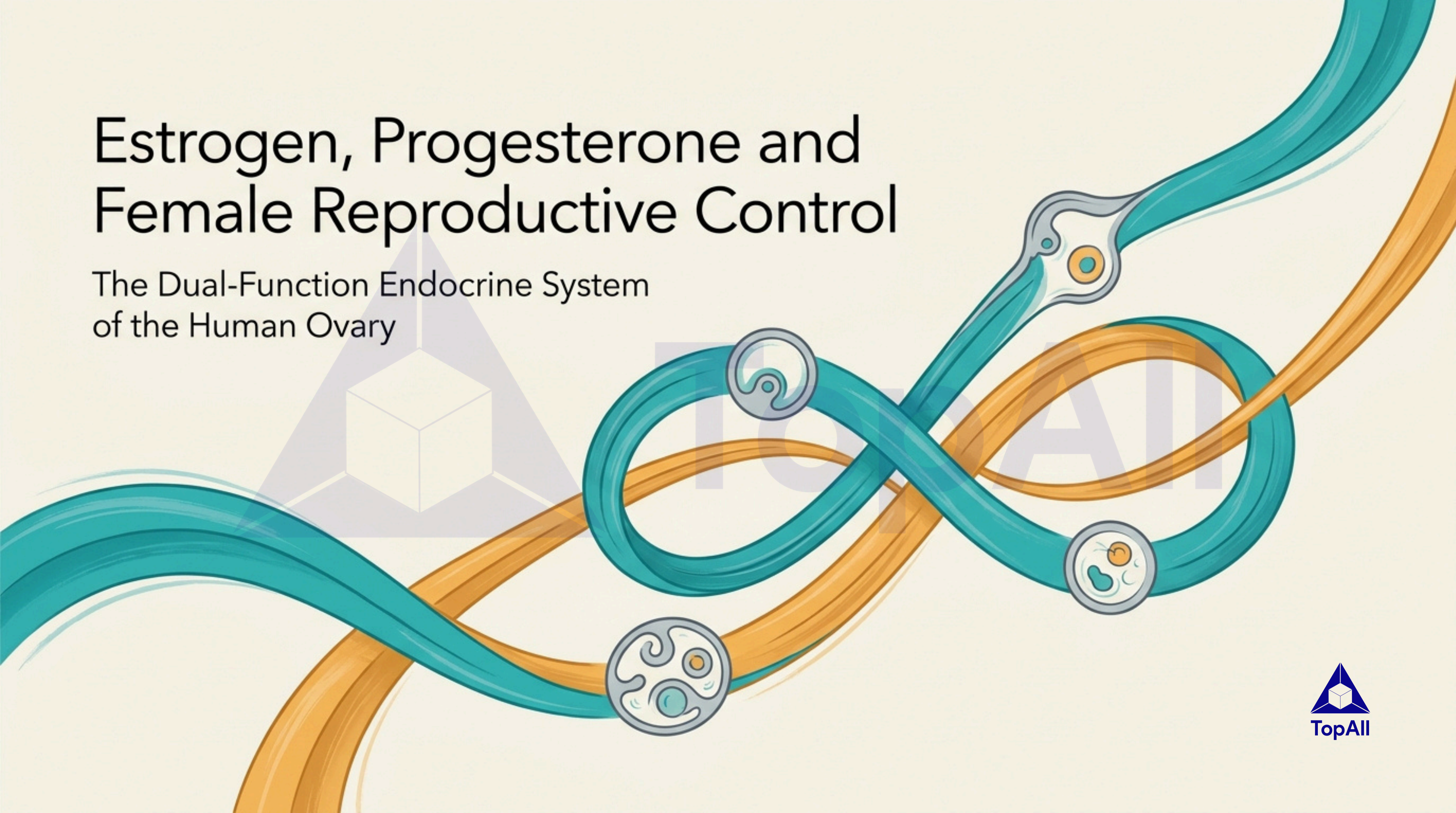
