

Embriologi

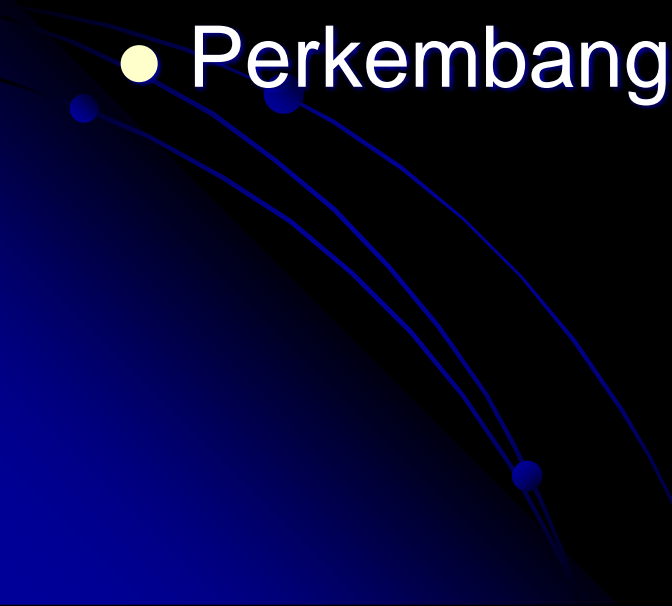


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Bagian Obstetri Ginekologi

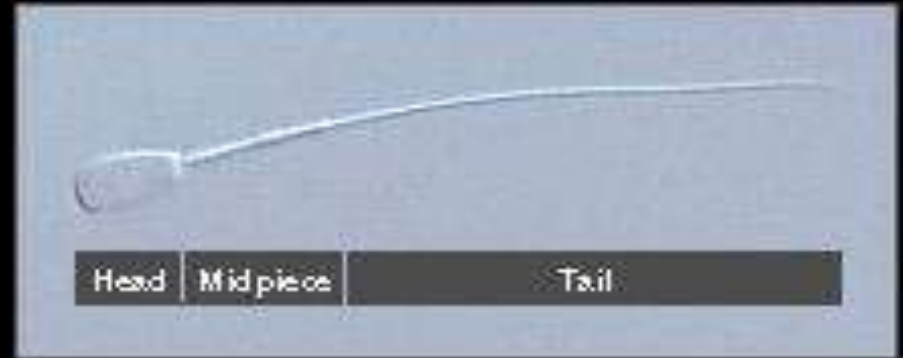
