Super Bazongas
Botanical Breast Enlargement (Draft release)

https://breast.is
Dynseli

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Super Bazongas
Botanical Breast Enlargement
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Dynseli

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The reader should regularly consult a physician in matters relating to her/his health and particularly with respect to any symptoms that may require diagnosis or medical attention. It is inadvisable to diagnose yourself for treatment, for example about imbalances; see a medical professional in that case.

Information or suggestions in this book are not intended for conceiving, pregnant, or lactating women, and for those with poor physical or mental health.

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I Biology

Breast Development

The hormones of estrogens, progestogens, and prolactin influence breast tissue through Estrogen Receptor Alpha (ERα), Progesterone Receptor B (PRB), and Prolactin Receptor (PrlR). As each receptor is positively stimulated by its respective hormone, it also becomes desensitized. There are more receptor types in the breast that cannot be ignored due to health reasons, but those mentioned above regulate breast tissue.

Positive estrogenic stimulation, or agonism, of ERα causes lengthening of milk ducts. Branching of milk ducts, which increases the amount of end buds, is caused by progestogenic agonism on PRB. The initial formation of milk lobules converted from the end of milk ducts and their continued growth is caused by prolactin’s effects on PrlR. Progesterone also has a role in differentiation, or conversion of end points into milk lobules, by influencing prolactin, during the luteal phase.

Of ERα, PRB, and PrlR, their non-respective hormone enhances each hormone's response to its respective hormone, known as receptor upregulation. Without this synergistic action, the response to a receptor's own specific hormone dulls with quantity or potency, known as receptor downregulation. Too much of a potent hormone may possibly damage its own and other interacting receptors. An imbalance of too much of one type of hormone is a cancer risk. The breast contains more types of cell receptors, but the mentioned above are the focus here.

Endocrinology

Outside of the secretory (part of luteal) phase or pregnancy, progesterone amounts in the body are existent (due to the adrenal glands), but negligible. Progesterone is produced by the corpus luteum, which is a temporary organ whose function is to signal to the pituitary gland to momentarily prevent menstruation, for purposes of maintaining fertilization or pregnancy. The pituitary gland releases prolactin, which signals the corpus luteum (and if during pregnancy, the placenta) to release more progesterone, creating a feedback loop. If the egg is not fertilized, the corpus luteum dies within the ovaries, then this signals for the pituitary to release Follicle Stimulating Hormone (FSH) instead of prolactin, allowing the menstrual cycle to proceed. Luteinizing Hormone (LH) is released later to continue the egg’s preparation. The ovaries also produce estrogens and progesterones during the luteal phase and pregnancy. Progesterone increases prolactin, and prolactin lowers FSH and LH.

Estrogens are formed from androgens through a process called aromatase, and this happens within ovary, egg, bone, brain and adipose tissue.
II Hormone Imbalances

Here is about hormone balance and some of their manifestations. Serum prolactin, progesterone and estrogen levels work synergistically for breast maintenance, and their proportion is important throughout the cycle. There are more hormones that play a role in the health of the human body.

LH, FSH and Androgens

Prolonged or heavy periods can be explained by low prolactin and abnormally high Follicle Stimulating Hormone (FSH). FSH and Luteinizing Hormone (LH) allow menstruation and ovulation to continue. Light or a delay in menstruation can be explained by high prolactin levels.

High amounts of androgens, high amounts of LH, a presence of hirsutism, and poor insulin sensitivity are associated with polycystic ovary syndrome (PCOS). It is uncertain if a lack of aromatase (the conversion of androgens into estrogens), or if too much aromatase which is coupled with high amounts of androgens contribute to PCOS. Exercise is commonly used as a treatment for PCOS to lower abnormal amounts of androgens caused by negative feedback due to insulin insensitivity.

Androgen insufficiency in women is rare, except in late reproductive years and afterwards. A few symptoms of adrenal insufficiency are fatigue, loss of libido, loss of appetite and nauseousness. Adrenal androgens play a role in women’s health, for instance, for causing growth spurts during puberty.

