



قسم الإنتاج الحيواني

Department of Animal Production



Reproduction in Male Birds (2)

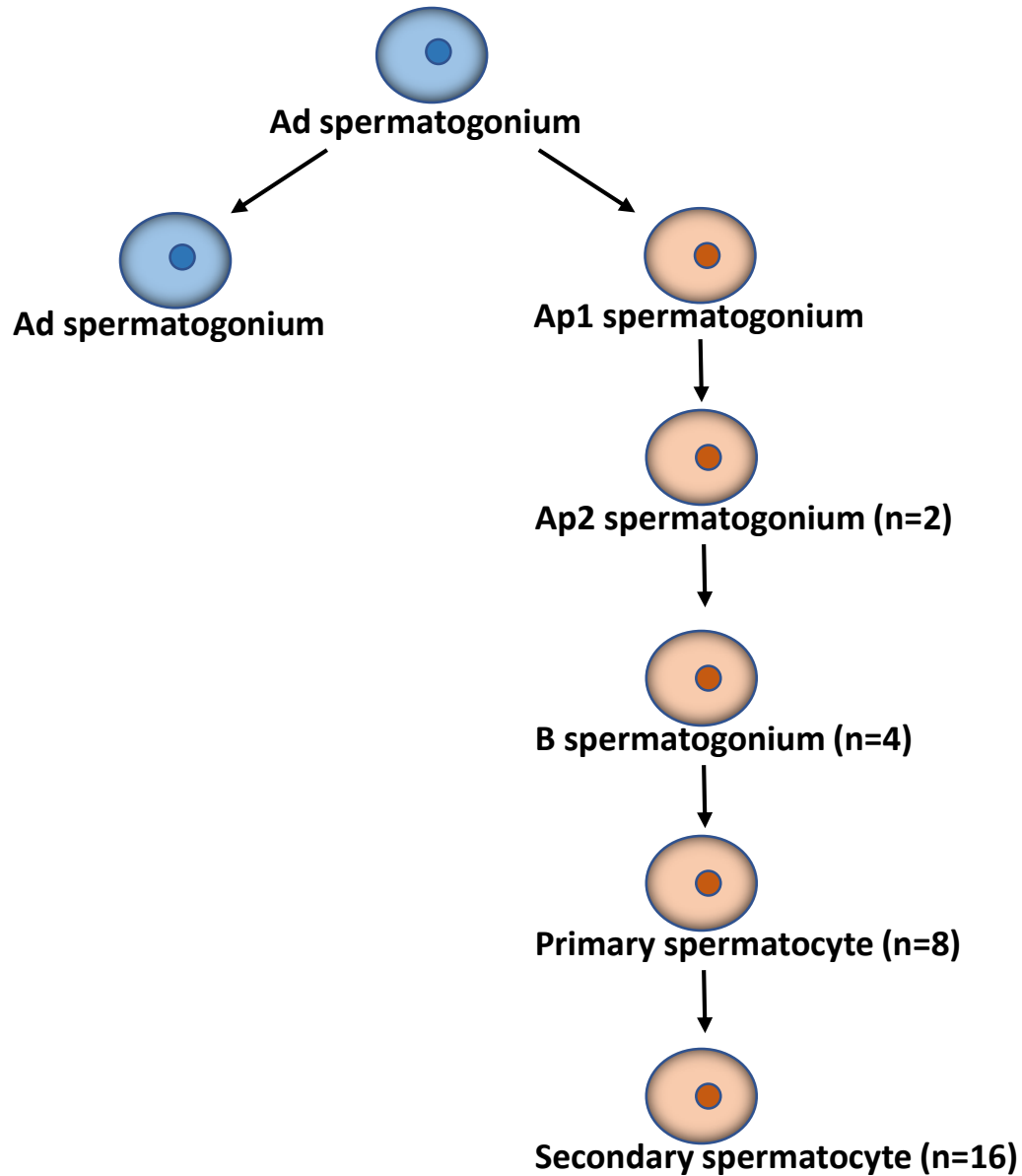
