

# Endometriosis impact on fertility



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# Endometriosis

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## What is it?

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The presence of  
endometrial-like tissue  
outside the uterus,  
which induces a chronic,  
inflammatory reaction



# Endometriosis

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## How common is it?

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Estimated:  
6-10% women of  
reproductive age

Up to 50% in infertile  
women

Although...



Giudice, et al 2010 NEJM

# What causes Endometriosis?:

lack of clear understanding

## Theories about its origin:

Retrograde Menstruation

Coelomic Metaplasia

Immune dysfunction

Genetics

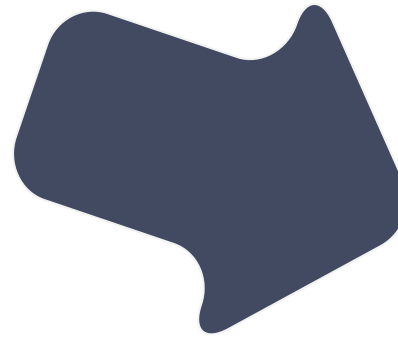
Stem cells

# Endometriosis

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What are the  
symptoms?



**Pain**

and

**Infertility**

# Endometriosis

No specific test to diagnose it

**Consider endometriosis if:**

**Dysmenorrhea (pain during menstruation)**

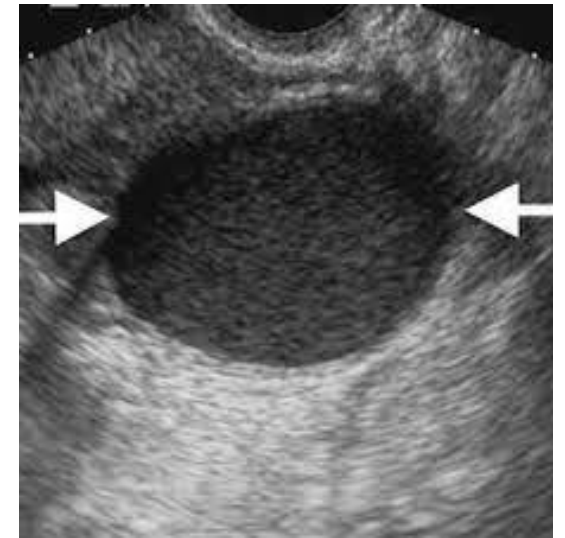
**Dyspareunia (pain during sexual intercourse)**

**Dysuria (painful or difficult urination)**

**Dyschesia (difficult or painful defecation)**

**Shoulder tip pain**

**Endometriotic cyst seen  
in ultrasound scan**

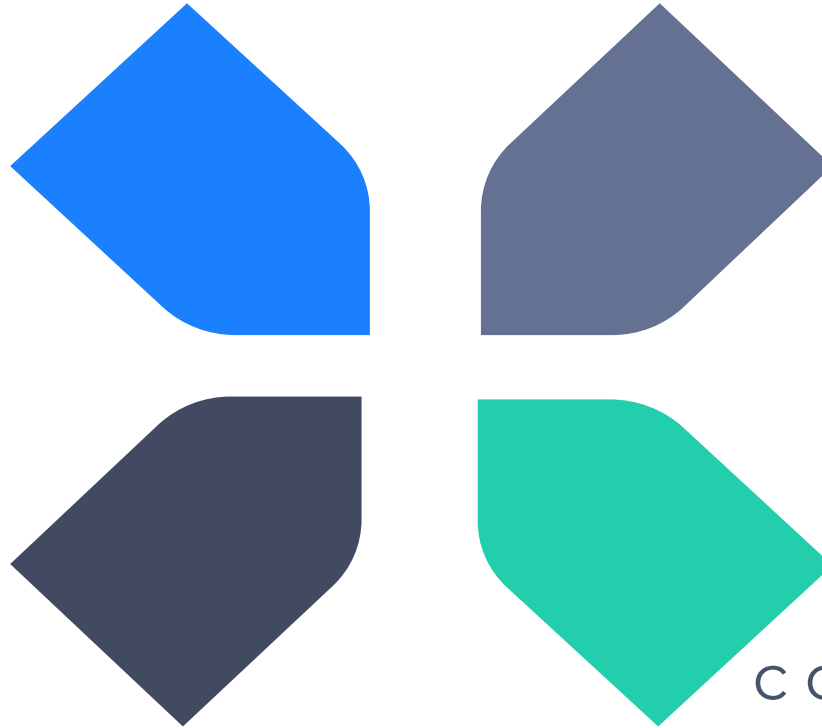


# How does endometriosis cause infertility?

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Affects Fallopian Tubes  
functionality