Bagian Anatomi FKIK UMY

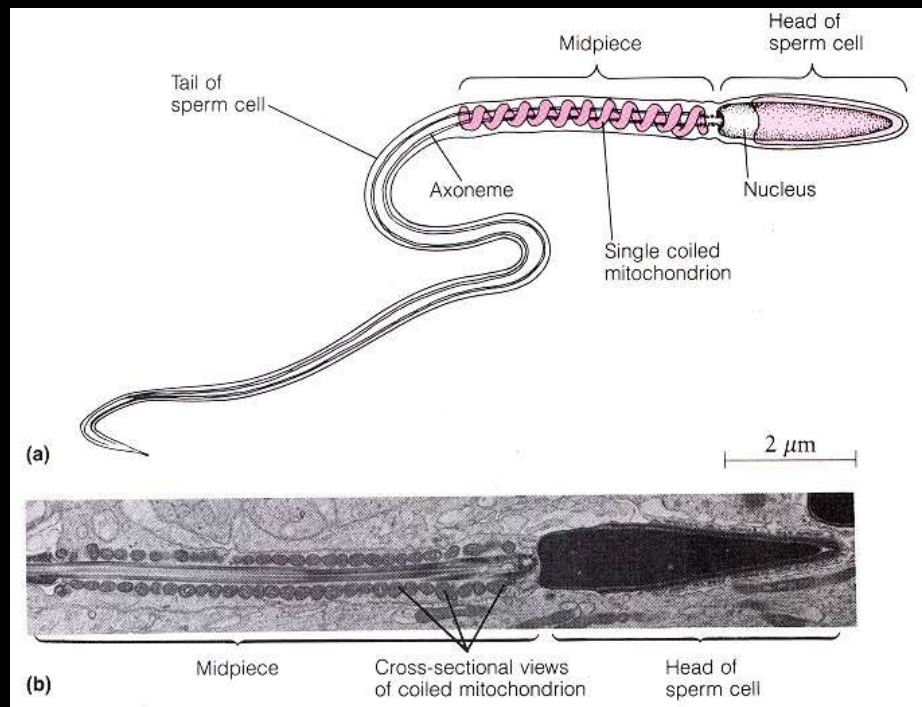
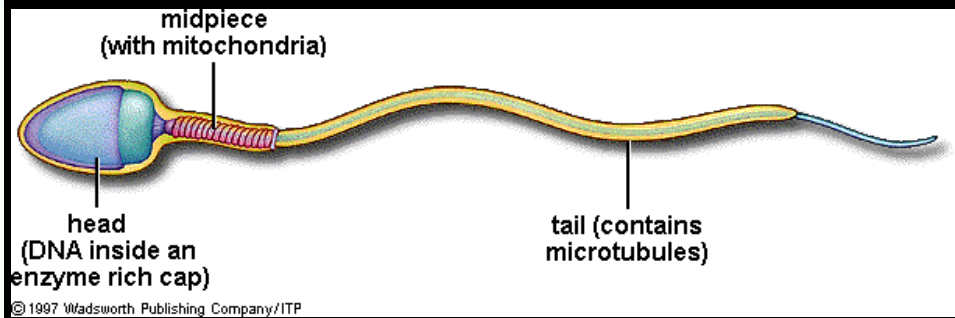
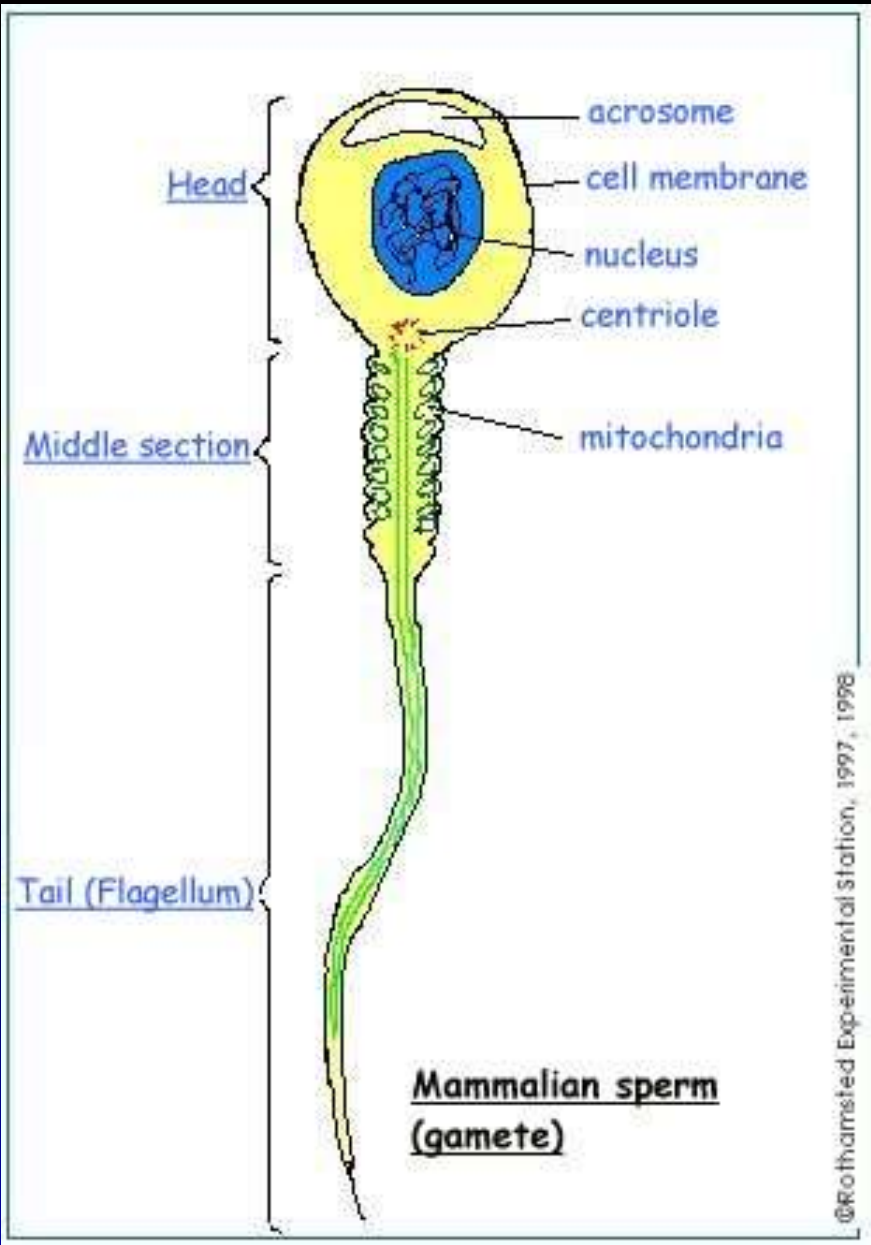
Topik