By

Prof. Dr. Gamal M. K. Mehaisen

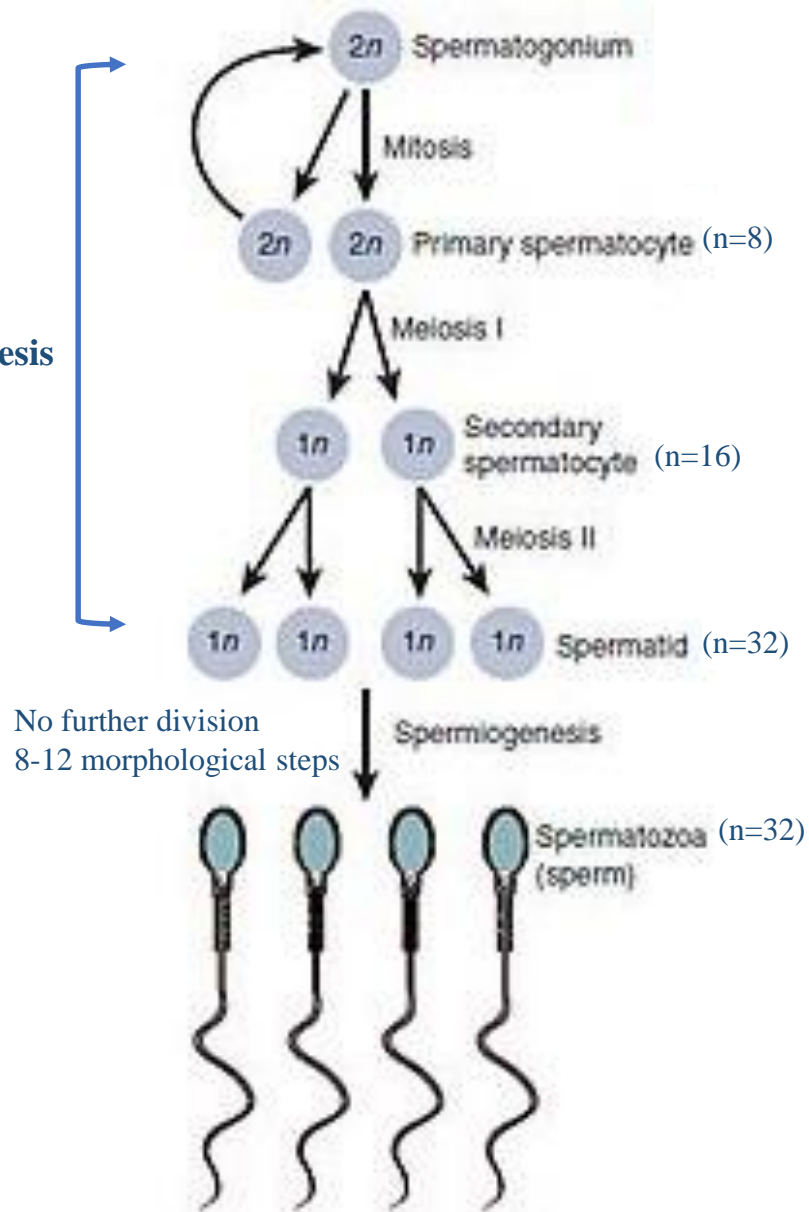
Poultry Physiology (627 AAP)

2019/2020 (Term 1)

