenomy	osis: Endometrial ablati followed by LNG-I
Adenomyosis	: Conservative su
Surgical management a the type of uterine ade	
the type of uterine ade	поттуотта
Intramural	
Deep (> 2.5 cm) ader	nomyosis: Hysterectomy
Focal adenomyoma:	Excision Hysterectomy
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# Adenomyosis: Conservative surgery

Surgical management according to the type of uterine adenomyoma

Subserous or subperitoneal

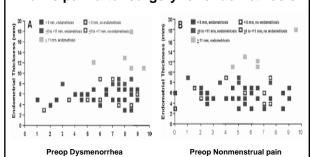
Superficial: Excision

Retrocervical, rectovaginal: Laparoscopic excision

# Fertility after laparoscopic colorectal resection for endometriosis (n = 22 patients)

Determinant	Women who conceived (n = 10)	Women who did not conceive (n = 12)	P value
Age (y) (median; range)	31 (29-35)	31 (30-42)	NS
Body mass index (kg/m²) (median, range)	21 (18-25)	23 (18-30)	NS
Follow-up (mo) (median, range)	26 (21-42)	22 (6-39)	NS
Current smokers	3/10	5/12	NS
History of oral contraception (y) (median, range)	7 (2-12)	5 (1-8)	NS
Prior infertility	5/10	7/12	NS
Duration of prior infertility (mo; median, range)	24 (6-72)	42 (24-120)	NS
Associated factors of infertility (male infertility; hormone dysfunction)	1/10	9/12	NS
Previous surgery for endometriosis	7/10	6/12	NS
Length of resected colorectal segment (cm) (median, range)	7 (6-10)	6.5 (4-14)	NS
Histological length of bowel endometriosis (cm) (median, range)	2.5 (1-5)	3.5 (1.5-7)	NS
Fallopian tube surgery	3/10	5/12	NS
Fallopian tube surgery  Cystectorny for endometricose Utestre adenomycese	3/10	4/12	NS
Uterine adenomyosis JN 5	0/10	4/12	.00

#### Pelvic pain after surgery for endometriosis



Parker et al., Fertil Steril (2006)