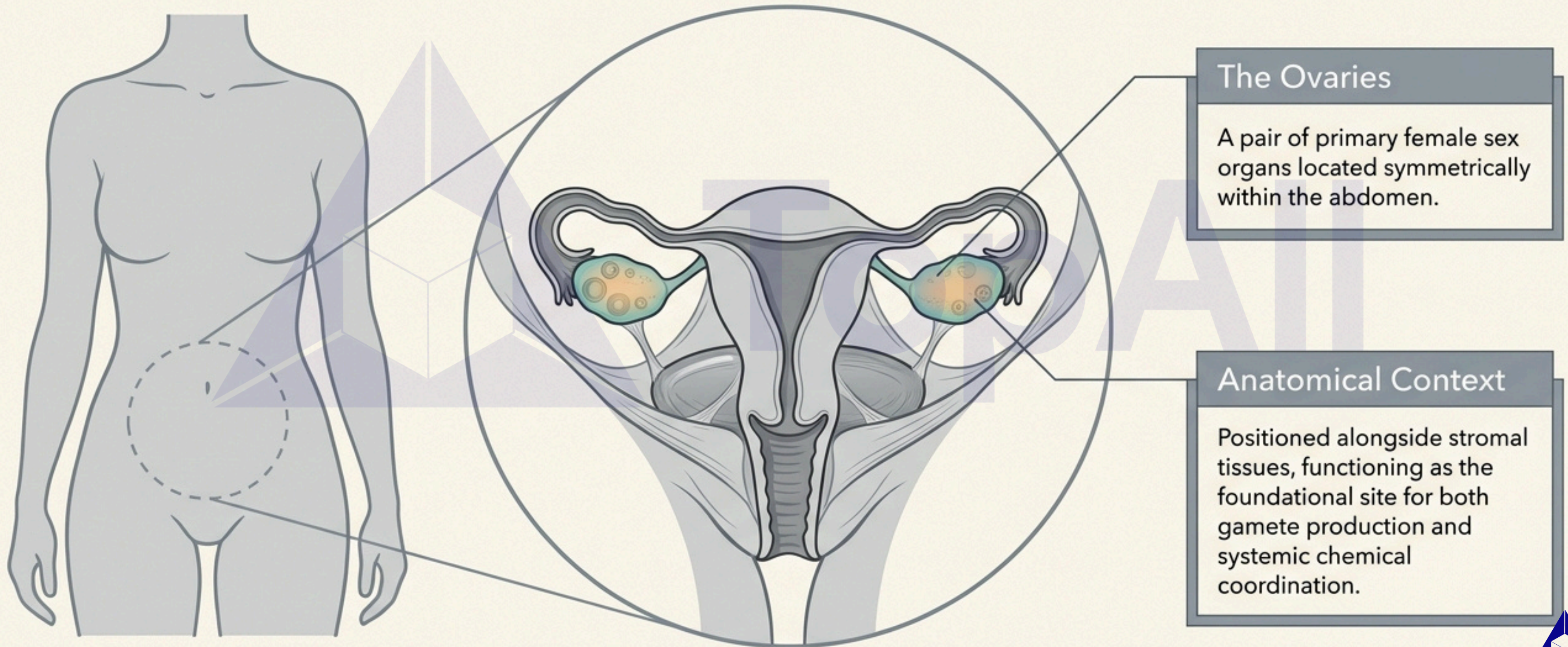


