



DESORDRES HORMONNAUX ET INFERTILITES

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- ❑ Brief overview of infertility
- ❑ Understanding the reproductive hormonal axis
- ❑ Approach to an infertile couple
- ❑ Case study: hyperprolactinaemia

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Definition

- Inability to conceive after 12 months of having sexual intercourse with average frequency (2 to 3 times per week), without the use of any form of birth control
- The chances of conceiving in any given menstrual cycle is less than 20%
- Main events necessary for pregnancy to occur are:
 - Ovulation
 - Fertilization
 - implantation

Types

❑ Primary infertility

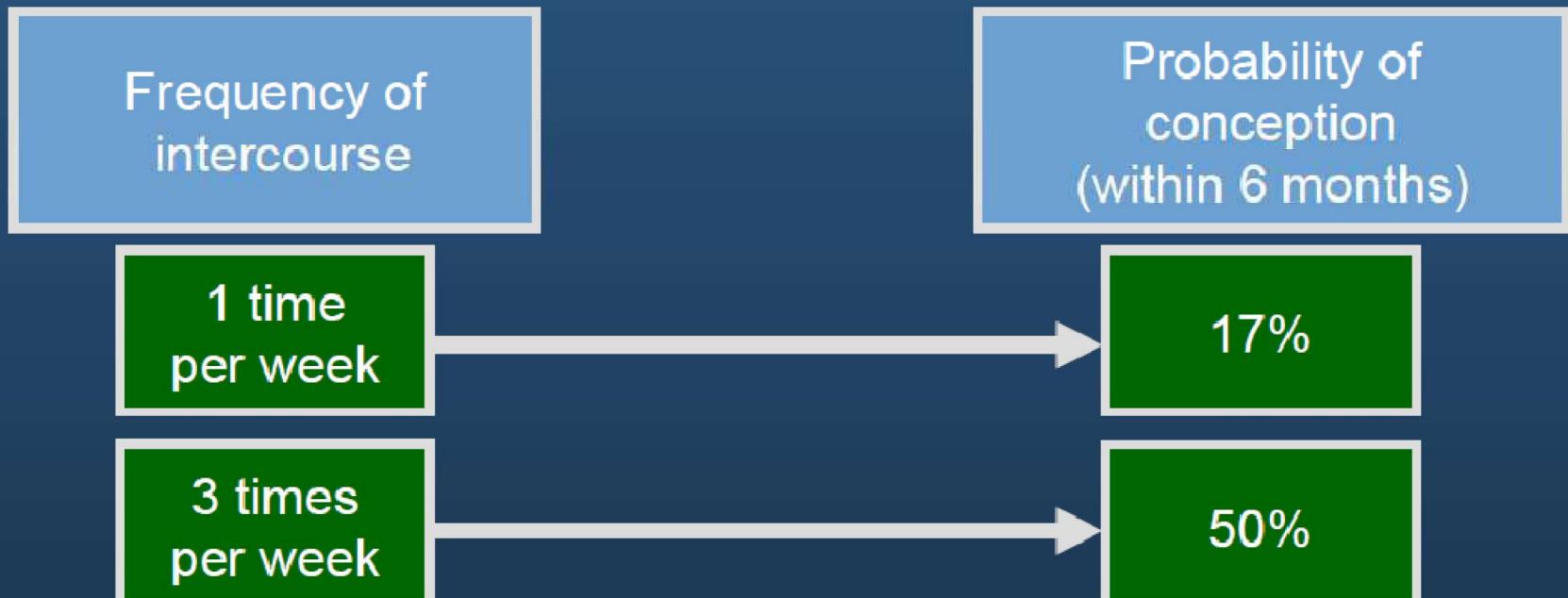
- couple has never produced a pregnancy

❑ Secondary infertility

- woman has previously been pregnant, regardless of the outcome, and now is unable to conceive