- Spermatogenesis
 - Oogenesis
 - Fertilisasi
 - Perkembangan zygot
 - Perkembangan janin
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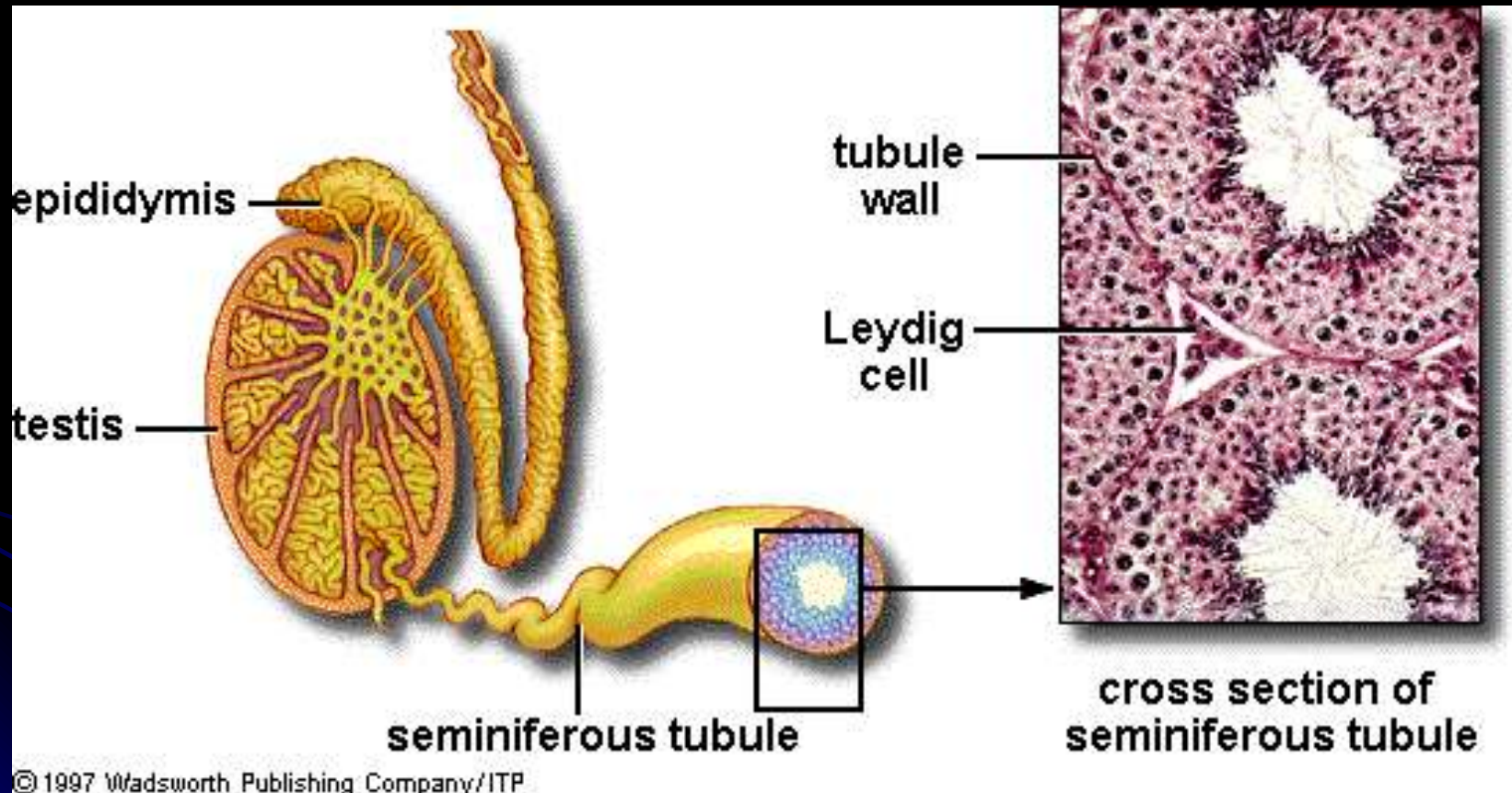
Spermatozoa

