

# innovaTV 207 Parts E and F: A Phase 2 Study of Tisotumab Vedotin in Patients with Head and Neck Squamous Cell Carcinoma (Trial in Progress)

Tanguy Y. Seiwert, MD<sup>1</sup>, Lara A. Dunn, MD<sup>2</sup>, Lova Sun, MD<sup>3</sup>, Thomas J. George, MD<sup>4</sup>, Dan P. Zandberg, MD<sup>5</sup>, Christine H. Chung, MD<sup>6</sup>, William N. William Jr., MD<sup>7</sup>, Douglas Adkins, MD<sup>8</sup>, Kristi Schmidt, MD<sup>9</sup>, Ibrahima Soumaoro, MD<sup>10</sup>, Leonardo Nicacio, MD<sup>9</sup>, and Nabil F. Saba, MD<sup>11</sup>

<sup>1</sup>Johns Hopkins Medicine, Baltimore, MD, USA; <sup>2</sup>Memorial Sloan Kettering Cancer Center, New York, NY, USA; <sup>3</sup>University of Pennsylvania, Philadelphia, PA, USA; <sup>4</sup>University of Florida, Gainesville, FL, USA; <sup>5</sup>UPMC Hillman Cancer Center, University of Pittsburgh, Pittsburgh, PA, USA; <sup>6</sup>H. Lee Moffitt Cancer Center and Research Institute, Tampa, FL, USA; <sup>7</sup>Oncoclinicas, São Paulo, Brazil; <sup>8</sup>Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine, St. Louis, MO, USA; <sup>9</sup>Seagen Inc., Bothell, WA, USA; <sup>10</sup>Genmab US, Inc., Plainsboro, NJ, USA; <sup>11</sup>Winship Cancer Institute, Emory University, Atlanta, GA, USA

## Summary

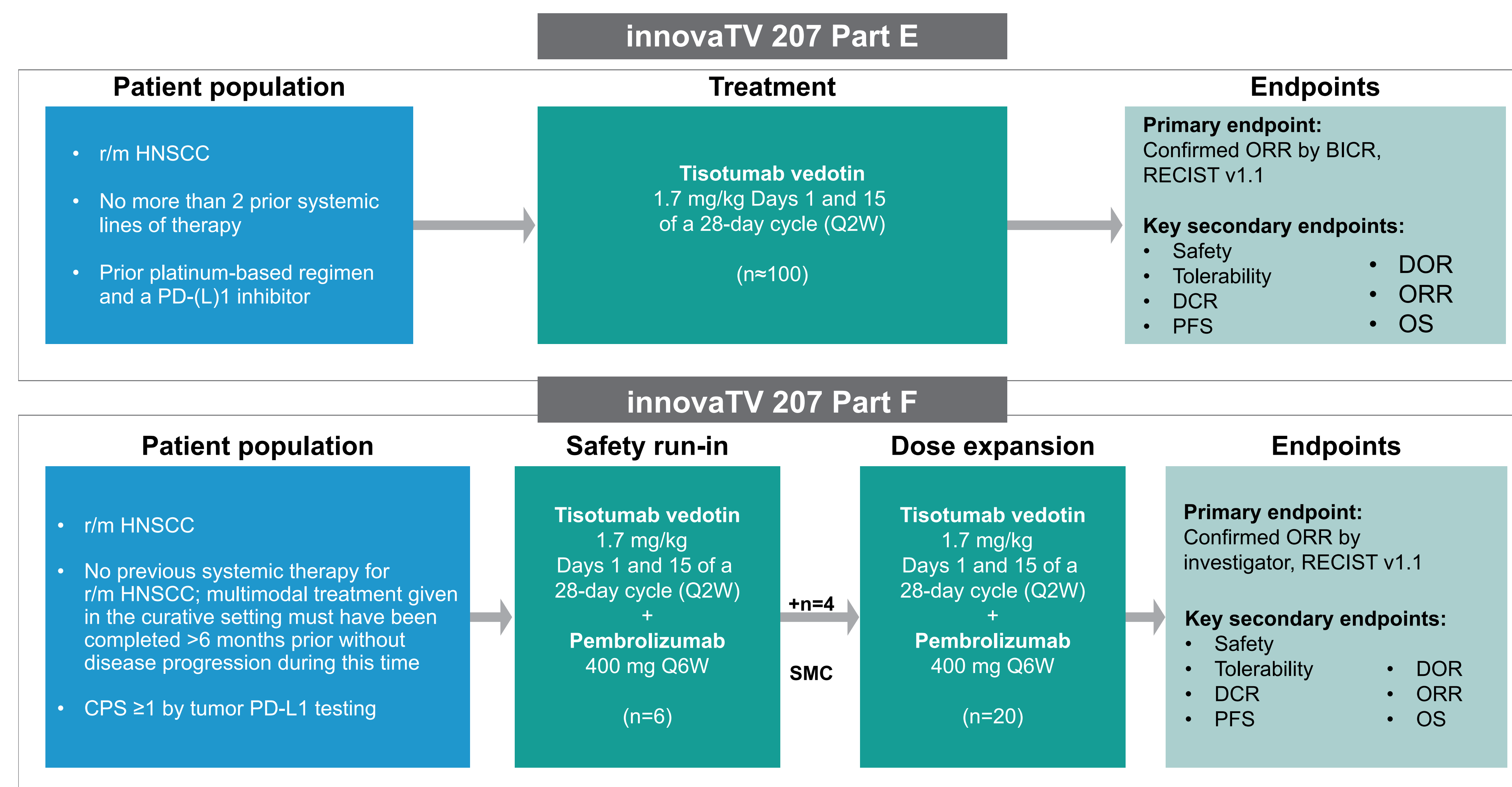
- innovaTV 207 is an open-label, phase 2, multicenter study evaluating TV monotherapy or in combination for advanced solid tumors, including patients with r/m HNSCC
  - Two new HNSCC cohorts have been added to the study: Part E is evaluating 2L/3L TV monotherapy and Part F is evaluating 1L TV + pembrolizumab
- Enrollment for innovaTV 207 Parts E and F is currently open and enrolling in Europe, USA, and Brazil

