



Rationale Endpoints

Study Schema

Treatment Plan

Key Eligibility Criteria

Follow Up

Please use the headings above to navigate through the different sections of the poster

Alliance A031102: A Randomized Phase III Trial Comparing Conventional-Dose Chemotherapy Using Paclitaxel, Ifosfamide, and Cisplatin (TIP) with High-Dose Chemotherapy Using Mobilizing Paclitaxel Plus Ifosfamide Followed By High-dose Carboplatin and Etoposide (TI-CE) as First Salvage Treatment Of Germ Cell Tumors (TIGER)

Darren R. Feldman, MD

Memorial Sloan Kettering Cancer Center

Endpoints



TAP TO



Primary

Overall Survival (OS)

Sample size = 420 patients (expected deaths = 232)

- 168 patients from US Cooperative Groups; 252 patients from EORTC
- Cure rate model: 35% of patients will be cured with TIP (median OS 1.5yrs)
- Power 81%, 1-sided type I error rate = 0.05 where TI-CE will reduce the hazard by 29% (θ =0.71)
 - Efficacy & futility analyses regularly per Alliance policy
- Formal toxicity analysis for early stopping (90% CI for one-sided difference in treatmentrelated mortality > 16%)

Secondary

- Progression-free survival (PFS)
- Favorable response rate
 - · CR and PR-negative markers
- Treatment-related mortality
- Toxicities by CTCAE v4.0
- Validation of the IPFSG risk model [3]

Correlative Studies

Quality of life assessment of TIP vs. TI-CE using EORTC QLQ-C30 and the QLQ-TC26

- Pharmacogenomics: correlation of SNP rs1649942 (associated with platinum response) with PFS in the entire study population
- Tumor whole exome analysis assessing for the association of genetic alterations with OS
- DNA Repair genes (TP53) [6]
- PI3K/RAS/RAF genes⁷

References: 3. Lorch J Clin Oncol 28:4906-11, 2010; 6. Feldman J Clin Oncol (Epub 2016); 7. Feldman. Clin Cancer Res 20 (14); 3712–20, 2014



Alliance A031102: A Randomized Phase III Trial Comparing Conventional-Dose Chemotherapy Using Paclitaxel, Ifosfamide, and Cisplatin (TIP) with High-Dose Chemotherapy Using Mobilizing Paclitaxel Plus Ifosfamide Followed By High-dose Carboplatin TAP TO and Etoposide (TI-CE) as First Salvage Treatment Of Germ Cell Tumors (TIGER) **RETURN TO** Darren R. Feldman, MD **KIOSK MENU** Memorial Sloan Kettering Cancer Center National Clinical **Treatment Plan** NCI FOR CLINICAL TRIALS IN ONCOLOGY Trials Network a National Cancer Institute program Rationale ARM A (CDCT): TIP⁴ ARM B (HDCT): TI-CE⁵ Endpoints Study Schema **Drugs and Doses** Infusion Time Days Cycle # **Cycle Duration Drugs and Doses** Days Paclitaxel 250mg/m² 24 hours 1 1-2 Paclitaxel 200mg/m² 14 days 1 Treatment Plan Ifosfamide 1500mg/m² Ifosfamide 2000mg/m²/d 1-2 hours 2-5 2-4 Key Eligibility Criteria 3, 4, 5 21 days Etoposide 400mg/m²/d 1-3 Mesna 1-2 hours 2-5 Cisplatin 25mg/m2 2-5 Carboplatin AUC 7-8/d 1-3 0.5 - 1 hour Follow Up 4 cycles given every 21 days G-CSF 10mcg/kg/d G-CSF 0mcg/kg/ Exact infusion time at discretion Please use the of investigator and institution headings above to Dav 1 navigate through the Levofloxacin 500mg daily Cycle 3 different sections of Paclitaxel Cisplatin Cycle 1 Cycle 5 given as the poster Paclitaxel Carboplatin prophylaxis from Leukopheresis Stem cell fosfamide Ifosfamide day 7 to 13 of each cycle

References: 4. Kondagunta J Clin Oncol 23: 6549–55, 2005; 5. Feldman J Clin Oncol 28:1706-13, 2010



Rationale

Endpoints

Study Schema

Treatment Plan

Key Eligibility Criteria

Follow Up

Please use the headings above to navigate through the different sections of the poster Alliance A031102: A Randomized Phase III Trial Comparing Conventional-Dose Chemotherapy Using Paclitaxel, Ifosfamide, and Cisplatin (TIP) with High-Dose Chemotherapy Using Mobilizing Paclitaxel Plus Ifosfamide Followed By High-dose Carboplatin and Etoposide (TI-CE) as First Salvage Treatment Of Germ Cell Tumors (TIGER)

Darren R. Feldman, MD

Memorial Sloan Kettering Cancer Center

Key Eligibility Criteria



TAP TO

RETURN TO

NCI National Clinical Trials Network

a National Cancer Institute program

- Male
- Age ≥ 14 years
- ECOG 0 2
- · Histologic confirmation of GCT diagnosis
- Evidence of progressive disease after one line of cisplatin-based chemotherapy including:
 - · Biopsy of new/growing mass consistent with non-teratomatous GCT
 - Rising HCG or AFP
 - · New or enlarging lesions in the setting of elevated (even if not rising) HCG or AFP
- Received 1 prior line of cisplatin-based chemo (3 6 cycles)
- No prior treatment with TIP or HDCT
- GFR ≥ 50ml/min by 2 methods or ≥ 70ml/min by 1 method
- ANC ≥ 1,500/mm3, PLT ≥ 100,000/mm3
- T bilirubin \leq 2.5 x ULN and AST/ALT \leq 2.5 x ULN
- Negative serology for HIV, HTLV, Hep B, and Hep C
- · No secondary somatic malignancy arising from teratoma



Please use the headings above to navigate through the different sections of the poster

Contact Us

Study Chair: Darren R. Feldman, Memorial Sloan Kettering Cancer Center E-mail: feldmand@mskcc.org Phone: 212-639-7202

Protocol Coordinator: Colleen Watt E-mail: cboyle@uchicago.edu Phone: 773-702-4670