Fertility

A prolonged excessive imbalance of hormones can cause reduced fertility, and that is a risk for sterility. Low levels of LH and FSH, usually as a result of high levels of prolactin, cause diminished fertility. Both progesterone and prolactin are capable of pausing the menstrual cycle for pregnancy or nursing, as are also their roles in the luteal phase. High progesterone and prolactin, with the absence of LH, FSH, and possibly androgens cause symptoms consistent with shrinkage of the ovaries. Estrogenic compounds in the presence of high prolactin and progesterone, in the absence of LH and FSH, further reduce fertility. In cases of ovarian shrinkage, reduced fertility can often be reversed, until if sterility occurs. An imbalance of low estrogen levels is consistent with primary ovarian insufficiency (POI), and it is uncertain if this is related to what is described above.

Infertility due to hormones are not limited to progesterone and prolactin excesses. PCOS and endometriosis (uterine tissue growing outside the uterus) are also associated with infertility.

Severe PCOS can cause damage to the ovaries. PCOS is consistent with abnormally high LH and androgen levels, which are consistent with low levels of prolactin. It is uncertain whether estrogen conversion contributes to or alleviates PCOS.
Progesterone deficiency or insensitivity of the reproductive tract, and abnormally high levels of bodily estrogen contribute to endometriosis. Severe endometriosis may block passage ways needed for fertilization.

There may be other hormonal imbalances that cause reproductive changes which contribute to lack of fertility. Not all infertility cases can be determined by symptoms of menstrual irregularity.

**Theories on Cancer Treatments**

When a well intended cancer treatment works against a specific cancer, the cancer's receptors usually become desensitized. This situation is also seen in the analogies of steroid and drug use, where more and more is needed to get a desired effect to a diminished body response and diminishing ability for bodily regulation. With receptor targeted therapy, the receptor must be re-sensitized for a cancer therapy to remain effective. This often seems to be the case in receptor negative types of cancer. Otherwise, a stronger medicine is given, and it becomes less and less effective. Not all substances with a specific hormone attribute have anti-cancer properties to be used for re-sensitization of receptor responses. This idea was extended from a few studies about upregulating specific receptors for more effective cancer treatment.

It is thought that insoluble dietary plant fiber, which otherwise cannot be absorbed into the bloodstream, is digested by intestinal flora to produce anti-cancer chemicals which enter the body.

**Premenstrual Syndrome**

Premenstrual syndrome (PMS) can occur during the late luteal phase. It is commonly recommended to lower salt intake and to avoid alcohol during this time.

Low levels of progestogens allopregnanolone, pregnenolone, pregnanolone and 5α-dihydroprogesterone are associated with negative mood during the late luteal phase. Pregnenolone is the precursor to progesterone, which suggests that not enough progestogens were being converted for hormonal balance. Progestogens allopregnanolone and 5α-dihydroprogesterone are neurosteroids formed by 5α-reductase from other progestogens that help the brain cope with stress during the luteal phase. Alcohol may cause problems, because it decreases allopregnanolone levels during this time.

My hypothesis is that premenstrual syndrome is associated with the monthly disintegration of the corpus luteum during the second week of luteal phase. The corpus luteum produces the majority of progestogens in the human body, and lack of certain progesterones are associated with negative symptoms. It is during the second week of luteal phase, when progesterone levels drop due to an absence of the corpus luteum, and this perhaps help create hormone imbalances that are not fully understood.

Lowering salt intake is commonly recommended to reduce PMS bloating. Many symptoms can be attributed to high levels of the mineralocorticoid aldosterone, which is a breakdown product of
progestogens formed by the adrenal gland. Aldosterone influences the body to retain liquids and sodium, but it also causes loss of potassium. High amounts of potassium salt were also surprisingly associated with PMS symptoms. These imbalances may be responsible for bodily swelling as well.

