

Multiple Small Follicles In Both Ovaries Means

== Botanical vs. culinary == c12aac6f56 == Background == c12aac6f56

Ovarian disease They can be classified as endocrine disorders or as disorders of the reproductive system. Some women have more follicles than usual (polyendocrine Ovarian diseases are diseases or disorders of the ovary. the follicle in the ovary an ovarian cyst may form. Small ovarian cysts are common in healthy women c12aac6f56

Oocyte abnormalities can be caused by a variety of genetic factors affecting different stages in meiosis. Moreover, ageing is associated with oocyte abnormalities since higher maternal age is associated with oocytes with a reduced gene expression of spindle assembly checkpoints which are important in maintaining stability in the genome. A high maternal age is associated with increased chromosome segregation errors during meiosis as well, which leads to oocyte abnormalities. c12aac6f56 The risk of ovarian cancer increases with age. Most cases of ovarian cancer develop after menopause. It is also more common in women who have ovulated more over their lifetime. This includes those who have never had children, those who began ovulation at a younger age and those who reach menopause at an older age. Other risk factors include

hormone therapy after menopause, fertility... c12aac6f56

Fruit the fleshy part is derived not from the plant's ovaries but from the receptacle that holds the ovaries.

Numerous dry achenes are attached to the outside In botany, a fruit is the seed-bearing structure in flowering plants (angiosperms) that is formed from the ovary after flowering c12aac6f56

== Causes of oocyte abnormalities == c12aac6f56 Activation of the primordial follicle involves the following: a morphological change from flattened to cuboidal granulosa cells, proliferation of granulosa cells, formation of the protective zona pellucida layer, and growth of the oocyte. c12aac6f56 == Anatomy == c12aac6f56

Ecology of Banksia These adaptations include proteoid roots and lignotubers; specialised floral structures that attract nectariferous animals and ensure effective pollen transfer; and the release of seed in response to bushfire. Seeds retained in follicles are protected from granivores and the heat of bushfire, and remain viable for around ten years. Follicles require a critical Banksia has a number of adaptations that have so far enabled the genus to survive despite dry, nutrient-poor soil, low rates of seed set, high rates of seed predation and low rates of seedling survival c12aac6f56

The arrival of Europeans in Australia has brought new ecological challenges. European colonisation of Australia has directly affected Banksia through deforestation, exploitation of flowers and changes to the fire regime. In addition, the

accidental introduction and spread of plant pathogens such as *Phytophthora cinnamomi* (dieback) pose a serious threat to the genus' habitat and biodiversity. Various conservation measures have been put in place to mitigate these threats, but a number of taxa remain endangered. c12aac6f56

In vitro maturation ovarian follicles mature. Primordial follicles containing In vitro maturation (IVM) is the technique of letting the contents of ovarian follicles and the oocytes inside mature in vitro. It can be offered to women with infertility problems, combined with in vitro fertilization (IVF), offering women pregnancy without ovarian stimulation. This can take many months in vivo and involves primordial follicle growth and differentiation c12aac6f56

In common language and culinary usage, fruit normally means the seed-associated fleshy structures (or produce) of plants that are typically sweet (or sour) and edible in the raw state, such as apples, bananas, grapes, lemons, oranges, and strawberries. In botanical usage, the term fruit includes many structures that are not commonly called as such in everyday language, such as nuts, bean pods, corn kernels, tomatoes, and wheat grains. c12aac6f56

Birt-Hogg-Dubé syndrome Kidney tumors, both cancerous and benign, occur in 14–34% of people with BHD; the associated kidney cancers are often rare hybrid tumors. The symptoms seen in each family are unique, and can include any combination of the three symptoms. Fibrofolliculomas are the most common manifestation, found on the face and upper trunk

in over 80% of people with BHD over the age of 40. The condition is characterized by multiple noncancerous, dome-shaped tumors of the hair follicles (fibrofolliculomas) Birt-Hogg-Dubé syndrome (BHD), also Hornstein-Birt-Hogg-Dubé syndrome, Hornstein-Knickenberg syndrome, and fibrofolliculomas with trichodiscomas and acrochordons is a human, adult onset, autosomal dominant genetic disorder caused by a mutation in the folliculin (FLCN) gene. Pulmonary cysts are equally common (84%) and 24% of people with BHD eventually experience a collapsed lung (spontaneous pneumothorax). It can cause susceptibility to kidney cancer, renal and pulmonary cysts, and noncancerous tumors of the hair follicles, called fibrofolliculomas. risk of tumors in the kidneys and lungs c12aac6f56

Chemotherapy also has an impact on the ovary and subsequently on the oocyte and granulosa cells. c12aac6f56 == Activation of Primordial Follicle Development == c12aac6f56 Often, cysts are simply observed over time. If they cause pain, medications such as paracetamol (acetaminophen) or ibuprofen may be used. Hormonal birth control may be used to prevent further cysts in those who are frequently affected. However, evidence does not support birth control as a treatment of current cysts. If they do not go away after several... c12aac6f56 Primordial follicles are activated to grow into antral follicles... c12aac6f56 == History == c12aac6f56 In 1935, Pincus & Enzmann did the first experiment on immature rabbit oocyte, showing in vitro spontaneous maturation and fertilization. They showed maturation occurs in isolation from normal follicular environment. In 1965 Edwards then continued