Estrogen, Progesterone and Female Reproductive Control

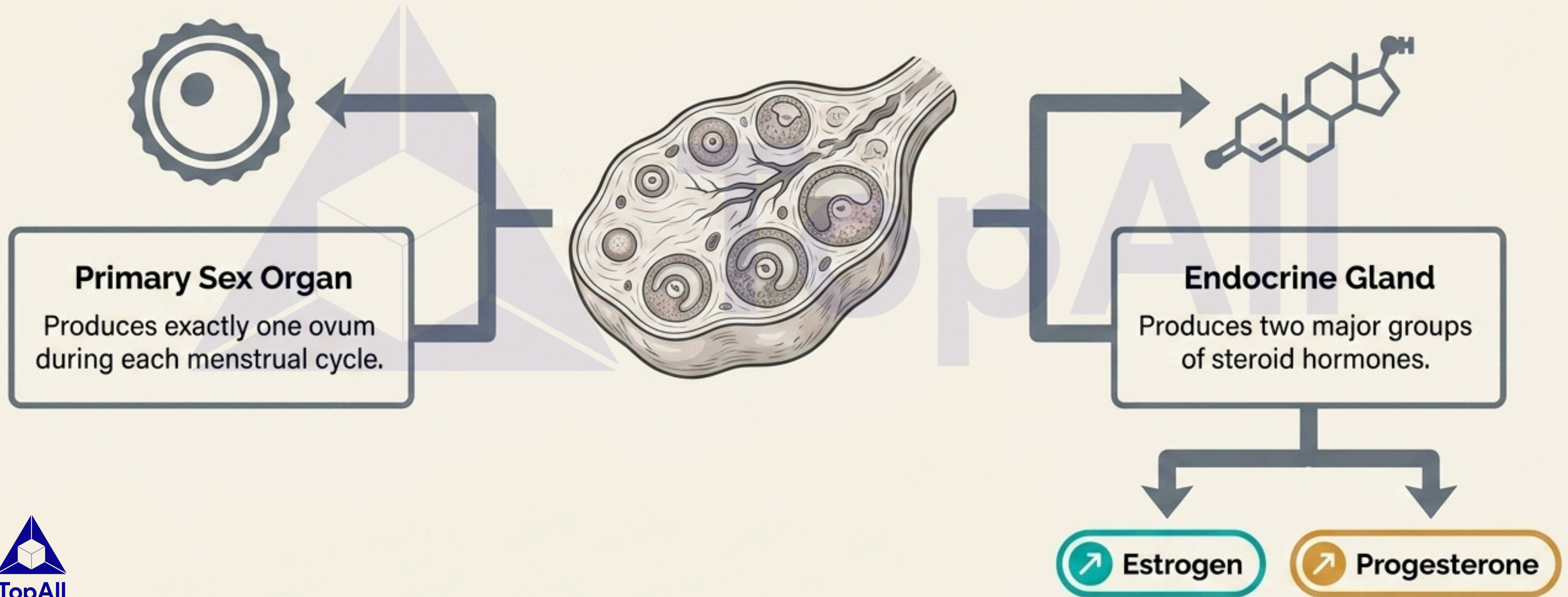
The Dual-Function Endocrine System
of the Human Ovary



Anatomical Context: A Paired System in the Abdomen



The Dual Engine: Gamete Production and Endocrine Control





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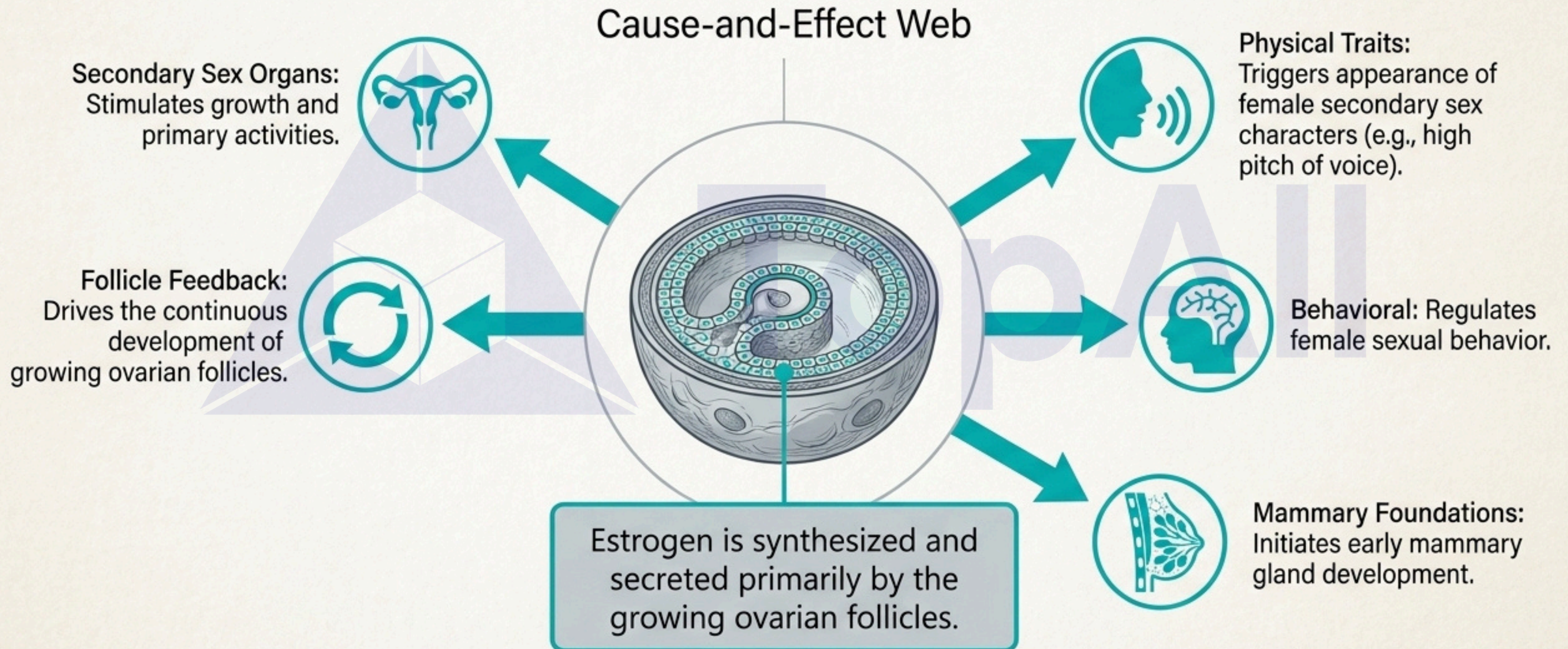
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Key Highlights