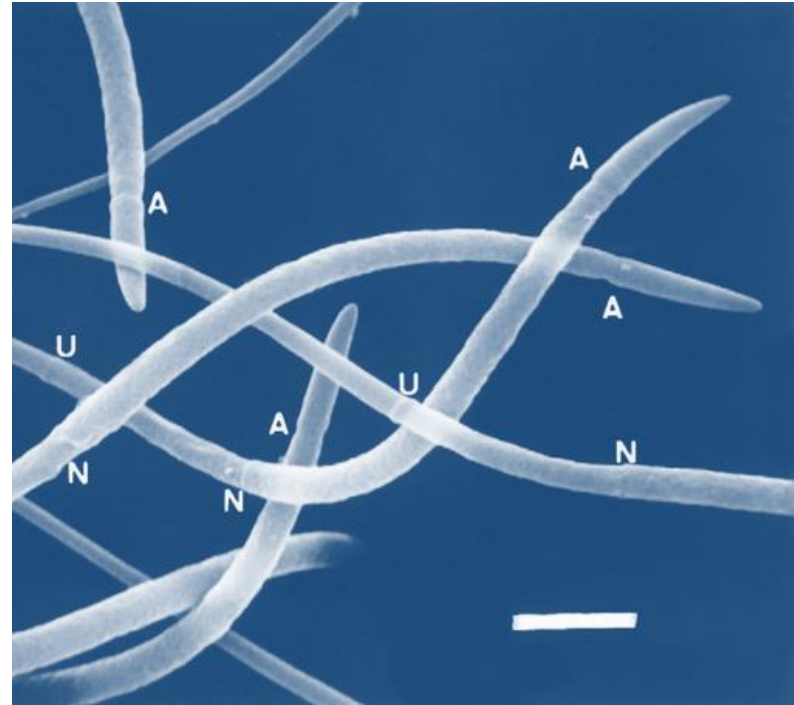
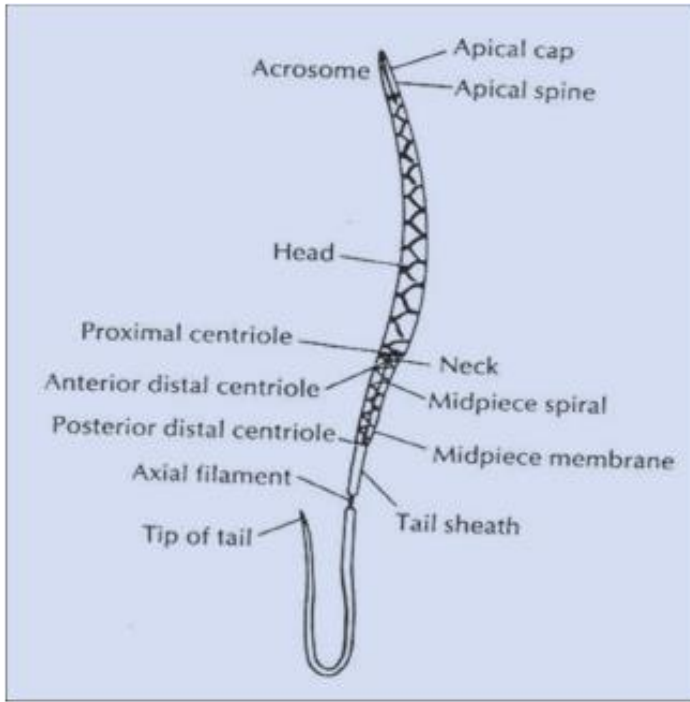
Spermatogenesis



