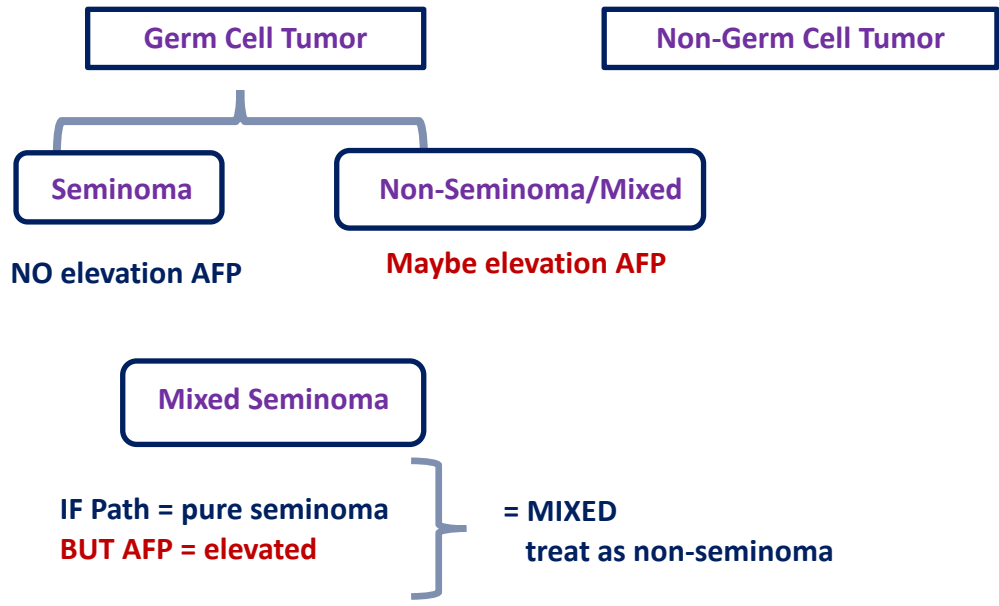


# Testicular Cancer Reference Handout

# Testicular Cancer Dx



## Tumor Markers (half lives)

AFP (7-10D)  
HCG (2-3D)  
LDH (2-3D)

1 month post-op

## STAGING

Stage IS = S1-3, any T, N0, M0  
Stage I = N0, S0  
Stage 2 = N+, S0-1  
Stage 3 = S2-3

# Testicular Cancer Risk

SEMINOMA	NON-SEMINOMA
<p><b>GOOD RISK</b></p> <p>Can have pulmonary mets Can have mediastinal mets</p>	<p><b>GOOD RISK</b></p> <p>S1 level tumor markers AFP &lt;1K HCG &lt;5K LDH &lt;1.5x ULN Stage IS</p>
<p><b>INTERMEDIATE RISK</b></p> <p>Non-pulm visceral mets</p>	<p><b>INTERMEDIATE RISK</b></p> <p>S2 level tumor markers AFP 1-10K HCG 5-50K LDH 1.5-10x ULN</p>
<p><b>Prognosis</b></p> <p><b>Good Risk</b> 5Y OS = 90%</p> <p><b>Intermediate Risk</b> 5Y OS = 80%</p> <p><b>Poor Risk</b> 5Y OS = 50%</p>	<p><b>POOR RISK</b></p> <p>S3 level tumor markers AFP &gt;10K HCG &gt;50K LDH &gt;10x ULN Non-pulmonary visceral mets Mediastinal mass</p>

## Testicular Cancer Tx Stage I-IIA

**SEMINOMA** NO elevation in tumor markers  
NO Poor Risk Group

### Orchiectomy +

<b>Stage I</b> NO	Observation Consider RT <b>OR</b> Consider chemo
<b>Stage II</b> N+	Adjuvant RT <b>OR</b> Adjuvant Chemo (Carbo x 1-2C)

**NO RPLND for seminomas!**

**NON-SEMINOMA** YES elevation in tumor markers  
**MIXED** YES Poor Risk Group

### Orchiectomy +

<b>Stage I</b> NO	Observation Consider RLPND <b>OR</b> Consider chemo (BEP x 1-2C)
<b>Stage II</b> N+	Adjuvant RPLND <b>OR</b> Adjuvant Chemo (BEP x1-2C)

**NO RT for non-seminomas!**

## Testicular Cancer Tx Stage IIB-IV

### SEMINOMA

NO elevation in tumor markers  
NO Poor Risk Group

<b>Good Risk</b>	BEP x3 EP x4
<b>Intermediate Risk</b>	BEP x4 VIP x4

### NON-SEMINOMA/MIXED SEMINOMA

**YES** elevation in tumor markers  
**YES** Poor Risk Group

<b>Good Risk</b>	BEP x3 EP x4
<b>Intermediate Risk</b> <b>Poor Risk</b>	BEP x4 VIP x4

### Chemo Regimens

**BEP:** (B) Bleomycin  
(E) Etoposide  
(P) Cisplatin

**EP:** (E) Etoposide  
(P) Cisplatin

**VIP:** (V) Etoposide  
(I) Ifosfamide  
(P) Cisplatin

### Chemo Side Effects

**Bleomycin** → Pneumonitis, Rash

**Cisplatin** → Neuropathy, nephropathy, ototoxicity

**Ifosfamide** → Hemorrhagic cystitis, CNS toxicity

**Paclitaxel** → Neuropathy