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for

Premium

Quality

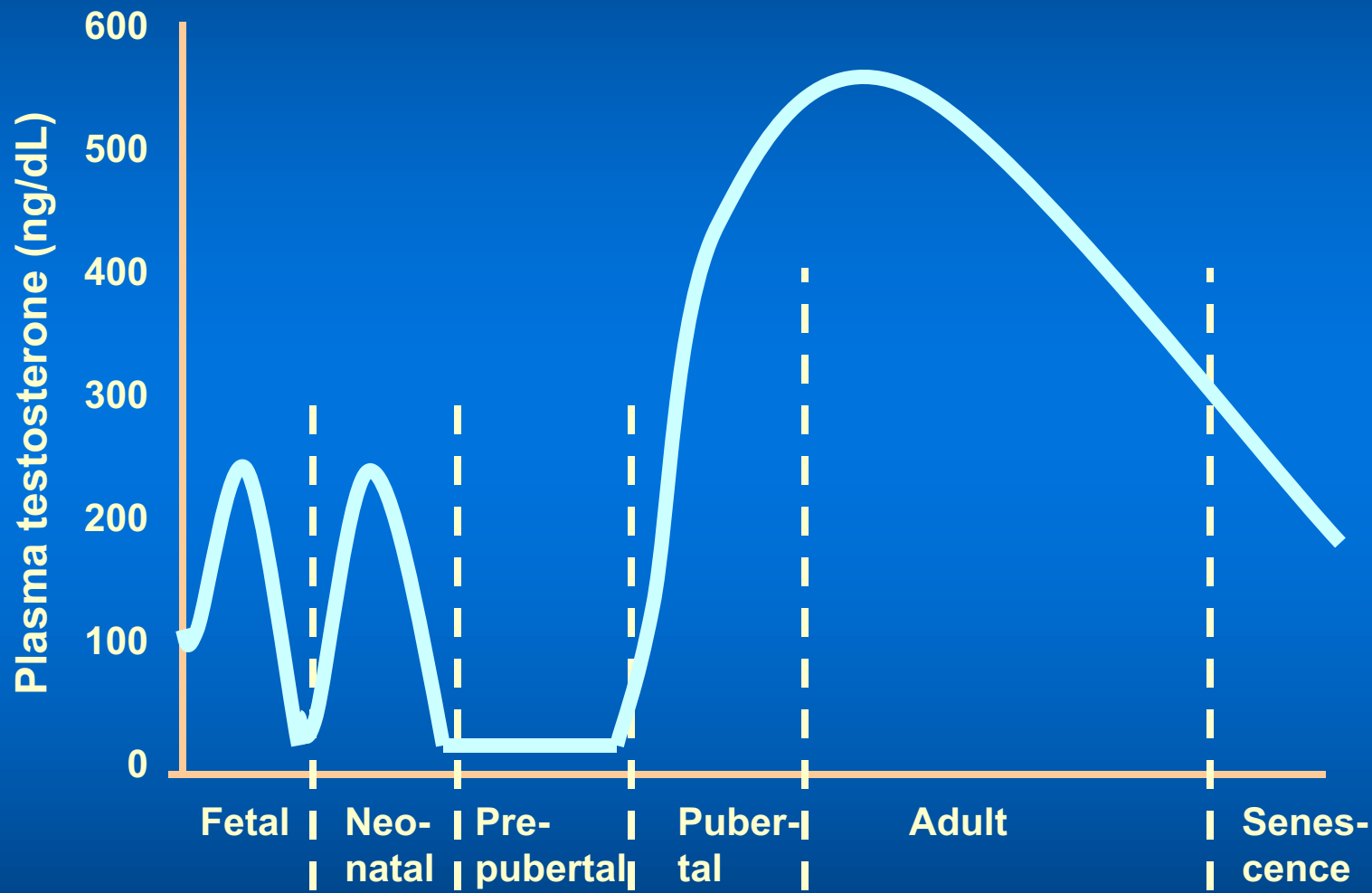
Wool

The Effect of Sex Hormones on Follicles

Produced for the CRC for Premium Quality Wool undergraduate program by;
Dr. Peter Wynn, The University of Sydney.



Plasma testosterone levels



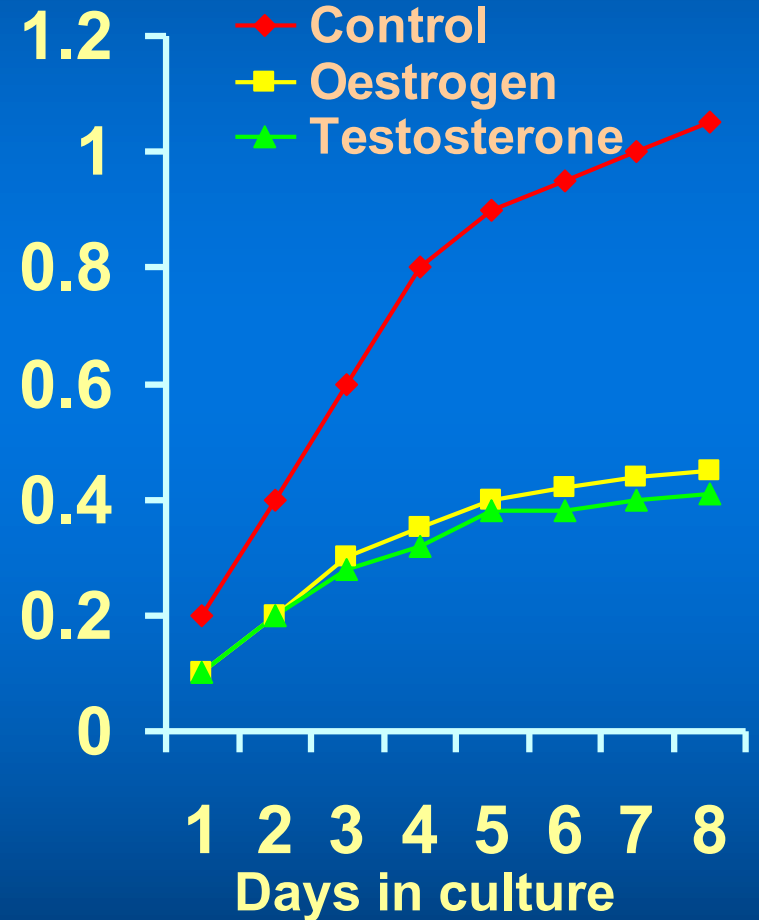
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Gonadotrophins

- Stimulate ovaries and testes to produce steroids
 - Testosterone - male pattern baldness?
 - Puberty
- Physiological levels of oestrogen, androgens or progesterone don't affect wool growth in vitro

Follicle length (mm)





Androgen effects on follicles



- Androgen acts in the papilla to stimulate release of antimitotic compounds or inhibit the release of a mitotic agent (e.g. GF)

● Androgen receptors

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