Factors affecting fertility

Coital frequency is positively correlated with pregnancy rates



Courtesy: unknown author

Epidemiology

20-40% of couples will have multiple causes

Female - about 60%

- Tubal - 35%
- Ovulatory - 15%
- Cervical - 5%
- Other - 5%



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Obstetrics and Gynecology
UNC Chapel Hill School of Medicine



Epidemiology

20-40% of couples will have multiple causes

Male - 35-40%

- Azoospermia
- Compromised spermatogenesis



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Epidemiology

20-40% of couples will have multiple causes

Couple

- Age (rates vary with female age)
- Sexual life, i.e. frequency
- Cigarette smoking - delays time to conception



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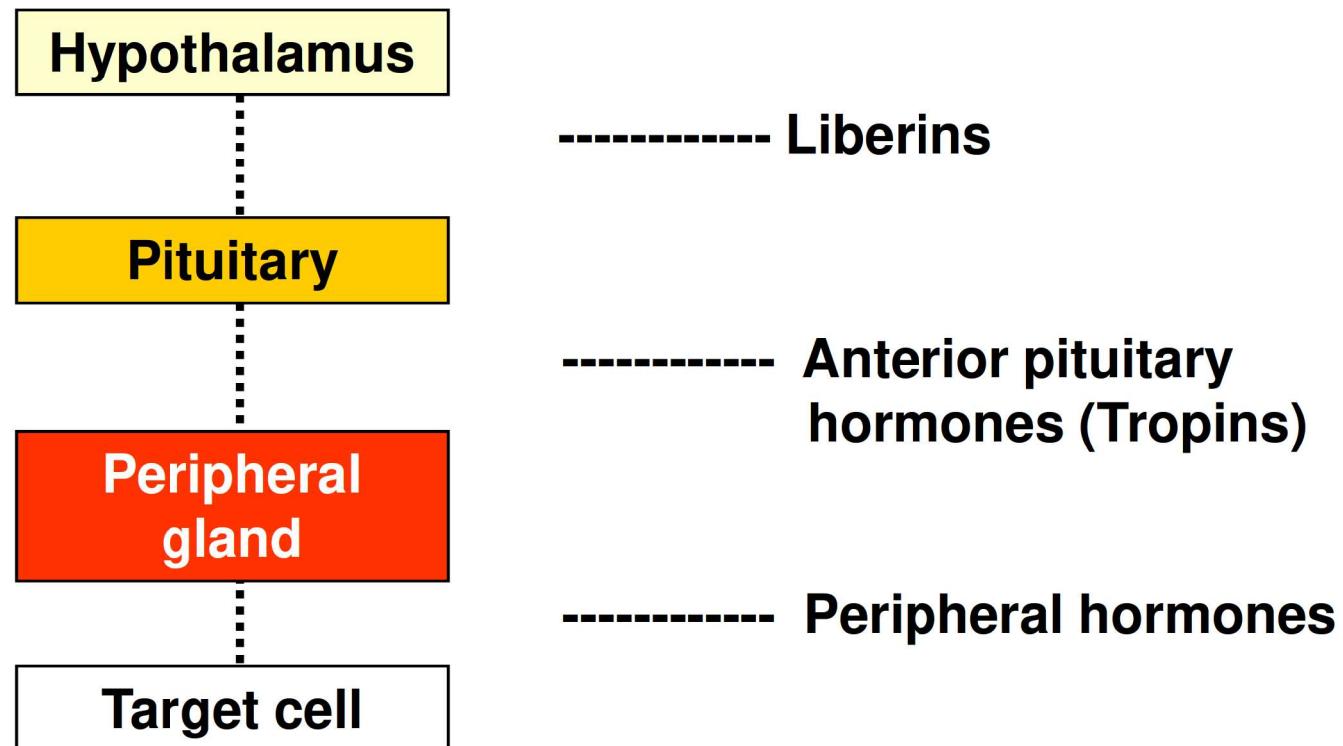
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Basic Principles