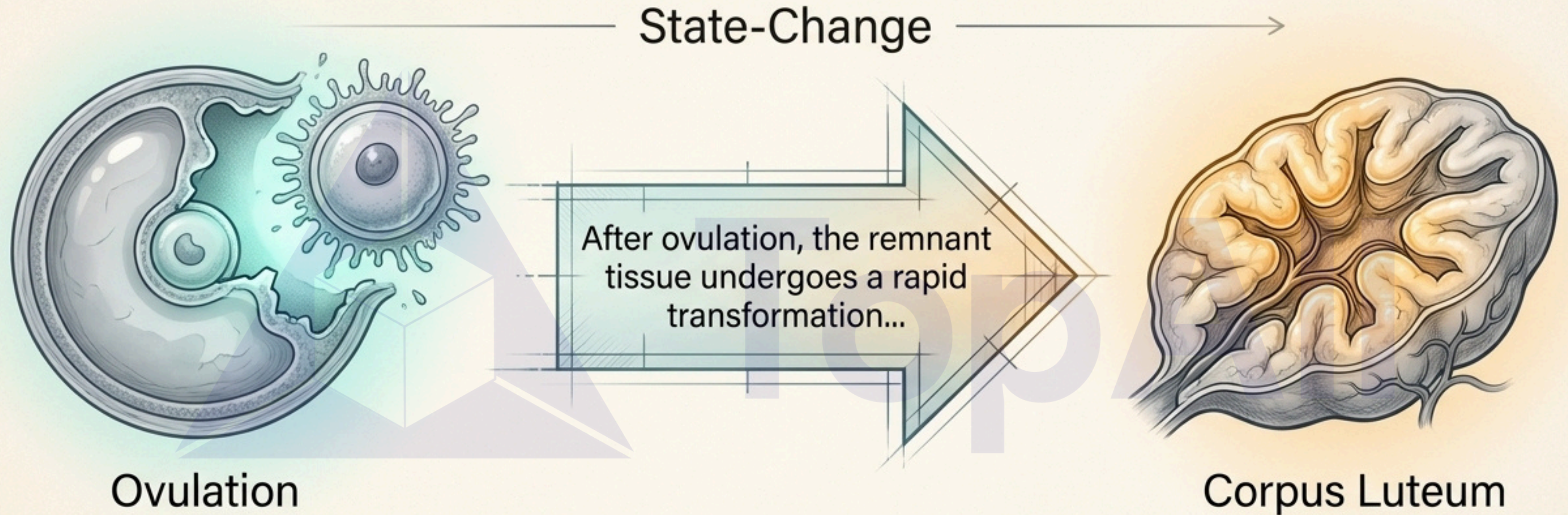
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The Growing Follicle: Synthesizing Estrogen



