

WELCOME TO PSYC 110

brotip #370

don't waste your time waiting on someone who wouldn't wait for you.

brotips|tumbl

PSYC 110 (General Psychology)

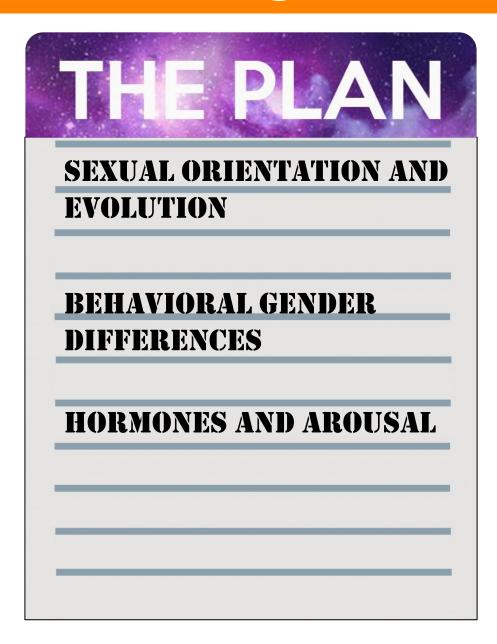
Module 8:

Human Sexuality

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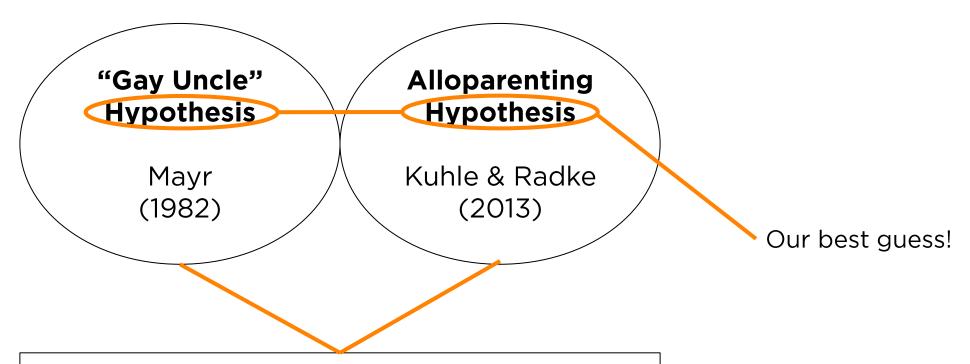


What should we get out of today?





But what about evolution?



Alloparenting

When an animal other than a biological parent helps in the rearing of offspring







Homosexual family members are less likely to directly reproduce...

AND THEREFORE

Have more time and resources to assist in the rearing of other family members (e.g., siblings' children)...

AND THEREFORE

Still contribute to their genetic line via *indirect* fitness!



Alloparenting Hypothesis

Sexual fluidity (dynamic sexual orientation) is more socially accepted in women compared to men

Women are more likely than men to report feeling attraction to more than one gender (e.g., bisexuality, pansexuality)





Alloparenting Hypothesis

Evolutionarily, women depend on other women to help raise children

Especially in absence of father

Animal Behavior Evidence: Female Bonobos engage in sexual activity with same-sex troop members to promote social bonding

Mostly with current or potential allomothers

Psychological adaptation may remain in humans from our ancestors





<u>Asexuality</u>



Feeling no sexual attraction to any gender

0.5% of the population

Can still have romantic interests

Can also alloparent



DOINT Solutions





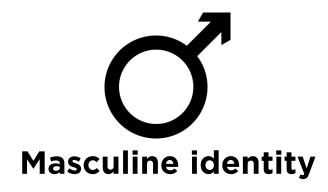


BEHAVIORAL GENDER DIFFERENCES



Gender identity influences some (but not all) of our behavior

GENERALLY, when compared to those who identify as feminine...





Higher aggression and physicality

- 7x more likely to commit violent crimes
- More likely to punish others in experiments
- Higher prevalence in physically-demanding jobs (e.g., bricklayers)



More interest in things

- More likely to collect cars, toys, etc.
- Higher prevalence in fields related to systemizing (physics, engineering)



Gender identity influences some (but not all) of our behavior

GENERALLY, when compared to those who identify as masculine...