**Physical**

A history of hormonal inconsistencies can be related to breast conditions. Prolactin influences mammary gland size which possibly then influences nipple or areola development. Estrogen causes the extension of ducts, which allows room for branching by other hormones. In theory, a lack of bodily prolactin, and possibly an excess of estrogen can be a cause for inverted nipple. Ductal elongation is caused by estrogen, so a consistent higher proportion of estrogen to prolactin or progesterone can explain the shape of tuberous breasts. History of menstrual irregularities may be common with tuberous breasts or inverted nipples.
III Precautions

This chapter is about the importance of health, and precautions or care to be taken when using herbs.

Prolonged excessive hormone imbalance is a health, including a cancer, risk. Hormone excess can also cause fibrotic breasts, and cell receptor desensitization. Menstrual irregularities may signify hormone imbalances.

Prolactin or progesterone imbalances may aggravate mood disorders. For one, prolactin and dopamine influence each other. The brain also reacts to hormones on its own.

For post-menopausal women, progesterone levels are typically low. During this time, there is a lack of menstrual cycling to hint at hormone levels which has to be taken into consideration.

It is important to eat whole foods including grains, fruits and vegetables to reduce the risk of cancer.

Herbs and Fertility

An excessive hormone imbalance is a fertility risk.

An excess of herbs that directly increase prolactin levels have the capability to shrink the gonads which can eventually lead to the occurrence of sterility. Clover, hops and possibly the mycotoxin ZEN are capable of shrinking the gonads. Hops and clover raise prolactin levels. Lowered birth-weight of animals is anecdotal evidence of prolactin properties of ZEN, which is considered a mycoestrogen. For animals grazing on clover, this outcome of reduced fertility has been known as “clover disease.” Farm animals that were fed clover and were administered estrogen had less offspring than animals that just ate clover by itself. Based on clover's stronger effects on ER-beta in the reproductive tract than hops, clover's infertility effects appear to be more potent than hops. An excess of prolactin or progestogenic herbs coupled with low levels of LH and FSH, as described in the previous chapter, are a risk for infertility. Be aware of symptoms of low androgens or low fertility. Herbs that raise LH, FSH and subsequently, androgens are supposed to remedy this problem.

An imbalance of low estrogen levels is consistent with adverse symptoms of primary ovarian insufficiency (POI). It is uncertain the effects that other hormone imbalances have on issues related to POI.

Also, be cautious with herbs that alter other hormones. High amounts of androgens, LH, and possibly FSH can increase the incidence of PCOS, and this is a risk for infertility. There is uncertainty whether lack of estrogen conversion or high amounts of estrogen contribute to PCOS. FSH and LH are responsible for egg release and preparation. An excess of serum FSH, which can be triggered by LH, can cause multiple egg release, potentially allowing multiple pregnancies if conceiving. Also, contractions are caused by significant serum levels of FSH and LH, which is a risk to an existing pregnancy.
Be aware of symptoms of itchy skin, and hot flashes. Itchy skin can be caused by taking excessive prolactin or progestogenic herbs. Itchy skin signifies reduced fertility, but it is also a symptom of pregnancy. Hot flashes are typical during pregnancy, perimenopause and menopause, but it can also happen from herb use during secretory (luteal) phase. It seems that this is a result of an extreme ratio of high progesterone to lower estrogen. Progesterone raises body temperature, and hot flashes typically occur when estrogen synthesis decreases, or when progesterone production drastically increases. Some literature disagrees on whether progesterone or estrogen treatment should be used to treat hot flushes. Try to avoid itchy skin and hot flashes related to herbal breast enhancement, but if it happens, it is important to stop taking herbs immediately.

Other abnormal levels of hormones may have an effect on fertility too.

**Standard Warnings**

Avoid herbs and extracts which easily become toxic, as they are also useless or unnecessary. An example of a dangerous herb is Kava which can easily cause organ failure.

