Let’s walk through this…

A screenshot of a cell phone screen with text

Description automatically generated

Feedback Signals:

Positive feedback: stimulus continues until goal is reached

E2 🡪 Hypothalamus = more GnRH = More LH/FSH

Negative feedback: stimulus prevents/inhibits the same stimulus= decrease in stimulus

Progesterone increases = LH/FSH to decrease

A close up of a device

Description automatically generated

Label the graph above where proestrus, diestrus, metestrus, and estrus occur as well as when ovulation will happen.

Define the following:

Estrous (adj.)-

Luteal phase-

Metestrus-

Diestrus-

Follicular phase-

Proestrus-

Estrus-

Seasonal polyestrus-

Anestrus-

True-

Apparent-

Polyestrus-

Monoestrus-

What is the primary ovarian structure during the follicular phase?

1. Uhh… honestly, IDK
2. A primary follicle
3. A graafian follicle
4. Growing follicles
5. None of the above

What is the dominant ovarian steroid hormone during the follicular phase?

1. Progesterone
2. Relaxin
3. Oxytocin
4. Estrogen

Which of the following is the primary ovarian structure during the luteal phase?

1. An antral follicle
2. Corpus Hemorrhagicum
3. Corpus Albicans
4. Corpus Luteum

Since we know the dominant ovarian structure during the luteal phase is the CL, what could the dominant ovarian steroid hormone be?

1. GnRH
2. Progesterone
3. Estrogen
4. Relaxin

Describe the following types of anestrus:

Gestational:

Lactational:

Nutritional:

Let’s talk hormones!

|  |  |  |
| --- | --- | --- |
| Hormone: | Synthesis: | Site of Action |
| GnRH |  |  |
| FSH |  |  |
| LH |  |  |
| Estrogen |  |  |
| Progesterone |  |  |
| PGF2a |  |  |
| Testosterone |  |  |