- Higher prevalence in fields related to <u>empathizing</u> (psychology, nursing, teaching)
- Demonstrate more "considerate" behaviours
- More emotionally supportive relationships

More interest in people

- Better understanding of social dynamics, interpersonal relationships, etc.
- More neuron connectivity in areas related to social cognition



Gender roles are prevalent but <u>not</u> absolute

Gender is a social construct based on biology



Don't forget, evolution is slowwwww

Many traits from our ancestors still remain that influence gender roles and differences

e.g., higher incidence of ADHD in men hunter-gatherers, or just easier to identify?



Gender roles are prevalent but <u>not</u> absolute



Modern views on gender promote reconsideration of traditional roles

- Fathers receiving parental leave w/ newborns
 - More career-oriented women



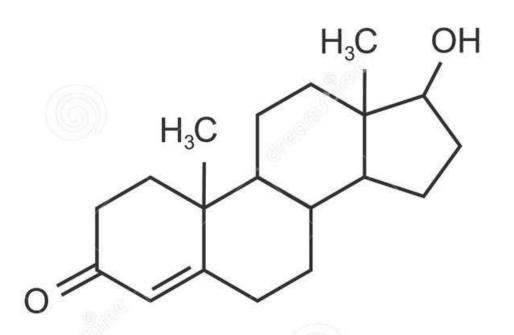
Hormones + Arousal



Sexual engagement is influenced by hormones

ESTROGEN

Primary Female Sex Hormone



TESTOSTERONE

Primary Male Sex Hormone



Sexual engagement is influenced by hormones

Hormone	Primary Sex	Source of Production	Main Function
Testosterone	Male	Testes	Stimulate the male secondary sex characteristics (developed during puberty)
Estrogen	Female	Ovaries	Stimulate the female secondary sex characteristics (developed during puberty), repairs the wall of the uterus, controls ovulation
Progesterone	Female	Ovaries and Placenta	Prevents the wall of uterus breaking down



Both sexes have both hormones



In both sexes, Testosterone influences:

- Libido (i.e., sex drive)
- Mood and energy
- Cognitive function
- Bone health
- Muscle mass

In both sexes, Estrogen influences:

- Cardiovascular health
- Cognitive function
- Bone health
- Muscle recovery
- Immune system regulation



Alcohol influences our hormones

Small amounts of alcohol (1–2 drinks) can cause a short-term *increase* in testosterone production for both males and females

Chronic alcohol use has opposite effect

- Liver damage
- Can promote conversion of Testosterone into Estrogen

Know your standard drinks.







