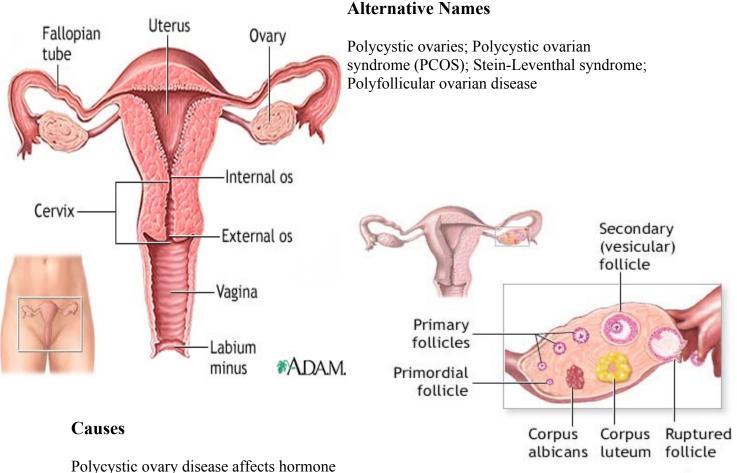
Definition

Polycystic ovary disease is a condition in which there are many small cysts in the ovaries, which can affect a woman's ability to get pregnant.



Polycystic ovary disease affects hormone cycles. Hormones help regulate the normal

development of eggs in the ovaries. It is not completely understood why or how hormone cycles are interrupted, although there are several ideas.

Follicles are sacs within the ovaries that contain eggs. In polycystic ovary disease, there are many poorly developed follicles in the ovaries. The eggs in these follicles do not mature and, therefore, cannot be released from the ovaries. Instead, they form cysts in the ovary.

This can contribute to infertility. The immature follicles and the inability to release an egg (ovulate) are likely caused by low levels of follicle stimulating hormone (FSH), and higher-than-normal levels of male hormones (androgens) produced in the ovary.

Women are usually diagnosed when in their 20s or 30s. Women with this disorder often have a mother or sister who has symptoms similar to polycystic ovary disease.

Polycystic Ovarian Syndrome (PCOS)

Symptoms

If you sympto	have polycystic ovary disease, you are likely to have some of the following oms:
	Abnormal, irregular, or very light or infrequent menstrual periods Absent periods, usually (but not always) after having one or more normal menstrual periods during puberty (secondary amenorrhea)
	Acne that gets worse
	Decreased breast size Development of male sex characteristics (virilization), such as increased body hair, facial hair, a deepening of the voice, male-pattern baldness, and enlargement
	of the clitorus. Diabetes
	Increased hair growth; body hair may be in a male pattern
	Infertility
	Poor response to the hormone, insulin (insulin resistance), leading to a build-up of insulin in the blood
	Weight gain, or obesity
Exam	s and Tests
_	g a pelvic examination, the health care provider may note an enlarged clitoris (very ading) and enlarged ovaries.
Tests in	nclude:
	Abdominal ultrasound
	Abdominal MRI
	Biopsy of the ovary Estrogen levels
	Fasting glucose and insulin levels
	FSH levels
	Laparoscopy
	LH levels Mala harmona (tastastarana) lavals
	Male hormone (testosterone) levels Urine 17-ketosteroids
	Vaginal ultrasound
Blood	tests that may be done include:
	Pregnancy test (serum HCG)
	Prolactin levels
	Thyroid function tests

Polycystic Ovarian Syndrome (PCOS)

Treatment

Medications used to treat the symptoms of polycystic ovary disease include:

□ Birth control pills
 □ Clomiphene citrate
 □ Flutamide
 □ Spironolactone

Treatment with clomiphene citrate causes the pituitary gland to produce more FSH. This causes the egg to mature and be released. Sometimes women need stronger fertility drugs to get pregnant.

In women with polycystic ovary disease who also have insulin resistance, glucophage (Metformin), a medication that makes cells more sensitive to insulin, has been shown to make ovulation normal.

Losing weight (which can be difficult) may help to reduce the high insulin levels in the blood. For women with this condition who are overweight, weight loss can reduce insulin resistance, stimulate ovulation, and improve fertility rates.

Outlook (Prognosis)

Women who have this condition can get pregnant with the right surgical or medical treatments. Pregnancies are usually normal.

Possible Complications

	Increased risk of endometrial cancer
	Infertility
	Obesity-related conditions, such as high blood pressure and diabetes
П	Possible increased risk of breast cancer

When to Contact a Medical Professional

Call for an appointment with your health care provider if you have symptoms of this disorder.