## Background

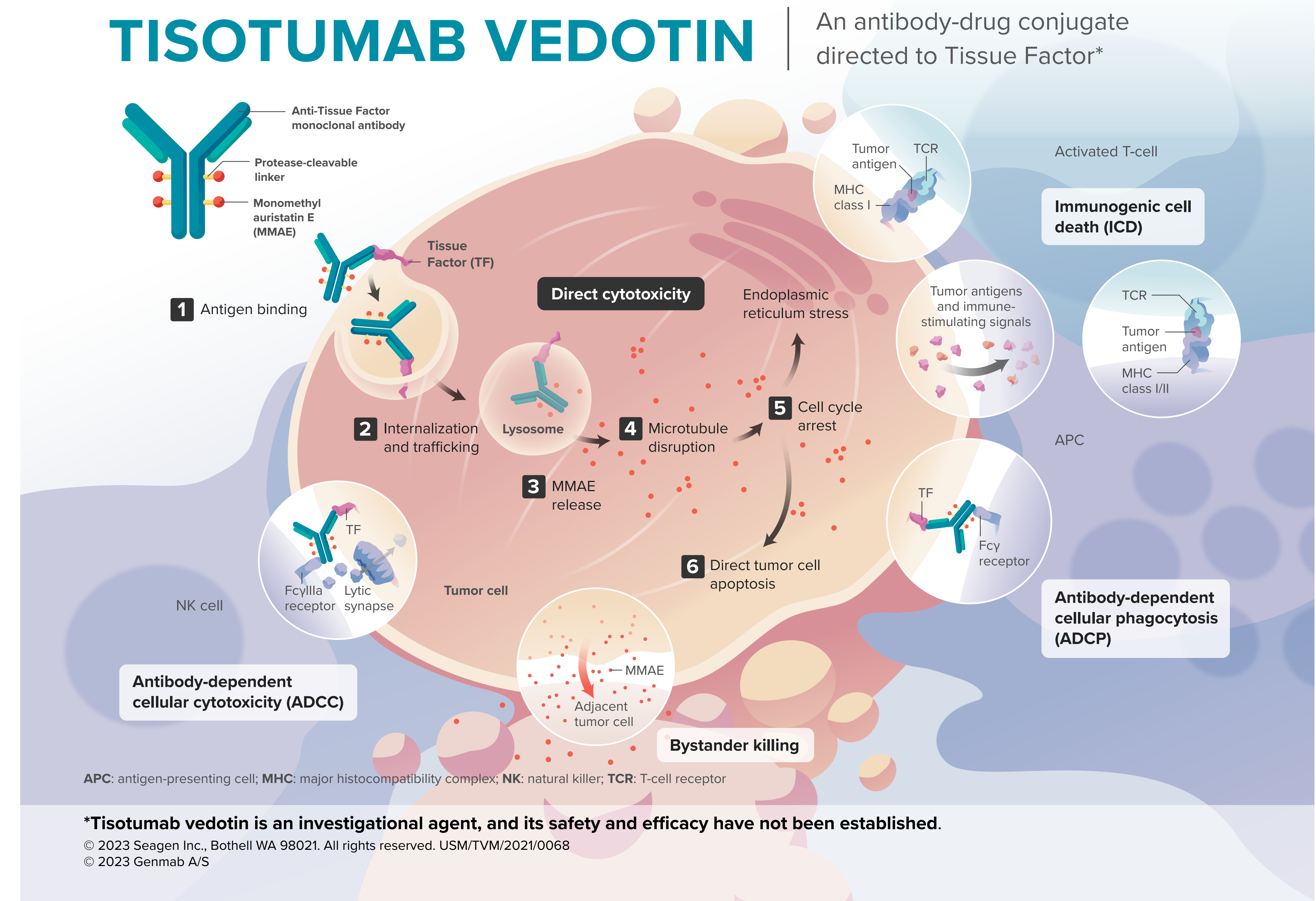
- An estimated 932,000 patients were diagnosed with head and neck cancer in 2020, resulting in more than 467,000 deaths, and categorizing it as the seventh most common cancer worldwide<sup>1</sup>
  - SCC is the most common histology of head and neck cancers<sup>2</sup>
- Recently, the introduction of immunotherapy has improved outcomes in the frontline treatment of r/m HNSCC, though clinical outcomes can be further optimized<sup>3</sup>
- For patients with disease progression after prior immunotherapy and platinum-based chemotherapy, there remains a large unmet need for novel and effective therapies, with no global standard of care and available chemotherapy options demonstrating limited activity<sup>3-5</sup>
- Tisotumab vedotin (TV) is a TF-directed ADC composed of 1) a fully human monoclonal antibody specific for TF, 2) the microtubule-disrupting agent MMAE, and 3) a protease-cleavable linker that covalently links MMAE to the antibody
- Preclinical data suggest that vedotin-based ADCs, including TV, may induce cancer cell apoptosis in a manner consistent with immunogenic tumor cell death, providing a rationale for combining TV with immune checkpoint inhibitors<sup>6</sup>
- A recent study evaluating the combination of TV with other therapeutics, including immune checkpoint inhibitors, has shown promising data in cervical cancer<sup>7</sup>
- In patients with r/m HNSCC with disease progression after prior platinum therapy and immunotherapy, TV monotherapy has shown encouraging antitumor activity<sup>8</sup>
- Here, we present the newly added and enrolling cohorts to innovaTV 207 (NCT03485209) in patients with r/m HNSCC

## Study Design

- innovaTV 207 is an open label, phase 2, multicenter study evaluating TV monotherapy or in combination with pembrolizumab ± carboplatin
- In the newly added Parts E and F, only patients with r/m HNSCC who are not eligible for surgery or radiation will be enrolled
- The decision to open Part G (not depicted) will be made after reviewing safety and efficacy data from Part F
  - In Part G, patients will receive carboplatin (Q2W), pembrolizumab (Q6W), and TV on Days 1, 15, and 29 of every 6-week cycle (1.7 mg/kg Q2W)