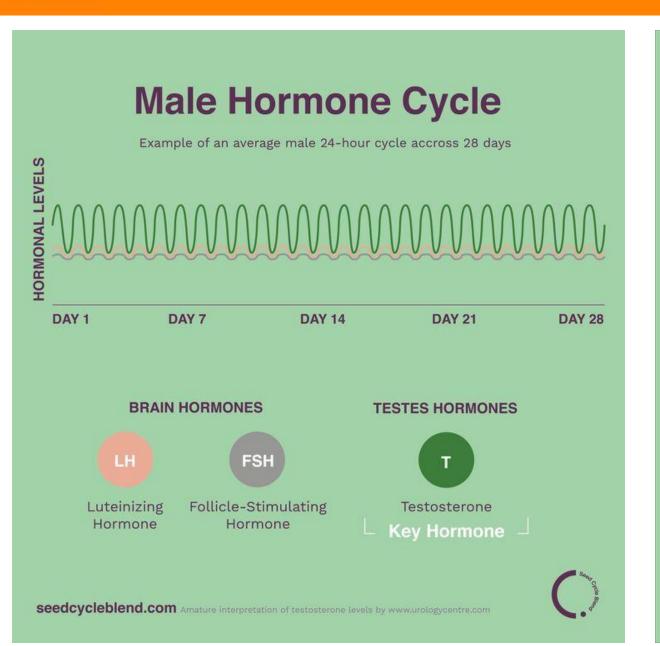


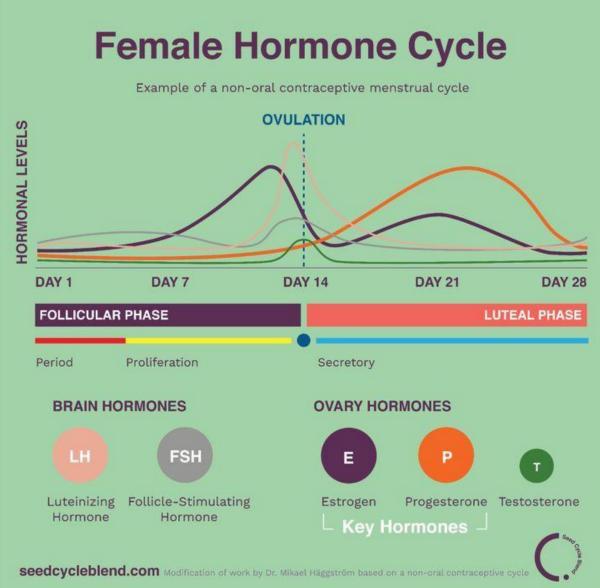














24-hour cycle

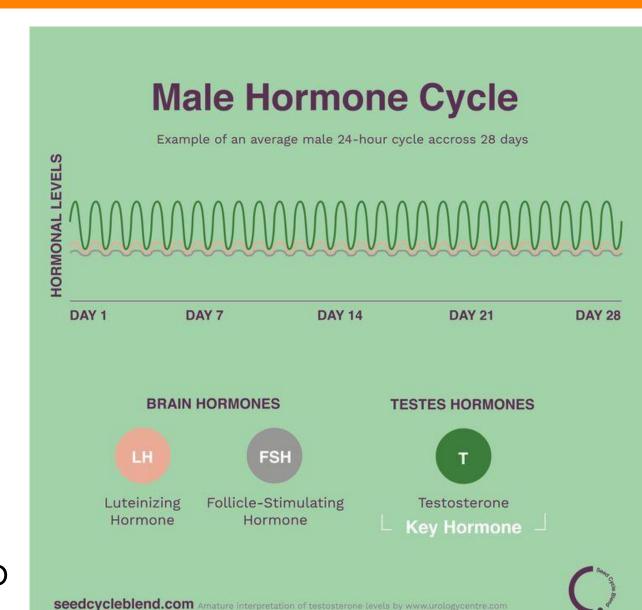
Testosterone usually peaks in the morning

- Highest level of energy
- Highest level of sexual desire

Continuously creating sperm (male sex cells)

Fully replace stores every
 ~70 days

Sperm can survive in uterus for up to <u>five days</u>



Let's pause for a second.

Dr. T, a cisgender man, is about to explain the female hormone cycle.

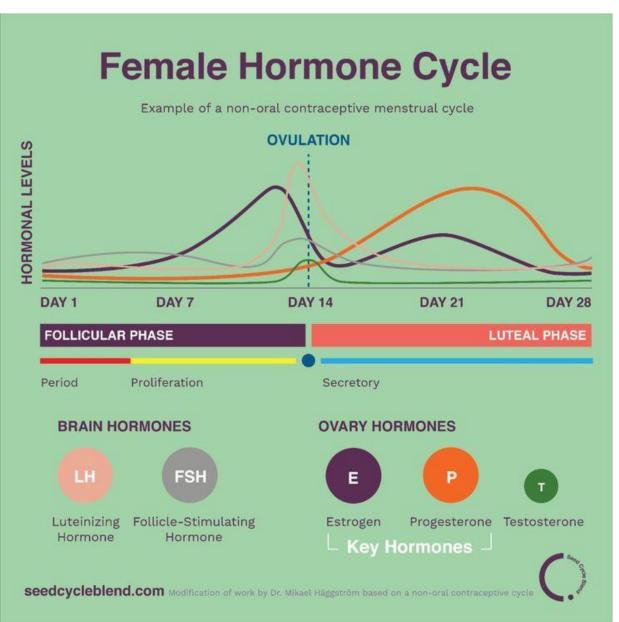
Let's acknowledge that this is highkey mansplaining a topic that is very integral and unique to the female experience.