There is the consideration that oil extracts are many times potent than whole herb or other extracts of herbs, leading to safety concerns. The botanical recommendations from this ebook will be limited to unconcentrated herb or herbal tea. Mint and other extracts or concentrates in minuscule amounts can also cause organ failure. Lavender oil and tea tree oil can only be used topically after being diluted.

The reader is responsible for researching ingredient safety, and for using prudence. Please read product instructions, if applicable, and check safety for herbal extracts. Also, check herb interactions with medications or other herbs. Only ingest food grade botanicals in small amounts, and do not ingest herbs that have dubious properties. Any supplement should be taken with plenty of water.

See the previous chapters, the disclaimer, and [https://breast.is/appendix/precautions](https://breast.is/appendix/precautions) for more.
IV Botanical

Progesterone, estrogen, and prolactin work synergistically to influence breast tissue through receptors ERα, PRB, and PrlR. Evidence suggests, small amounts of hormones upregulate their irrespective hormone receptors, allowing their respective receptors to continue to have an effect. While a hormone activates its respective receptor, it also reduces its sensitivity. An overload, especially of potent hormones, may decrease sensitivity of all involved receptors. It is important to cycle botanicals according to their phytohormone property in small amounts, to use them in proportionate combinations, and to take breaks.

The rest of this chapter will look at practical effects of herbs on hormones, menstrual cycles and direct influence on breasts. An herb may have various properties, causing specific body tissues to react differently. Herbs will be described by their effects on regulating steroidal hormones which influence the breast. We will also look at herbs' ultimate effect on breast receptors ERα, PRB, and PrlR. Labels of phytoestrogens, phytoprogestogens and botanical prolactin will often be replaced with more specific effects relating to breast enhancement.

ERβ (Estrogen Receptor Beta), PRA (Progesterone Receptor A) and other receptors in the breast and body cannot be ignored due to health and hormone balance.

Application

We see how receptors ERα, PRB, and PrlR react to progesterones, estrogens, and prolactin. The idea is for these representative phytohormones to be present in balanced amounts to ultimately activate receptors while keeping them from being desensitized too much. There are three types of hormonal effects from herbs: the human hormone it influences (raises/lowers), the hormone receptor it modulates (sensitizes/desensitizes), and the hormone receptor it acts (usually weakly) directly on. A herb can have more than one of each type of property for multiple receptors, hormones or actions. Usually, a herb will sensitize many hormone receptors. For instance, hops is mildly estrogenic, increases prolactin, and it increases sensitivity of ERα, and PRB. Including herbs with phytohormones that act directly on select receptors during the right times is used to further gains, and to help maintain gains that would otherwise mostly be temporary. If certain receptors are not mildly desensitized by an agonist after there is noticeable breast growth, the next phase of the cycle will cause these gains to be temporary due to opposing effects on these receptors. Once a response stops working, it is time to stop taking that herb, because further receptor desensitization is counterproductive and a health risk.

Be aware of symptoms of low or excess androgens, or any other hormone imbalance. Some herbs more directly increase aromatase, while other herbs increase aromatase as a secondary function of raising androgens. LH and FSH raising herbs should be balanced with prolactin raising herbs. The hormones LH, FSH, and prolactin are gonadotrophins (hormones released by the pituitary), so these must be
balanced so that these pituitary responses remain healthy. Theoretically, prolactin, progesterone and aromatase herbs would have to be used together to counter androgen symptoms.

Herbs whose ultimate effect mimics prolactin on the breasts cause a secondary effect as progesterone herbs only during the luteal phase. Phytoprogestins act with a secondary function as prolactin herbs at any time.

A healthy diet is necessary. The fiber contained in whole herbs is important for body health. Choose herbs that contain a variety of phytochemicals with anti-carcinogenic properties. It is also important to eat a variety of whole foods: fruits, grains and vegetables. Vitamins are important for health and breast enhancement. For instance, supplements of 500mg of vitamin C, 400IU of vitamin E, and 100mcg of selenium per day help keep hormone responses healthy; the rest of your intake of these vitamins can come from food.