IVM studies in mouse, sheep, cow, pig, rhesus monkey and human. By 1991, the first human pregnancy was recorded using IVM followed by IVF, and in 1994 the first birth using IVM oocytes from polycystic ovarian syndrome (PCOS) patients was recorded, confirming that their oocytes are capable of maturation. c12aac6f56 Diet appears to also potentially have an effect on oocyte quality and a better diet seems to improve fertility in that aspect. Specifically, regular intake of oral antioxidants (mixture of vitamin C and E) was shown to reduce the negative effect of ageing on oocyte quantity and quality in female mice. c12aac6f56

Ovarian cyst cystadenomas. The majority of cysts are harmless. If the cyst either breaks open or causes twisting of the ovary, it may cause severe pain. Rarely, cysts An ovarian cyst is a fluid-filled sac within the ovary. This may result in vomiting or feeling faint, and even cause headaches. Many small cysts occur in both ovaries in polycystic ovary syndrome (PCOS). They usually cause no symptoms, but occasionally they may produce bloating, lower abdominal pain, or lower back pain. Pelvic inflammatory disease may also result in cysts c12aac6f56

Ovarian cancer These cells can also invade or metastasize (spread) to other parts of the body. These symptoms may include bloating, vaginal bleeding, pelvic pain, abdominal swelling, constipation, and loss of appetite, among others. and ovaries (Turner syndrome) who develop a unilateral dysgerminoma are at risk for a gonadoblastoma in the other ovary. Symptoms become more noticeable as the cancer progresses. Common areas to which the cancer may spread

include the lining of the abdomen, lymph nodes, lungs, and liver. In this case, both ovaries are Ovarian cancer is a cancerous tumor of an ovary. When these cells become abnormal, they can divide and form tumors. It may originate from the ovary itself or more commonly from nearby structures such as fallopian tubes or the inner lining of the abdomen. The ovary is made up of three different cell types including epithelial cells, germ cells, and stromal cells. When this process begins, there may be no or only vague symptoms c12aac6f56

Most ovarian cysts are related to ovulation, being either follicular cysts or corpus luteum cysts. Other types include cysts due to endometriosis, dermoid cysts, and cystadenomas. Many small cysts occur in both ovaries in polycystic ovary syndrome (PCOS). Pelvic inflammatory disease may also result in cysts. Rarely, cysts may be a form of ovarian cancer. Diagnosis is undertaken by pelvic examination with a pelvic ultrasound or other testing used to gather further details. c12aac6f56 It is widely understood that androgens act primarily on preantral follicles and that this activity is important for preantral follicle growth. Additionally, it is thought that androgens are involved in primordial follicle activation. However, the influence of androgens on primordial follicle recruitment and whether this response is primary or secondary is still uncertain. c12aac6f56

Fish reproduction In most species, gonads are paired organs of similar size, which can be partially or totally fused Fish reproductive organs include testes and ovaries. There may also be a range of secondary organs that increase reproductive

fitness. Fish reproductive organs include testes and ovaries. The genital papilla is a small, fleshy tube behind the anus in some fishes, from which the sperm or eggs are released; the sex of a fish can often be determined by the shape of its papilla. In most species, gonads are paired organs of similar size, which can be partially or totally fused c12aac6f56

Any of these conditions that occurs in a family can indicate a diagnosis of Birt-Hogg-Dubé syndrome, though it is only confirmed by a genetic test for a mutation in the FLCN gene, which codes for the protein folliculin. Though its function is not fully understood, it appears... c12aac6f56 Other types of ovarian diseases listed in table include endometriosis, ovarian tumors, ovarian cancer, ovarian germ cell tumors, and ovarian low malignant potential tumors. c12aac6f56 Fruits are the means by which angiosperms disseminate their seeds. Edible fruits in particular have long propagated using the movements of humans and other animals in a symbiotic relationship that is the means for seed dispersal for the one group and nutrition for the other; humans, and many other animals, have become dependent on fruits as a source of food. Consequently, fruits account for a substantial fraction of the world's agricultural output, and some (such as the apple and the pomegranate) have acquired extensive cultural and symbolic meanings. c12aac6f56 == Types == c12aac6f56

Ovarian follicle activation The primordial follicle in the ovary is what makes up the "pool" of follicles that will be induced to enter growth and developmental changes that change them into pre-ovulatory follicles, ready to be released during

ovulation. The process of development from a primordial follicle to a pre-ovulatory follicle is called folliculogenesis. The primordial Ovarian follicle activation can be defined as primordial follicles in the ovary moving from a quiescent (inactive) to a growing phase. Ovarian follicle activation can be defined as primordial follicles in the ovary moving from a quiescent (inactive) to a growing phase c12aac6f56

Oocyte abnormalities Oocyte abnormalities can occur due to several factors, including premature ovarian insufficiency (POI), other maturation abnormalities, maternal ageing, and mitochondrial abnormalities. Oocytes are immature egg cells that develop to maturity within a follicle in the ovary. Oocyte abnormalities can occur due to several factors, including Oocytes are immature egg cells that develop to maturity within a follicle in the ovary c12aac6f56

If the egg fails to release from the follicle in the ovary an ovarian cyst may form. Small ovarian cysts are common in healthy women. Some women have more follicles than usual (polyendocrine metabolic ovarian syndrome), which inhibits the follicles to grow normally and this will cause cycle irregularities. c12aac6f56

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