

Tiselizumab With or Without Capecitabine Continuation in Gastric or Gastro-oesophageal Junction Cancer: RATIONALE-305 Post Hoc Analysis2100P

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CONCLUSIONS

- In advanced gastric or gastro-oesophageal junction cancer (GC/GEJC), patients who completed six cycles of tiselizumab plus CAPOX (capecitabine plus oxaliplatin) or placebo plus CAPOX and continued capecitabine had substantially longer survival vs those who discontinued capecitabine (median overall survival [OS]: 21.0 months vs 10.2 months with tiselizumab; 18.1 months vs 12.3 months with placebo)
- Patients who received tiselizumab with capecitabine continuation demonstrated significantly longer OS compared with those who received placebo with capecitabine continuation (21.0 vs 18.1 months; hazard ratio [HR]=0.78; nominal *P*=.0071)
- Tiselizumab with capecitabine continuation treatment showed significant improvements in OS, progression-free survival (PFS), and objective response rate (ORR) vs placebo with capecitabine continuation
- Continuation of capecitabine with tiselizumab did not result in any new safety signals, making this a suitable option after tiselizumab plus CAPOX in patients with locally advanced or metastatic GC/GEJC
- Investigators had a strong preference to administer capecitabine continuation when patients were eligible
- Among patients who received CAPOX without capecitabine continuation, PFS and ORR were numerically higher with tiselizumab vs placebo, but not statistically significant, and no OS advantage was observed

INTRODUCTION

- Standard systemic therapy for GC/GEJC typically includes fluoropyrimidines (5-fluorouracil [5-FU] or capecitabine), platinum agents (oxaliplatin or cisplatin), and, in the modern era, immune checkpoint inhibitors (ICIs) for advanced disease^{1,3}
- Tiselizumab, an anti–programmed cell death protein-1 (PD-1) monoclonal antibody, demonstrated improved OS when combined with chemotherapy in the phase 3 RATIONALE-305 trial (NCT03777657), which evaluated tiselizumab or placebo with CAPOX or cisplatin plus 5-FU⁴
- Preclinical studies suggest that oxaliplatin-based regimens may synergise more effectively with PD-1 inhibitors like tiselizumab compared with other platinum agents through immunogenic cell death mechanisms⁵
- No high-level evidence has been generated for continuation therapy with ICIs alone or with capecitabine after CAPOX induction for advanced GC/GEJC, although small retrospective studies have suggested potential benefits of capecitabine maintenance.^{6,8} Continuation strategies may have significant implications for patients' quality of life, highlighting the importance of evaluating patient values in maintenance therapy decision-making⁹
- Here we present the first post hoc analysis of a phase 3 trial evaluating the efficacy and safety of tiselizumab with capecitabine continuation or placebo with capecitabine continuation after induction treatment with six cycles of tiselizumab plus CAPOX or placebo plus CAPOX in patients with human epidermal growth factor receptor 2 (HER2)-negative, advanced GC/GEJC

METHODS

- RATIONALE-305 was a randomised, double-blind, placebo-controlled phase 3 trial comparing tiselizumab plus chemotherapy with chemotherapy alone in treatment-naïve patients with locally advanced or metastatic GC/GEJC^{4,10}
- Eligible patients with HER2-negative, unresectable locally advanced or metastatic GC/GEJC were randomised 1:1 to receive tiselizumab or placebo in combination with CAPOX or cisplatin plus 5-FU for up to six cycles. Capecitabine continuation with tiselizumab or placebo was at the investigator's discretion (**Figure 1**)
- This analysis included patients who received tiselizumab plus CAPOX or placebo plus CAPOX and who were alive and remained on study after completing six cycles of chemotherapy
- A sensitivity analysis was conducted, excluding patients who had experienced disease progression after six cycles, to assess the robustness of findings
- The primary endpoint was OS in patients with programmed death-ligand 1 (PD-L1)–positive Tumor Area Positivity (TAP) score ≥5% and in all patients regardless of PD-L1 expression
- All efficacy endpoints (OS, PFS, ORR) were measured from the time of enrollment; all *P*-values are nominal

Figure 1. Study Design