If you have hormonal imbalances, see a health professional for diagnosis and treatment. Herbal breast enhancement should not be done while trying to conceive.

**Herb Doses**

Large doses of herb will be avoided, because the idea is for lower amounts to be in the right balance to keep responses sensitive. The suggested proportions in the herb schedule are in weight of solid form. Solid form can be ground capsule, or whole. Volume cannot accurately be used to measure different forms of solid herb (without knowing the herbs’ density). The recommendation of combined solid herbs is less than 2,000mg per day. In the herb schedule, Each part in an herbal proportion can be between 100mg to 500mg. There will also be a dosage that is in a minimal amount, which will be in equal parts between 10mg and 50mg for each herb daily, regardless of the proportion of other herbs.

Teas are measured by the solid amount of herb put into it, and the remaining herb from it can be eaten. Essential extract oils and concentrates will be avoided for ingestion, because concentrates are many times more potent and can easily be dangerous.

Here are suggestions about herbs mentioned. Mint and lavender are more effective as tea. Thistle can partially replace hops. Mint primarily raises androgens, and has a limited secondary effect (possibly through upregulation) of converting androgens into estrogens. Saw palmetto may replace oats. Lavender primarily helps the body convert androgens into estrogens.

When there is breast tingling, you may have found the right balance for breast enhancement herbs. Herbs come in different strengths, and the body’s response may also vary the effectiveness of each herb. Limit amounts of herbs, and try to take them in balance according to their hormonal property. When breast growth stops, or when menstruation becomes irregular, stop or readjust the proportions for each day. If body temperature becomes irregular, or if there are any other symptoms, stop immediately.
Botanicals According to their Effects on the Breast

* Many recommended herbs have anti-tumor properties against their target receptor, except Pueraria.
* See [https://breast.is/herbs/](https://breast.is/herbs/) for more information and for herb updates.

### Botanical Aromatase

Lavender (*Lavandula*)

### Progestogenic

Chaste berry (*Vitex*) – Increases progesterone, but directly lowers prolactin.

Fenugreek (*Trigonella*) – Increases estrogen and testosterone. Progestogenic action based on its actions that cause branching, instead of duct elongation. Contains a replica of progesterone. *[reference claims it is estrogenic]*

**Suma** (*Hebanthe eriantha*) – Has adaptogenic properties. Also, raises estrogen, progestogen and testosterone. *[Brazilian ginseng]*

Wild yam (*Dioscorea*) – Has similar properties to Fenugreek.

### Raises Prolactin

Clover (*Trifolium*) - Increases prolactin. Overuse can reduce fertility.

Hops (*Humulus*) – Increases prolactin. Has more potent effect on ERα in the breast, than ERβ. Also increases sensitivity of PRB and Erα.

Milk thistle (*Silybum*) - Increases prolactin. Similar attributes to hops.

### Emmenagogue (induces menstruation)

Mint (*Mentha*) – Taking too much mint, especially in concentrate form, is dangerous.

Rosemary (*Rosmarinus*)

### Adaptogens

Ashwaganda (*Withania*) – *[Indian ginseng]*

Basil (*Ocimum*)

Chuchuhuasi (*Maytenus*) – For menstrual symptoms. *[Chuchuaso, Chuchuhuasha, Gnikélé]*

Eleuthero (*Eleutherococcus*) – *[Siberian ginseng]*

Ginseng (*Panax*) – *[American ginseng, Panax quinquefolius, Korean ginseng]*

Gotu kola (*Centella*)

Maca (*Lepidium*)

Schizandra (*Schisandra*)

### Other

Asparagus (*Asparagus*) – Tuber is used. Asparagus raises prolactin, but it is probably primarily progestogenic. *[Common asparagus, Shatamuli, Shatavari, Asparagus racemosus]*
Kudzu (*Pueraria*) – Specific hormonal properties are uncertain, but anecdotally it seems to have a combination of FSH, LH or estrogenic properties in conflict with prolactin or progestogenic properties. Kudzu may not be a carcinogenic, but it seems to not discriminate between nurturing healthy and tumorous cells. [*Pueraria candollei mirifica, Pueraria mirifica*]

Suma (*Hebanthe*) – Raises androgens, estrogens and progesterones. It is also an adaptogen. [*Brazilian Ginseng*]

Tea tree (*Melaleuca*) – Aromatase. Topical use only.