- Saat ejakulasi=orgasme
- 2-3 cc
- Jumlah 20 juta-100 juta/cc
- Warna putih kental
- Bau khas
- Kepala leher ekor
- Morfologi normal 60%
- Gerak normal 60%
- Dikeluarkan mulai pubertas sampai akhir hayat





Spermatogenesis: proses terbentuknya spermatozoa → Didalam tubulus seminiferus testis



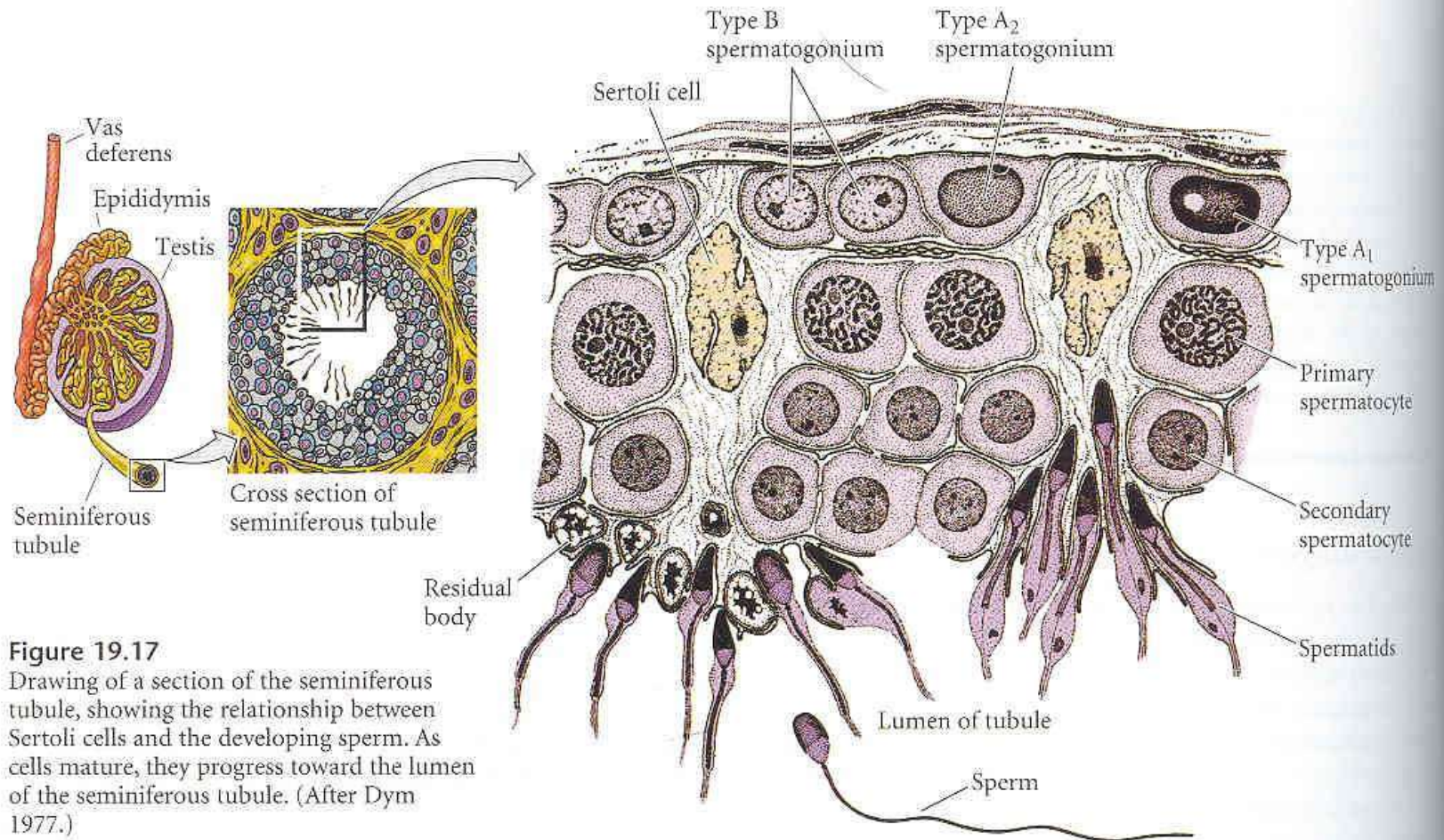
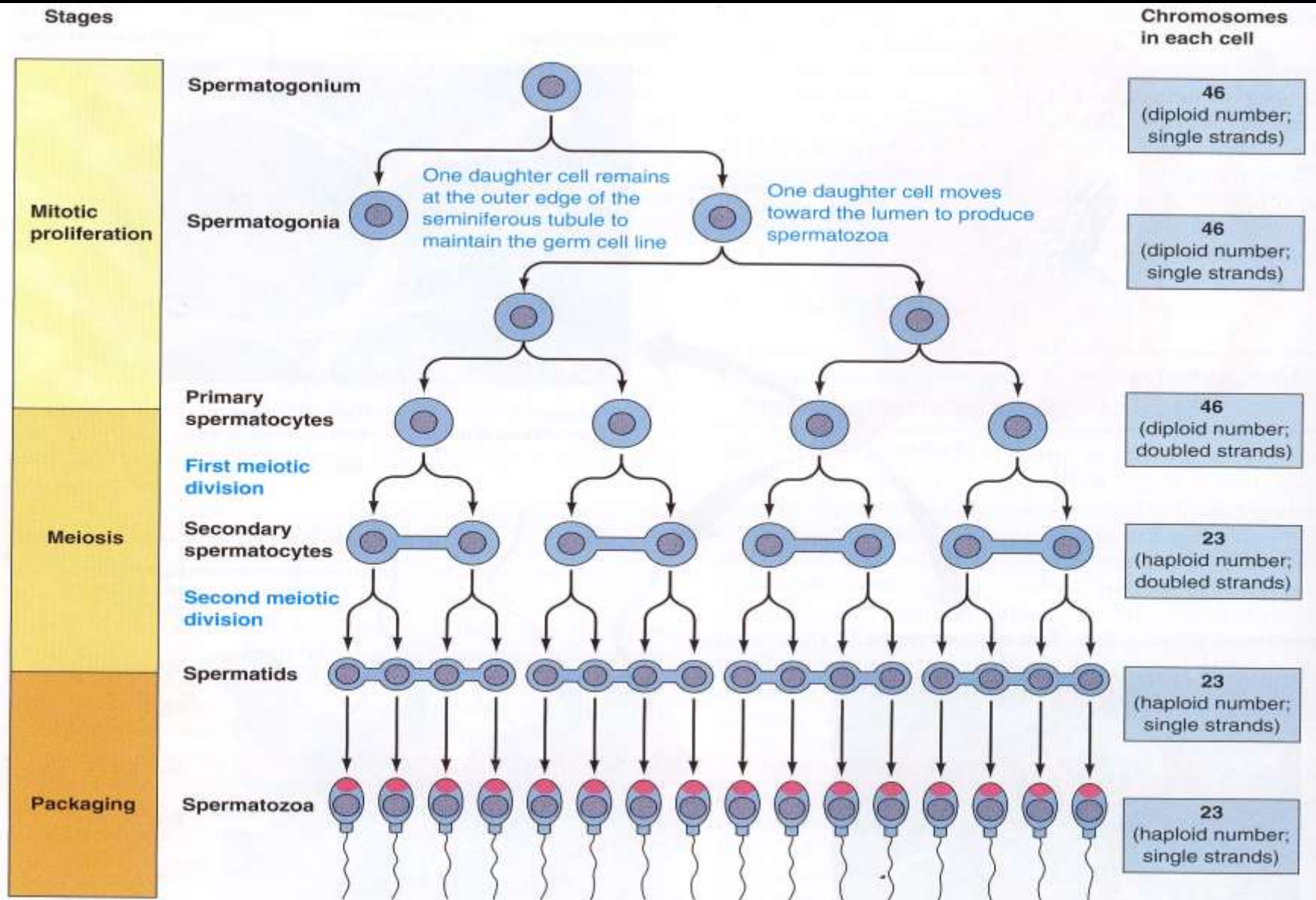


Figure 19.17

Drawing of a section of the seminiferous tubule, showing the relationship between Sertoli cells and the developing sperm. As cells mature, they progress toward the lumen of the seminiferous tubule. (After Dym 1977.)