## Proposed Mechanism of Action



## Assessments

- Response assessments every 6 weeks after screening/baseline during the first 30 weeks, and every 12 weeks thereafter
- Eye examinations by investigator occurred at baseline and at each treatment cycle, Day 1 (±1 day). Steroid and lubricating eye drops administered per the ocular mitigation plan. Patients referred to an ophthalmologist should an ocular AE occur
- Antitumor activity determined by ORR as defined by RECIST v1.1
- OS, PFS, DOR, and TTR estimated by using the Kaplan-Meier method
- Safety assessments summarized descriptively, including TEAEs, treatment-related TEAEs, SAEs, and deaths
- Blood samples for PK and ATA analyses collected at protocol-defined time points for PK and immunogenicity assessments
- Safety summarized using the safety analysis set, which will include all patients who received any amount of study drug

## Eligibility

### Key Inclusion Criteria

#### Part E (n≈100)

- r/m HNSCC
- Disease progression on or after the most recent systemic therapy with no more than 2 lines of therapy in the r/m setting
- One of the following prior regimens inclusive of platinum-based chemotherapy and a PD-(L)1 inhibitor as detailed below:
  - A platinum-based regimen in combination with a PD-(L)1 inhibitor in the 1L r/m setting; no more than 1 prior line of therapy in the r/m setting
  - A platinum-based regimen in the 1L setting followed by a PD-(L)1 inhibitor (monotherapy or combination) in the 2L setting; no more than 2 prior lines of therapy in r/m setting
  - A PD-(L)1 inhibitor in the 1L setting followed by a platinum therapy in the 2L setting; no more than 2 prior lines of therapy in the r/m setting

- Treatment with platinum therapy given as part of a multimodal therapy in the curative setting and experiencing recurrence/ progression <6 months after the last dose followed by treatment with a PD-(L)1 inhibitor (monotherapy or combination); no other lines of therapy prior to receiving study drug

- Baseline measurable disease per RECIST v1.1
- ECOG PS 0-1

#### Part F

- r/m HNSCC
- No previous systemic therapy for r/m disease; multimodal treatment given in the curative setting must have been completed >6 months prior without disease progression during this time
- CPS ≥1 by local PD-L1 testing
- Baseline measurable disease per RECIST v1.1
- ECOG PS 0-1

### Key Exclusion Criteria

#### Both Parts

- Primary site of disease is nasopharynx or salivary gland
- Active bleeding conditions
- Active ocular surface disease, including any prior episode of cicatricial conjunctivitis or Steven Johnson syndrome
- Grade ≥2 peripheral neuropathy
- Inflammatory lung disease
- Active brain metastasis

#### Part F

- Prior therapy with an anti-PD-(L)1 or anti-PD-L2 agent or an agent directed to another stimulatory or coinhibitory T-cell receptor

**Abbreviations**  
ADC, antibody-drug conjugate; ADCC, antibody-dependent cellular cytotoxicity; ADCP, antibody-dependent cellular phagocytosis; APC, antigen-presenting cell; ATA, anti-therapeutic antibody; BICR, blinded independent central review; CPS, Combined Positive Score; DCR, disease control rate; DOR, duration of response; ECOG PS, Eastern Cooperative Oncology Group Performance Score; HNSCC, head and neck squamous cell carcinoma; ICD, immunogenic cell death; MHC, major histocompatibility complex; MMAE, monomethyl auristatin E; NK, natural killer; ORR, objective response rate; OS, overall survival; PD-1, programmed cell death protein 1; PD-L1, programmed death-ligand 1; PFS, progression-free survival; PK, pharmacokinetics; Q2W, once every 2 weeks; Q6W, once every 6 weeks; RECIST v1.1, Response Evaluation Criteria in Solid Tumors Version 1.1; r/m, recurrent or metastatic; SAE, serious adverse event; SCC, squamous cell carcinoma; SMC, Safety Monitoring Committee; TCR, T-cell receptor; TEAE, treatment-emergent adverse event; TF, tissue factor; TTR, time-to-response; TV, tisotumab vedotin