Negative impact on  
Oocyte quality

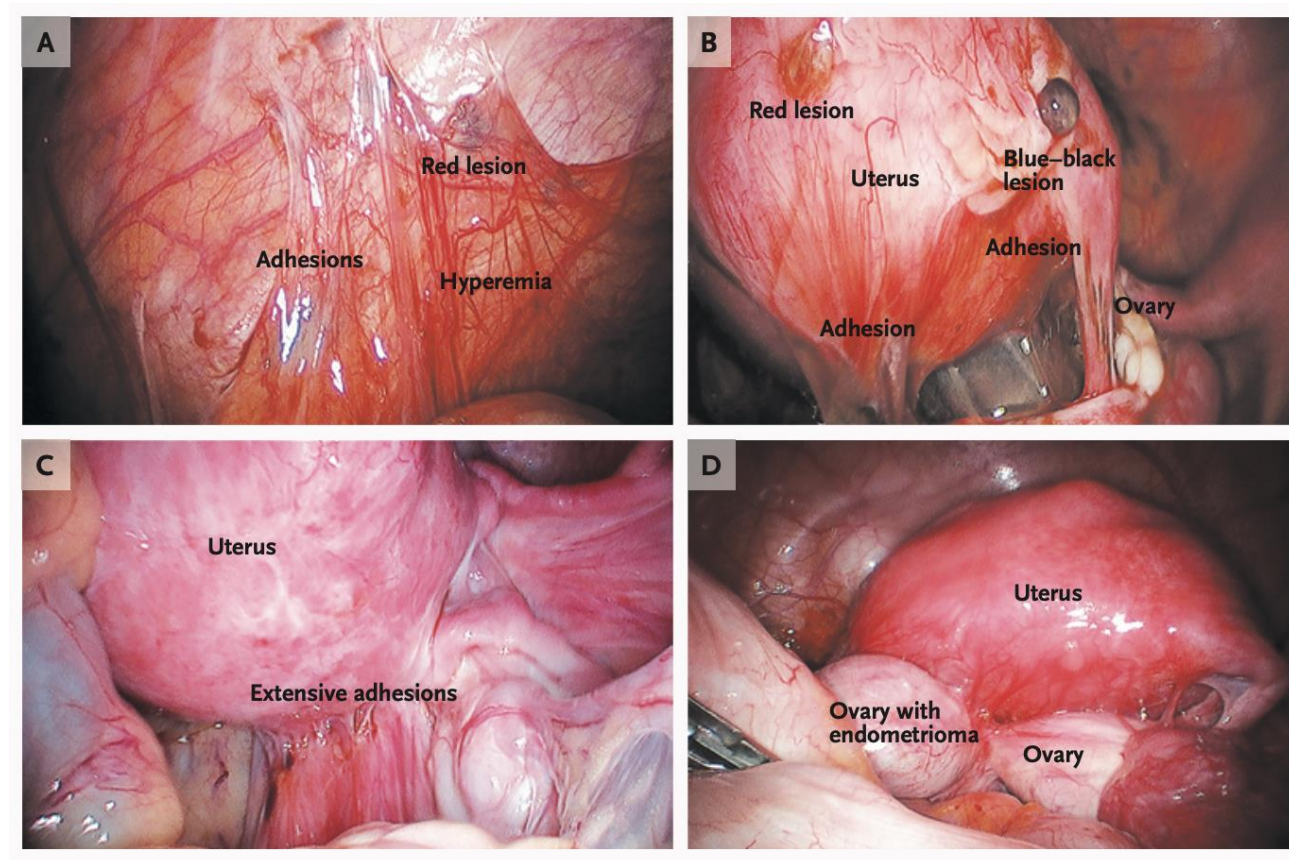


Negative impact  
on endometrial  
receptivity

Low Ovarian  
reserve is  
commonly observed

# Endometriosis

## Inflammatory reaction with adhesions



# Endometriosis

## How do you treat it?

### Pain:

**Analgesics**  
**Hormonal treatment**  
**Surgery**



### Infertility:

**IVF/ICSI treatment**



**Ovarian stimulation and IUI  
not recommended, proceed to  
IVF/ICSI treatment**

## Key Messages

Endometriosis is a relatively common condition in subfertile women

Endometriosis seems to have a negative impact on:

- tubal function
- endometrial receptivity
- oocyte quality
- ovarian reserve

Common symptoms in endometriosis:

- Pain (during menstruation and sexual intercourse)
  - Infertility

IVF/ICSI is the treatment of choice for subfertility in endometriosis and can be performed at ART Fertility Clinics

# Thank You



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