

Seminoma

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

Mixed-histology

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

Key differences

1. AFP levels
2. retroperitoneal lymphadenectomy
3. FSH
4. Age
5. LH
6. E2
7. HCG
8. lymphovascular invasion