**Herb Schedule**

The schedule is not applicable for those on birth control or other hormone pills. Menstrual cycle phases will be divided into: Menstruation, Proliferative, Ovulation, Secretory, and Premenstrual. Follicular phase was split into menstruation and proliferation phases. Luteal phase was divided into secretory and premenstrual phases. Progesterone is produced by the corpus luteum during the secretory phase.

Here is the herb ratio to take during menstruation. Take 2 parts each fenugreek, wild yam and hops. As tea, the minimal amount each of clover, mint, maca, lavender and oats. If menstruation intensity is heavy, increase hops 1 part at a time. Alternatively, increase fenugreek one part at a time, if menstruation is too light or has stopped. Another adaptogen can substitute maca during menstruation.

Here are reasons for this combinations herbs during menstruation. Mint and clover together balance each others' effects on pituitary and ovarian function. Hops increases prolactin, countering menstruation actions of mint and fenugreek, and it sensitizes other breast receptors responsible for growth. Wild Yam is necessary during menstruation, because it acts directly as progesterone, which the body cannot produce during menstruation. Without wild yam to both stimulate and mildly desensitize PRB, breast sizes usually shrink back from the abundance of hormone effects by other herbs.

For the approximate times of proliferative and ovulation phases, take a break.

The following are herbs to take daily during secretory (luteal) phase. Take 3 parts hops, and 1 part fenugreek. Take the minimal amount each (in tea form, if available) of maca, lavender, wild yam and oats. Asparagus or suma, by 1 part, can optionally be added.

The following is for responsive use during secretory phase. Gradually increase amounts of fenugreek, if there are signs of androgen insufficiency. When nipple size increases, add the minimal amount of equal parts vitex, clover and mint. Within a day of taking vitex, if breast width decreases, take ½ parts each clover, fenugreek and hops/thistle periodically and cautiously, until this is no longer effective. If there are signs of acne, increase lavender and hops by 1 part each. Measure your body temperature. Add 1 part hops, if temperature gets too low. If body temperature starts getting too high, add the minimal amount each of mint and lavender. However, if you get itchy skin, or if temperature rises enough to get hot-flashes, stop, and wait for menstruation to start to continue with the herb schedule.

Here are the herbs for premenstrual phase. Take 2 parts each wild yam and hops. As tea, take the minimum amount of maca, oats, fenugreek and lavender. Wild yam has an effect of progesterone on
breasts, and it slightly desensitizes progesterone receptors to lessen shrinkage during the next menstrual cycle. The corpus luteum becomes incapable of producing progesterone around this time, so hormonal imbalances for this duration are common. When breasts stop responding to wild yam, stop taking it, because taking more is not productive.

Out of every six months, take a one month break from herbs. If there is a lack of menstruation or other symptom of menstrual cycle irregularity, take a one month break as well. Also, if you feel any discomfort in your body, stop.

**For Increasing Insulin Response**

On occasion, once per cycle, take approximately 50mg total of any combination of: ginger, green tea and turmeric. Take with a teaspoon of unrefined olive oil. The purpose of using these herbs is to increase insulin sensitivity, and to help decrease the odds of insulin related cancer. These herbs cause breast shrinkage, so they should be used in the smallest amounts, but they should help increase responses from herbs during other times of the menstrual cycle.