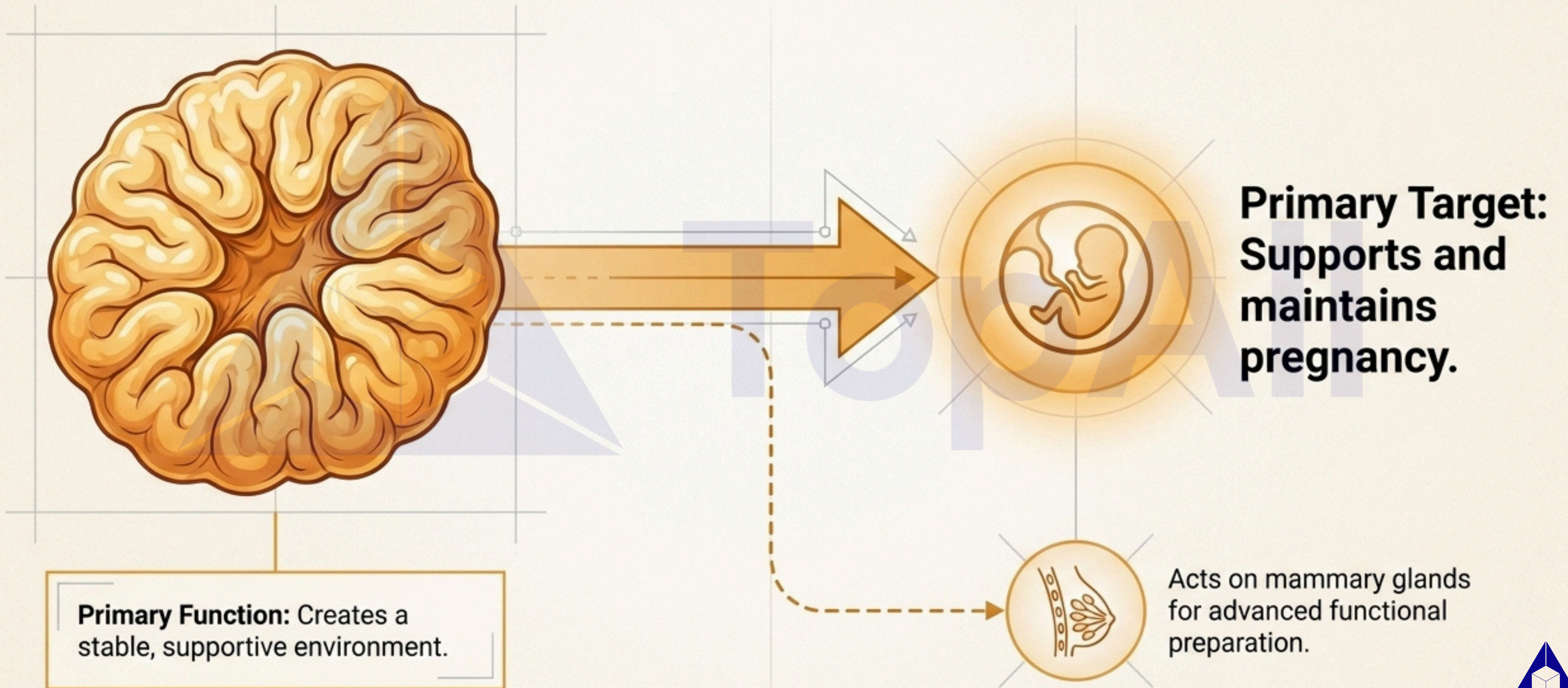
Ovulation and the Structural Shift



Core Takeaway

The ruptured follicle is converted into a temporary endocrine structure—the Corpus Luteum—which takes over chemical control by secreting mainly Progesterone.