Spermatogenesis

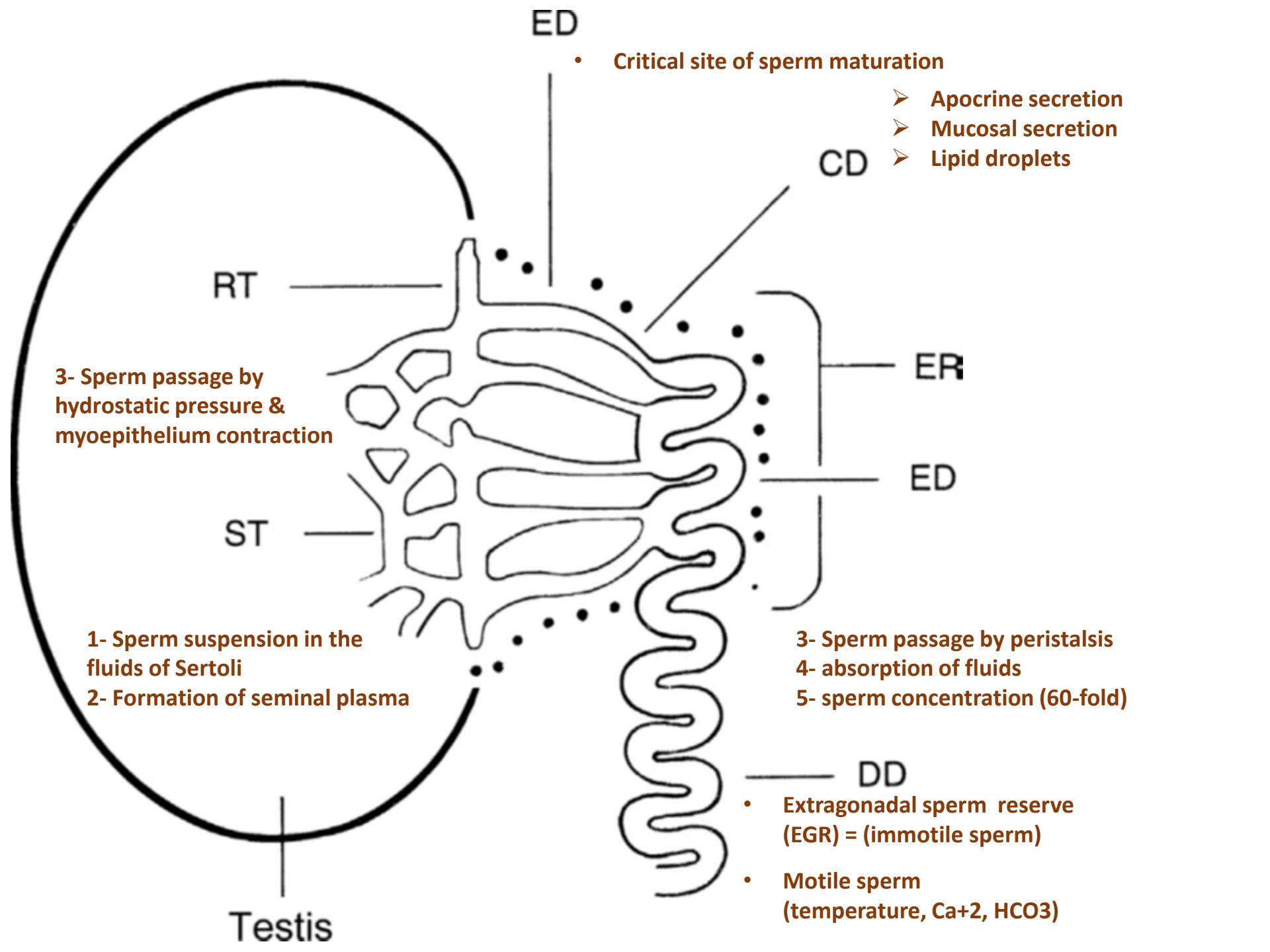


Poultry spermatozoa



- Vermiform cells
- Width 0.5-0.7 μm
- Length 75-90 μm
- Long tail, 85% of cell's length

- Conical acrosome (A)
- Head (A-N), a slightly bent cylindrical nucleus
- Midpiece (N-U), helix of 25-30 mitochondria
- Tail (flagellum)



MALE GONADAL RECRUDESCENCE AND REGRESSION

- **Seasonal migration**
- **Photoperiod**
- **Photorefractoriness (Absolute & relative)**
- **Breeding location (latitudes)**
- **Temperatures**
- **Rainfall**
- **Food availability**



ANY QUESTIONS?