**Inverted Nipple Correction**

For inverted (or inward) nipple correction here is the herb schedule. During menstruation, the following herb proportion should be taken daily: 5 parts combined hops and milk thistle, 1 part fenugreek, 1 part wild yam, 1 part asparagus root or suma, 1 part clover, ½ part lavender and ½ part mint. Increase fenugreek if menstruation is too light, and increase hops if menstruation is too heavy. Repeat this for secretory phase, but add ½ part of vitex daily.

The reason for hops is, it increases prolactin, which indirectly activates the nipple area. Milk thistle is known as a galactagogue. Mint and lavender are needed for balance from prolactin increasing effects of hops and clover.

**Herbal Breast Reduction**

For herbal breast reduction, take 100mg each daily of green tea, ginger and tumeric. A minimal variant of the above herb schedule should be added, but this is untested, and may cause problems in the case of uncontrollable growth.

**Notes**

Take a break periodically. If symptoms become unfavorable, take a break and see a medical professional. Read the disclaimer, the chapters "Precautions", and "Imbalances" beforehand. See a medical professional for diagnosis and treatment of hormonal imbalances.
Postmenopausal women need to consider that they generally have low amounts of serum progesterone, which is less than 1 nanogram per milliliter. It is recommended for everyone, including post-menopausal women, to get periodic health check ups.

Be sure you are certain of the plant species and the properties of all of its parts. Herbs with the main properties of raising LH or FSH (emmenagogues) that are aromatases are listed separately than herbs with the main property of aromatase. Mushrooms will intentionally be left off, because they are difficult to properly identify to not confuse them with poisonous varieties, which can take days for toxic effects to become noticeable. Please see Medline Plus: Herbs and Supplements at https://www.nlm.nih.gov/medlineplus/druginfo/herb_All.html.

For updates, see https://breast.is/blogs/.
Nutrition Resources

For DRIs and UL see 'Dietary Supplement Fact Sheets' https://ods.od.nih.gov/factsheets/list-all/.

For iron and zinc see 'Women's iron intake may help to protect against PMS'


Nutrient Recommendations: Dietary Reference Intakes (DRI)

More

- https://breast.is/appendix/diagrams
- https://breast.is/appendix/glossary
- https://breast.is/appendix/menstrual-phases
- https://breast.is/appendix/nutrition
- https://breast.is/appendix/precautions
- https://breast.is/appendix/questions-answers
- https://breast.is/blogs/
- https://breast.is/herbs/
Glossary

- \( \alpha = \text{Alpha} \)
- 5\( \alpha \)-reductase = Enzyme that converts Testosterone or Progesterone into more potent forms
- Agonism = Positive activation
- Alveologenesis = Creation of milk lobules
- Antagonism = Negative activation
- Differentiation = Conversion of a type of cell into another
- Emmenagogue = Induces menstruation
- Endometriosis = Uterine tissue that grows outside the uterus
- ER\( \alpha \) = Estrogen Receptor Alpha
- FSH = Follicle Stimulating Hormone
- Gonadotrophin = Hormone released by the pituitary gland; These include LH, FSH and prolactin
- Lactagogue = Galactagogue = Breastfeeding herb
- LH = Luteinizing Hormone
- Mycoestrogen = A fungal estrogen
- Mycotoxin = A toxin made by fungi
- PCOS = Polycystic Ovarian Syndrome
- POI = Primary Ovarian Insufficiency
- PRB = Progesterone Receptor B
- Phytoprogestogen = Phytoprogestin = Plant based progestogen; For plants, the terms phytoprogestogen and phytoprogestin are interchangeable
- PrlR = Prolactin Receptor
- Prl = Prolactin = Luteotrophic Hormone = LTH
VI References


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I Biology


Breast Development


Endocrinology

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II Imbalances

LH, FSH and Androgens


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Theories on Cancer Treatments


Premenstrual Syndrome


Physical

III Precautions


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Herbs and Fertility

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Standard Warnings

**IV Botanical**


**Botanicals According to their Effects on the Breast**


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Notes


V Appendix

Glossary
