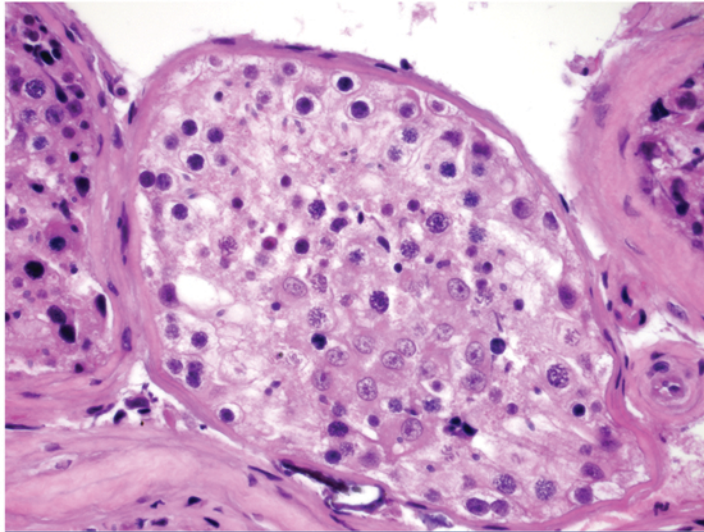


FOUR MAIN DIAGNOSES OF TESTICULAR BIOPSIES

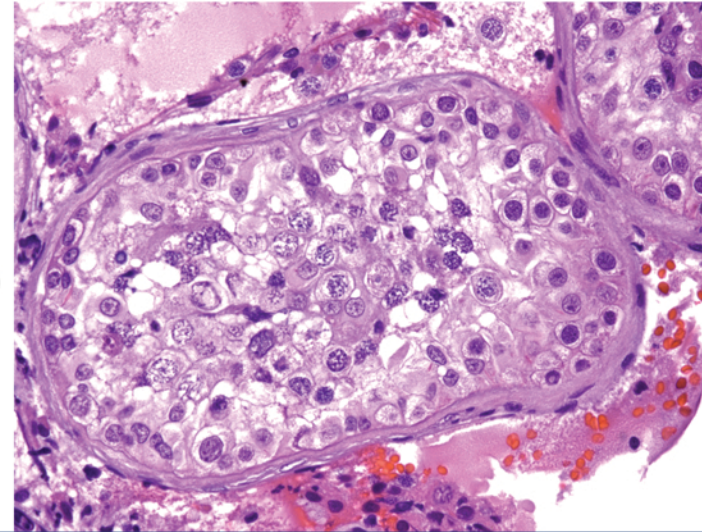
NORMAL



Normal # of Spermatocytes
Normal # of mature sperm
(>20 per seminiferous tubule)
Sertoli cells present

Dx Line: Normal spermatogenesis present with mature sperms.

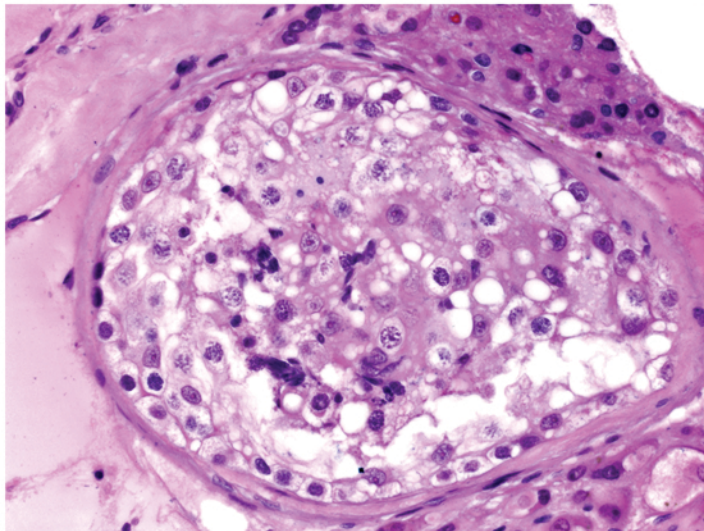
MATURATION ARREST



Decreased # of Spermatocytes
No mature sperm present
Increased # of Sertoli cells

Dx Line: Germ cells present with maturation arrest. No sperm identified.

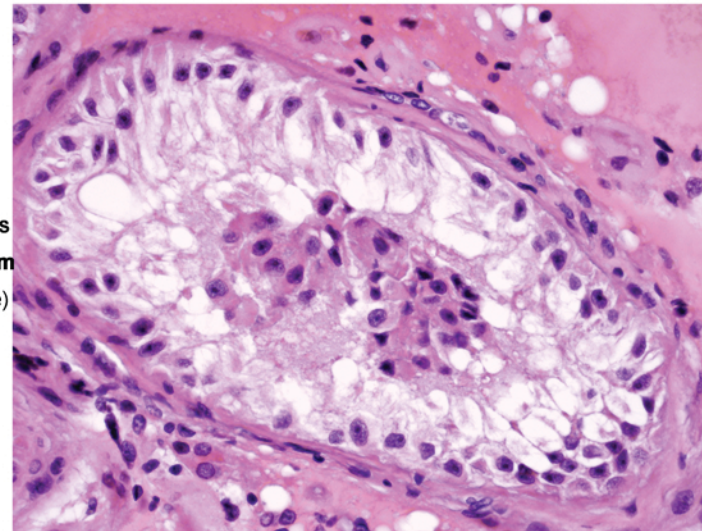
HYOSPERMATOGENESIS



Decreased # of Spermatocytes
Decreased # of mature sperm
(10-15 per seminiferous tubule)
Sertoli cells present

Dx Line: Germ cells present with decreased spermatogenesis and number of mature sperm.

GERM CELL APLASIA (SERTOLI ONLY)



No Spermatocytes present
No mature sperm present
Only sertoli cells present

Dx Line: Germ cell aplasia (Sertoli only). No sperm identified.