## Seminoma

- late onset
- low stage and low risk
- · rare lymphovascular invasion
- near-normal AFP levels
- infrequent retroperitoneal lymphadenectomy and chemotherapy
- suppression of gonad hormons (T, E2, HCG)
- activation of pituitary hormons (FSH, LH)
  decreased pre-surgery prolactin

## Key differrences

- AFP levels
   retroperitoneal lymphadenectomy
- 3. age at surgery4. FSH5. E2
- 5. E∠ 6. tumor size
- 7. LH
- 8. chemotherapy 9. HCG

- Non-seminomatous germ cell tumors
  - early onset
    - high stage and high risk
    - frequent lymphovascular invasion
  - high AFP levels
  - high frequency of retroperitoneal lymphadenectomy and chemotherapy
- activation of gonad hormons (T, E2, HCG)
- suppression of pituitary hormons (FSH, LH)increased pre-surgery prolactin