Spermatogenesis



Ovum

- Dikeluarkan saat ovulasi
- Sekitar hari 14 siklus menstruasi
- 400 saat pubertas
- Dikeluarkan 1 setiap bulan
- Habis saat menopause

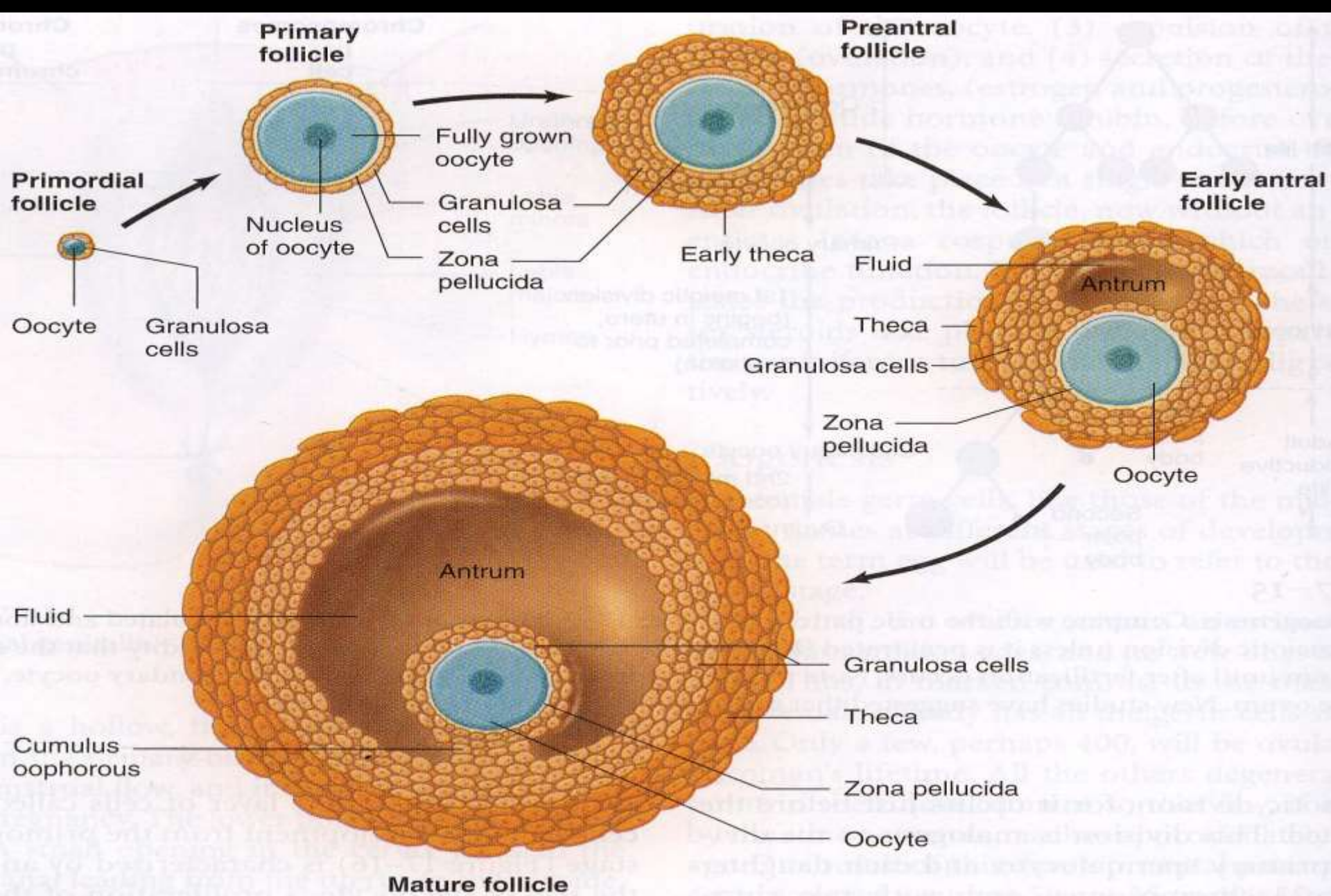


Oogenesis

- Proses perkembangan oogonium menjadi ovum
- Terjadi sejak masa embrional – masa reproduksi berakhir

Folikulogenesis

- Proses perkembangan folikel primordial menjadi folikel antral
- Berlangsung selama 375 hari (13 siklus)
- Berlangsung dinamis & kontinyu → pada ovarium terdapat banyak folikel dalam berbagai tahap perkembangan



DEVELOPMENT OF A HUMAN OOCYTE AND OVARIAN FOLLICLE