The Corpus Luteum: Progesterone and Pregnancy Support



Collaborative Control: The Mammary Gland Takeaway

Source: Growing Follicle

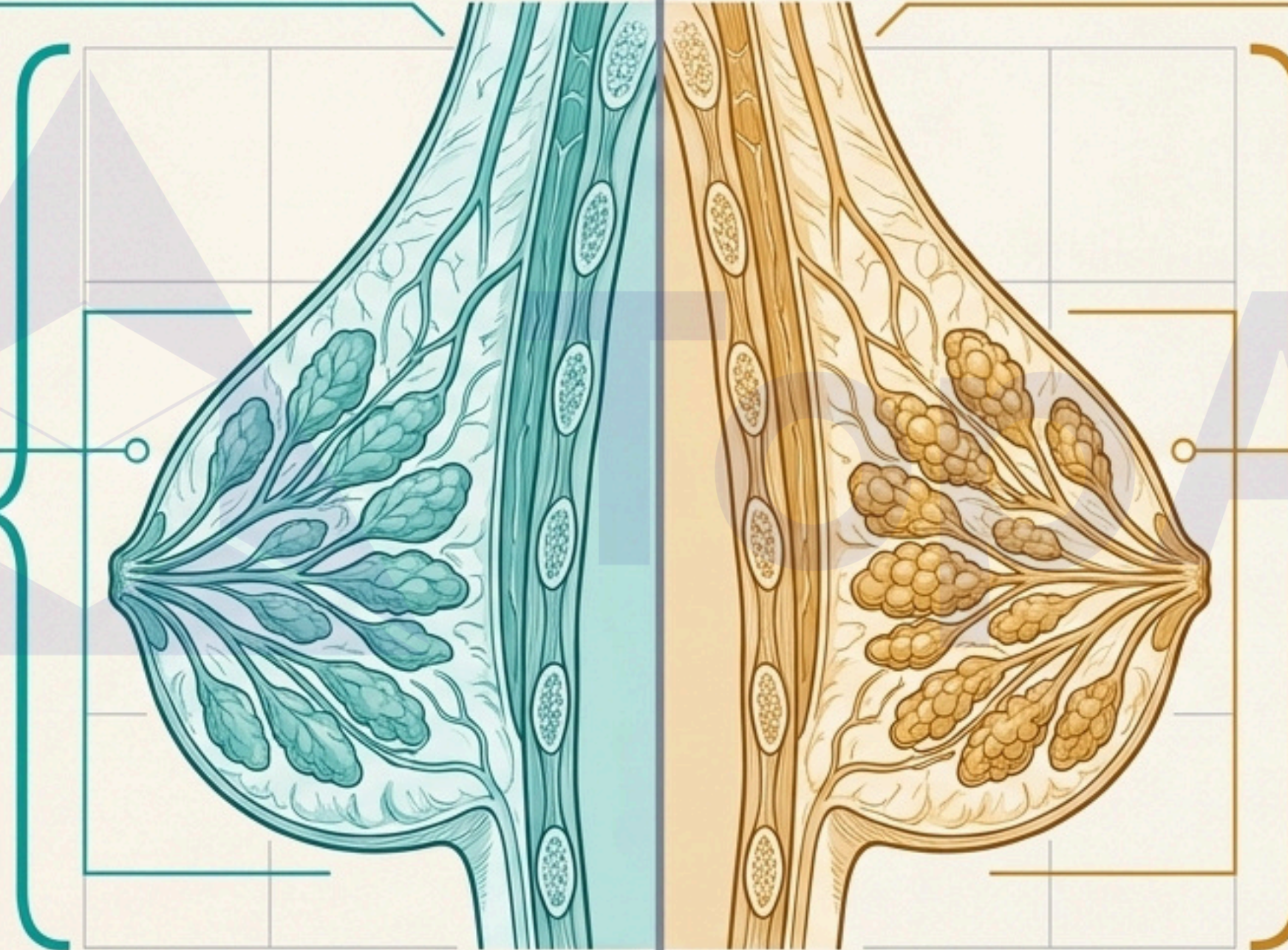
Hormone: ESTROGEN

Source: Corpus Luteum

Hormone: PROGESTERONE

Structural Foundation:
Stimulates the foundational growth and overall development of the mammary glands.

Functional Activation:
Stimulates the formation of alveoli (sac-like structures to store milk) and triggers active milk secretion.





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