Let's also be aware that female sexual health is extremely underrepresented in science, medicine, and society in general.

SO, as a disclaimer...

Dr. T promises the following information was rigorously researched via both scientific literature and direct inquiry with important females in his life 💙





21-to-35-day cycle

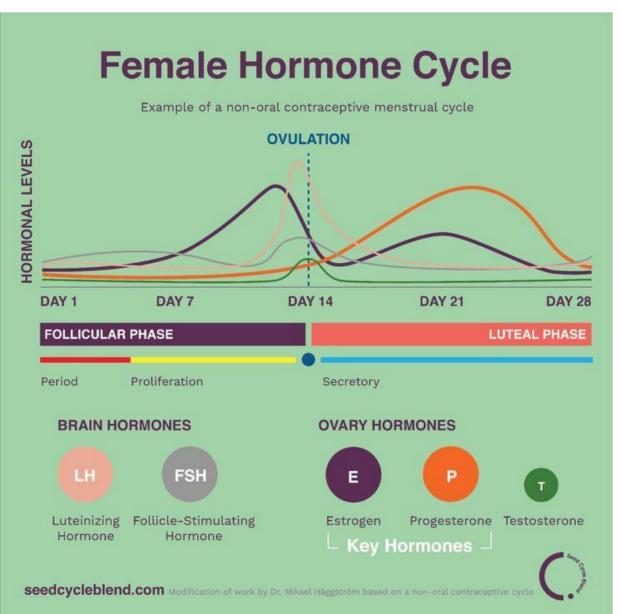
Menstruation ("Period")

- Day 1 to ~6
- Lining of the uterus sheds
- Pain—cramps
- Overall lack of comfort

Follicular Phase—Proliferation

- Day ~7 to ~14
- Body preparing for ovulation
- Highest energy and motivation
- Highest metabolism
- Libido increases towards ovulation





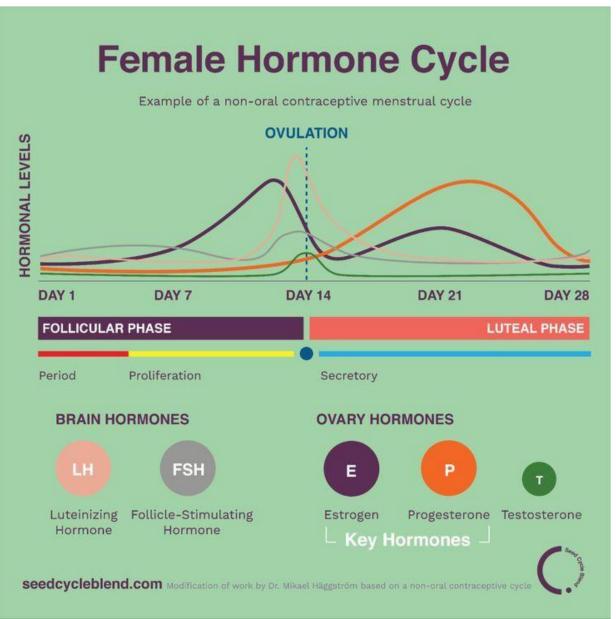
21-to-35-day cycle

Ovulation

Ovum (egg) releases from ovaries into fallopian tube, where it can be fertilized and lead to pregnancy

- Day ~14
- Highest level of sexual arousal in days approaching ovulation in Follicular Phase
- Fertility peaks two days before ovulation
- Egg can be fertilized up to 12-24 hours after release