Hierarchy of endocrine system

3 level signaling

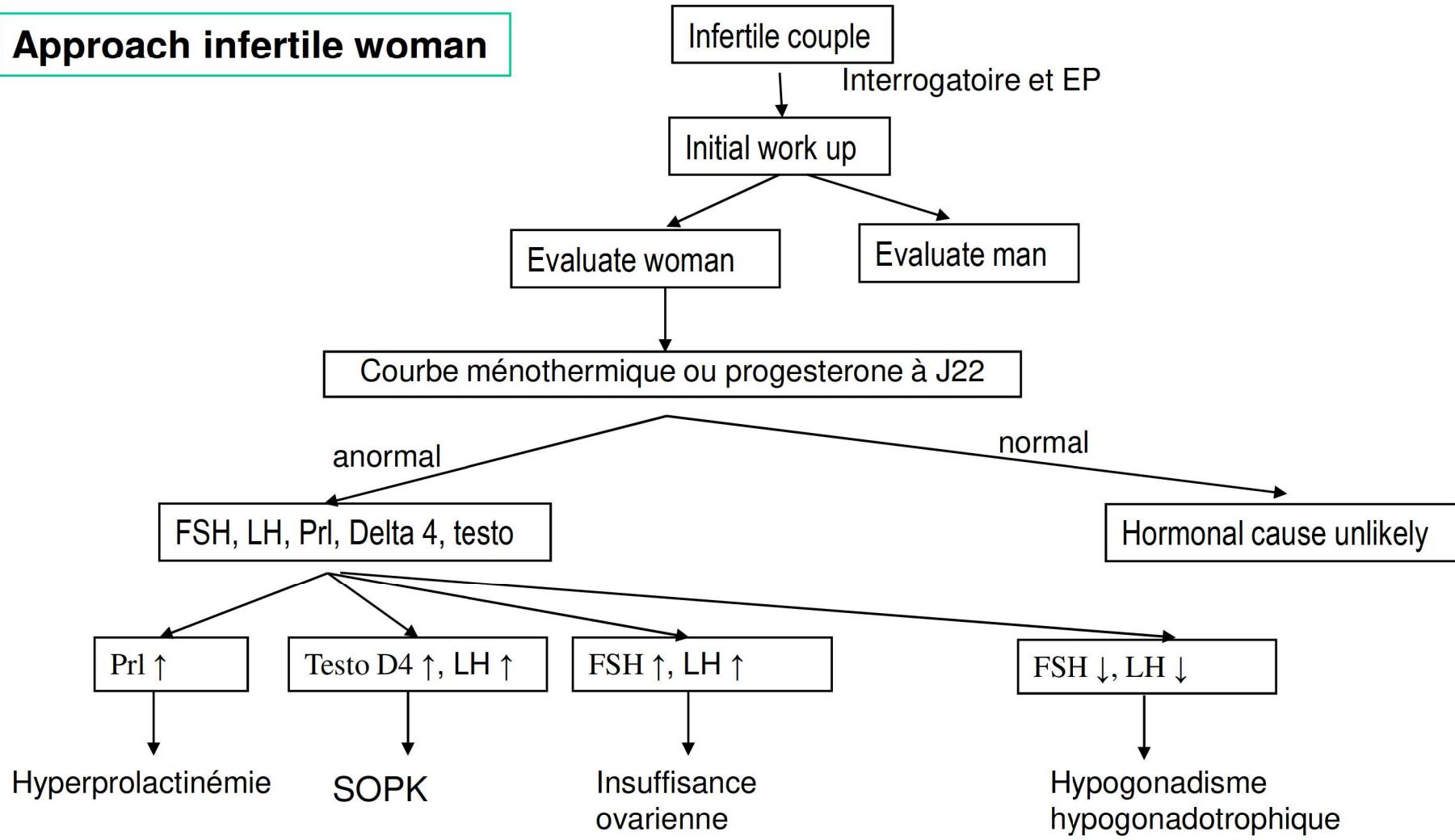


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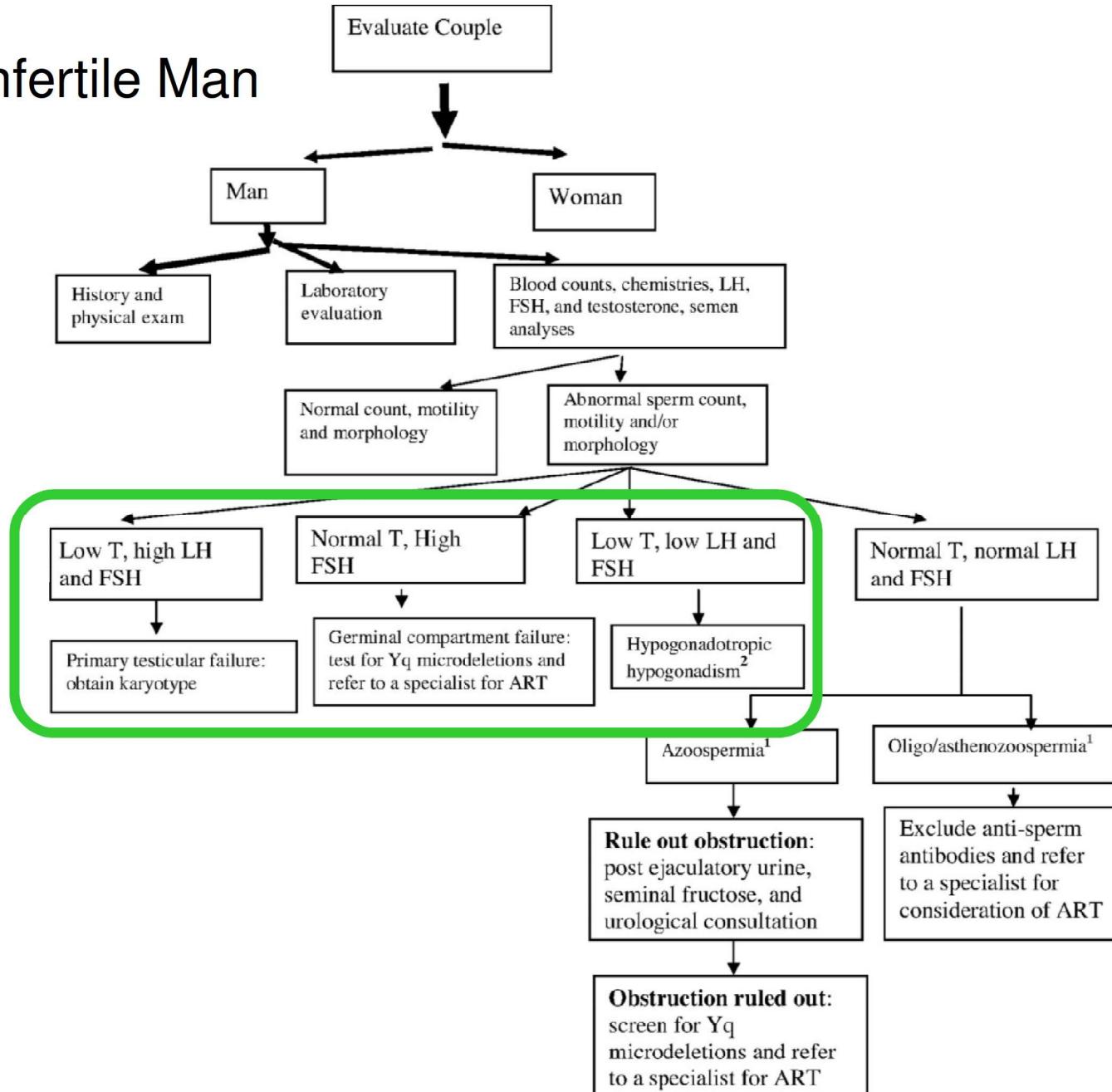
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Approach infertile woman



Approach to the Infertile Man



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Suspicion hyperprolactinémie. Préciser circonstances et symptômes