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#### Disclosures

TY is an advisory board member for Merck/Merck Sharp & Dohme, Innate Pharma, Seagen Inc., Regeneron, Sanofi, Vir Biotechnology, iTeos Therapeutics, EMD Serono Inc., Eisai, Surface Oncology, and IO Biotech, is employed with Johns Hopkins University, has received honoraria from Merck/Merck Sharp & Dohme, Nanobiotix, BioTech/SynGene, and Bayer, has received other support from Bristol Myers Squibb, AstraZeneca, Merck/Merck Sharp & Dohme, Genentech Inc., Nanobiotix, Kura Oncology Inc., Cue Biopharma, Regeneron, IO Biotech and Exelixis, and is a steering committee member for AstraZeneca, Seagen Inc., and BioNTech SE/SynGene Health; LAD is an advisory board member for Merck and Regeneron, and has received other support from Regeneron, Seagen Inc., Replimune Group, and InvivoGen; LS is an advisory board member for Sanofi, Genzyme, Regeneron, and Genmab, has received honoraria from MJH Life Sciences, and has received other support from Blueprint Medicines, Seagen Inc., IO Biotech, and Eisai; TJG is a consultant for Tempus and BillioToOne, Inc. and has received other support from Bristol Myers Squibb, Merck, AstraZeneca/MedImmune, Eli Lilly, Bayer, Incyte Corporation, Ipsen, Genentech, Astellas Pharma Inc., BioMed Valley Discoveries, GSK, Amgen, OncoGen, Inc., BillioToOne, Inc., Jounce Therapeutics, Elicio Therapeutics Inc., and Seagen Inc.; DPZ is an advisory board member for Merck, Blueprint Medicines, AstraZeneca, Genentech/Roche, Astellas Pharma, Boehringer Ingelheim, Eli Lilly, Bristol Myers Squibb, Merck Sharp & Dohme, Pfizer, Janssen Pharmaceuticals, and Sanofi-Aventis, and has received other support from Amgen, AstraZeneca, Genentech/Roche, Takeda, Novartis, Boehringer Ingelheim, Merck, Eli Lilly, Bristol Myers Squibb, Merck Sharp & Dohme, Bayer, Pfizer, Janssen Pharmaceuticals, Sanofi-Aventis, Takeda Pharmaceuticals, Novartis, and United Medical Doctors; DA is an advisory board member for Merck, Merck KGaA, Cue Biopharma, Blueprint Medicines, Cohorus BioSciences, Eisai, Exelixis, EMD Serono Inc., Genmab, Jazz Pharmaceuticals, Natco Pharma, Immunias Therapeutics, Kura Oncology Inc., Targimmune Therapeutics, Regeneron Pharmaceuticals, Seagen Inc., Aria Pharmaceuticals, Vaccinex, Xlilo Therapeutics, and Boehringer Ingelheim and has received other support from Seagen, Pfizer, Eli Lilly, Merck, Celgene/Bristol Myers Squibb, Novartis, AstraZeneca, Blueprint Medicines, Kura Oncology Inc., Cue Biopharma, Codator Genomics, Hookipa Pharma, Dabio, AdinaNorte USA Inc., BeiGene, Epizyme, Inc., Gilead, ISA Pharmaceuticals BV, Roche, Immunetp, Tizona Therapeutics, Vaccinex Inc., Genmab, Tacti, Calliditas Therapeutics, Natco Pharma, BioAtla, Eisai, Epizyme, Inc., Boehringer Ingelheim, Kymab Ltd, Surface, Takeda, and Alentis; KS and LN are employees of and have equity ownership in Seagen Inc. IS is an employee of and has equity ownership in Genmab; NFS is employed with Emory University and honoraria from Aduro Biotech, Inc., AstraZeneca, Eisai, Exelixis, Merck, EMD Serono Inc., Kura Oncology Inc., Vaccinex Inc., Cue Biopharma, BioNTech SE, GSK, Task, Seagen Inc., Flamingo Pharmaceuticals Ltd, Infinity Pharmaceuticals, Inc., Inovo Oncology, Cornerstone Pharmaceuticals, Cohorus BioSciences, Adagene, and Fulgent Genetics, and other support from Bristol Myers Squibb, Exelixis, Astex Pharmaceuticals, and the National Cancer Institute.



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