

|                            |         | Dysgerminoma   | Endodermal sinus tumor (yolk sac tumor)           | Embryonal carcinoma           | Choriocarcinoma                          | Teratoma |
|----------------------------|---------|----------------|---|-------------------------------|--|----------|
| Ovarian germ cell tumors : | Therapy | Radiosensitive | Chemotherapy (Radioresistant)                     | Chemotherapy (Radioresistant) | Radioreistant <b>AND</b> chemoresistant. | -        |
|                            | +Ve to  | PLAP positive  | - alpha-fetoprotein and<br>- alpha-1-antitrypsin. | CD30 immunostainpositive      | HCG immunostainpositive.                 | -        |

|                               |         | SGCTs                              |                        | NSGCTs  |   |                          |          |
|-------------------------------|---------|------------------------------------|------------------------|---|---|--------------------------|----------|
|                               |         | Seminoma                           | Spermatocytic Seminoma | Endodermal sinus tumor (yolk sac tumor)           | Embryonal carcinoma   | Choriocarcinoma          | Teratoma |
| Testicular germ cell tumors : | Therapy | <b>Radiosensitive</b>              |                        | <b>Chemoresensitive</b>                           |   |                          |          |
|                               | +Ve to  | PLAP, OCT4 stain and c-kit (CD117) | -                      | - alpha-fetoprotein and<br>- alpha-1-antitrypsin. | Tumor cells are positive for <b>cytokeratin (CK)</b> and <b>CD30 stain.</b> | HCG immunostainpositive. | -        |