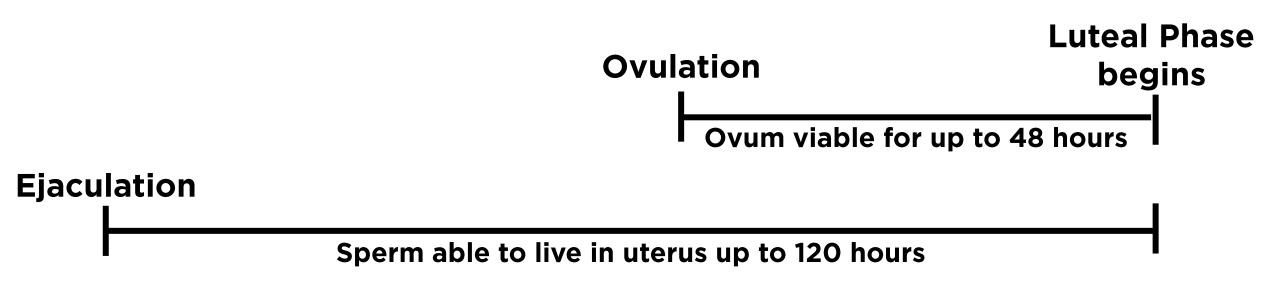
21-to-35-day cycle

Luteal Phase

- Day ~17
- Lead-up to menstruation
- Body starts to prepare for pregnancy even if the egg is not fertilized
- Low energy and mood
- Generally more interest in activities at home rather than socializing
- Some experience Pre-Menstrual Syndrome (PMS) or Pre-Menstrual Dysphoric Disorder (PMDD; severe PMS)
- If pregnancy occurs, different hormone cycle initiates



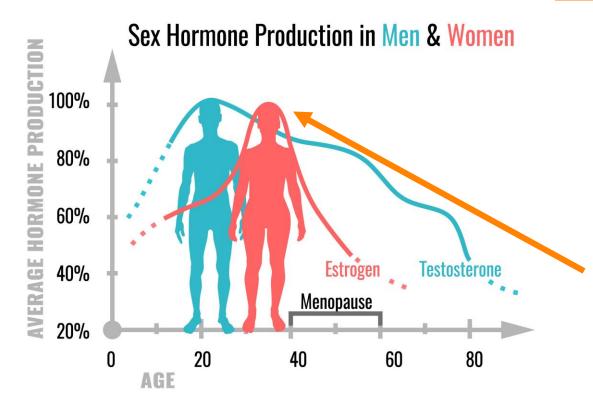
So, where do babies come from?



Pregnancy is possible when intercourse occurs up to three days before ovulation



Our sex hormones change over our lifetime



Females are born with a finite quantity of ova

After all ova are released, a female reaches **menopause** and a new cycle begins with no more ovulation nor menstruation

When approaching menopause, the female reproductive system attempts to maintain functions despite depleting ovum supply

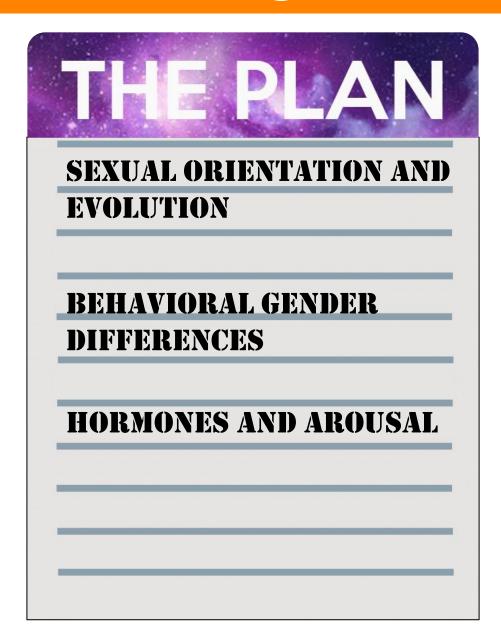
 May reflect evolutionary trade-offs between reproductive success and longterm benefits of estrogen on other systems

Male peak fertility: Late 20s to early 30s Male peak Testosterone: Late 20s to early 30s

Female peak fertility: Late teens to early 20s Female peak Estrogen: Late 30s to early 40s



What should we get out of today?





How did we do?



For y'all:

Friday Quiz 7 is March 28

InQuizitive due March 30

Reflection Journal due March 30

Collab Project Check-In due April 4