

***Meet The Professor***  
**Optimizing the Management of  
Gastroesophageal Cancers**

**Eric Van Cutsem, MD, PhD**

Professor of Medicine

Digestive Oncology

University Hospitals Leuven

Leuven, Belgium

## Commercial Support

This activity is supported by educational grants from AstraZeneca Pharmaceuticals LP, Bristol-Myers Squibb Company, Daiichi Sankyo Inc, Lilly, and Merck.

## Dr Love — Disclosures

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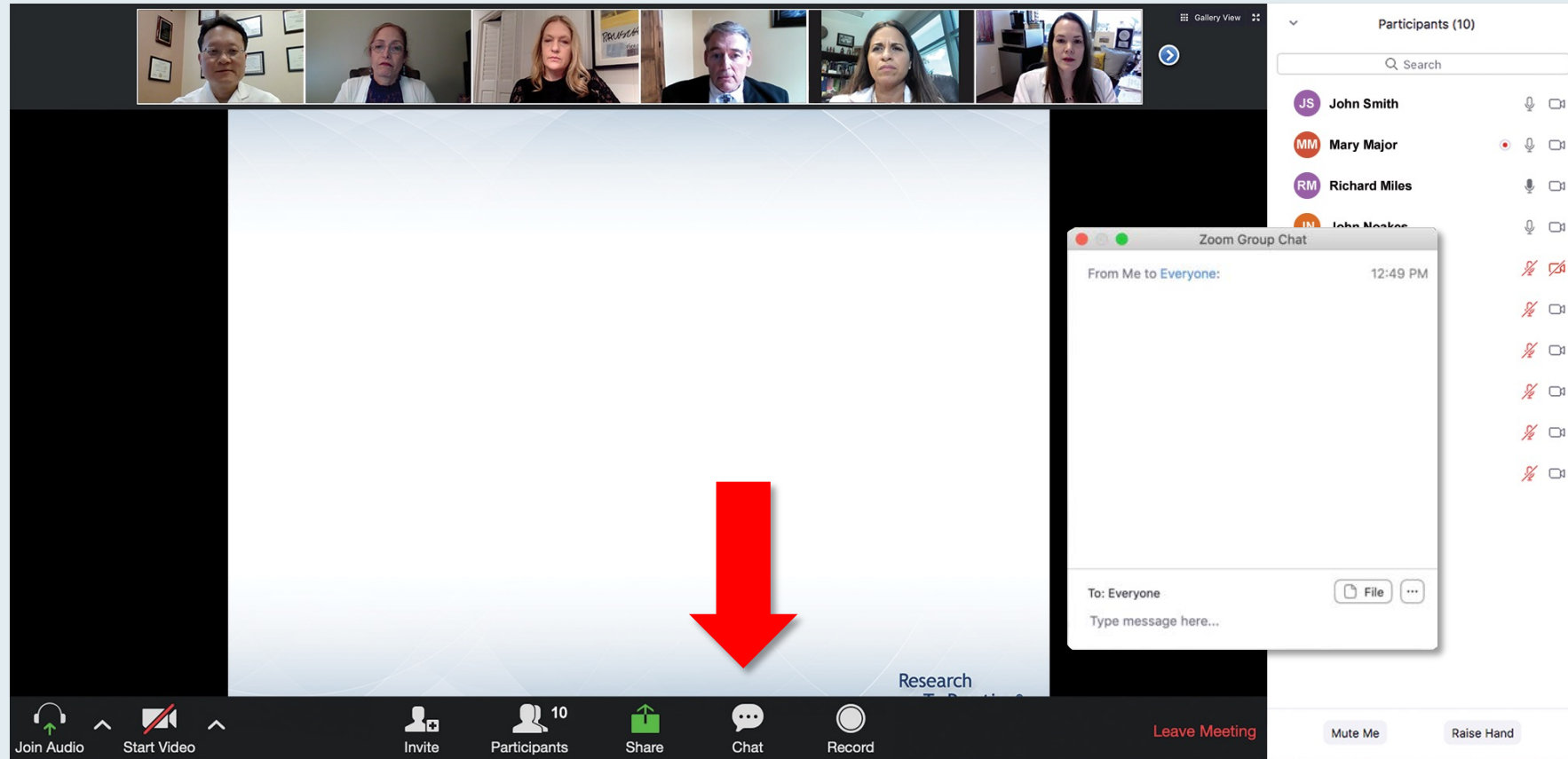
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## Prof Van Cutsem — Disclosures

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# We Encourage Clinicians in Practice to Submit Questions



Feel free to submit questions now before the program begins and throughout the program.

# Familiarizing Yourself with the Zoom Interface

## Expand chat submission box

The screenshot shows a Zoom meeting interface. At the top, there are video thumbnails for participants: RTP Coordinat..., Kirsten Miller, RTP Mike Rivera, and Lisa Suarez. Below the thumbnails is a slide titled "Meet The Professor Program Participating Faculty" with six faculty members listed:

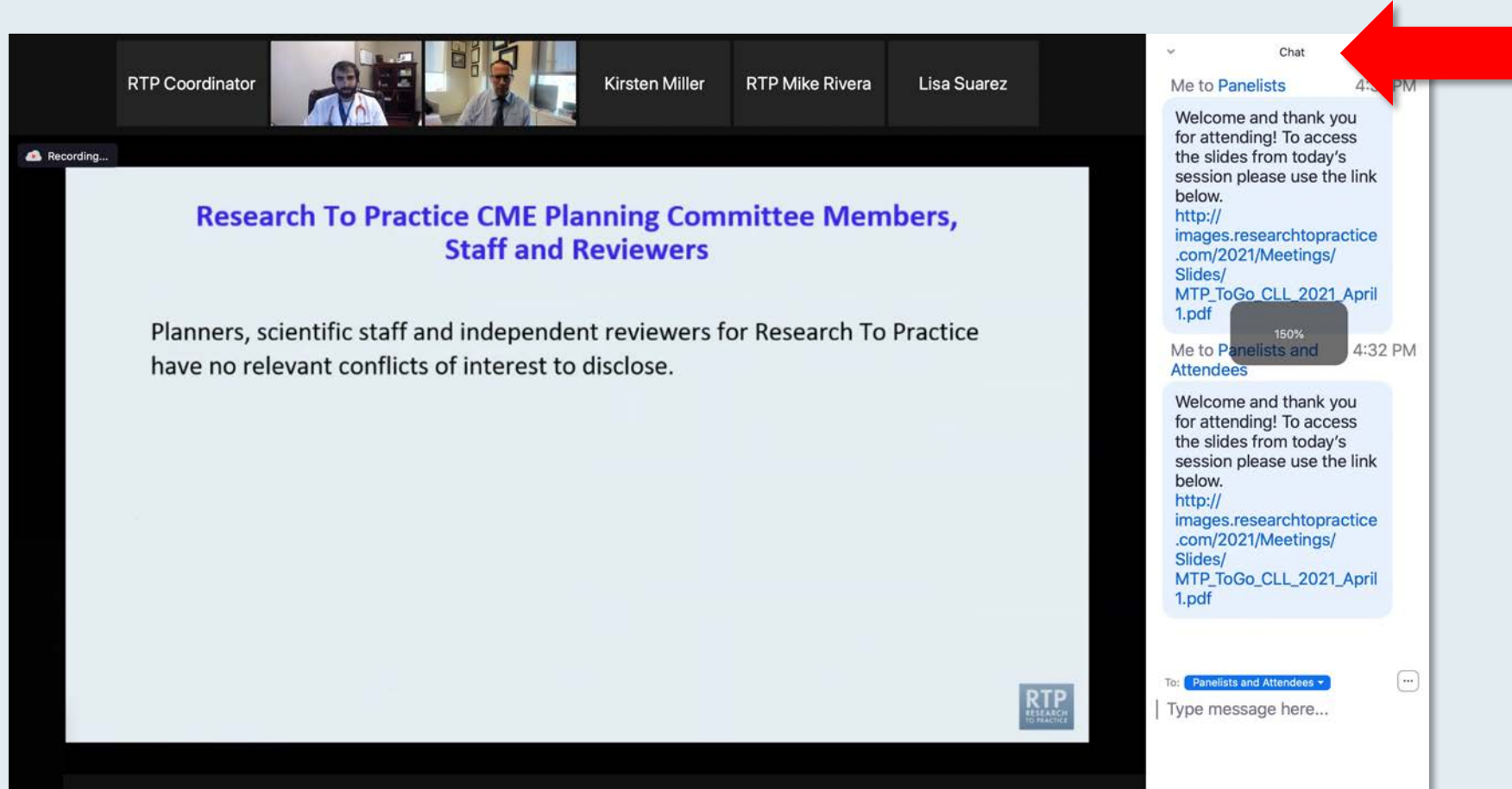
- Nancy L Bartlett, MD**  
Professor of Medicine  
Koman Chair in Medical Oncology  
Washington University School of Medicine  
St Louis, Missouri
- Jonathan W Friedberg, MD, MMSc**  
Samuel E Durand Professor of Medicine  
Director, James P Wilmot Cancer Institute  
University of Rochester  
Rochester, New York
- Carla Casulo, MD**  
Associate Professor of Medicine  
Division of Hematology/Oncology  
Director, Hematology/Oncology Fellowship Program  
University of Rochester  
Wilmot Cancer Institute  
Rochester, New York
- Brian T Hill, MD, PhD**  
Director, Lymphoid Malignancy Program  
Cleveland Clinic Taussig Cancer Institute  
Cleveland, Ohio
- Christopher R Flowers, MD, MS**  
Chair, Professor  
Department of Lymphoma/Myeloma  
The University of Texas MD Anderson Cancer Center  
Houston, Texas
- Brad S Kahl, MD**  
Professor of Medicine  
Washington University School of Medicine  
Director, Lymphoma Program  
Siteman Cancer Center  
St Louis, Missouri

The chat window on the right shows a message from "Me to Panelists" at 4:31 PM with a link to a PDF slide. Below it is a message from "Me to Panelists and Attendees" at 4:32 PM with the same link. At the bottom of the chat window, there is a "To:" dropdown menu set to "Panelists and Attendees" and a "Type message here..." input field. A red arrow points to the white line above the input field, indicating where to drag to expand the box.

Drag the white line above the submission box up to create more space for your message.

# Familiarizing Yourself with the Zoom Interface

## Increase chat font size



The screenshot displays a Zoom meeting interface. At the top, there are video thumbnails for participants: RTP Coordinator, Kirsten Miller, RTP Mike Rivera, and Lisa Suarez. The main content area shows a slide titled "Research To Practice CME Planning Committee Members, Staff and Reviewers" with the text: "Planners, scientific staff and independent reviewers for Research To Practice have no relevant conflicts of interest to disclose." A "Recording..." indicator is visible in the top left of the slide area. On the right, the chat window is open, showing a message from "Me to Panelists" at 4:32 PM. The message content is: "Welcome and thank you for attending! To access the slides from today's session please use the link below. http://images.researchtopractice.com/2021/Meetings/Slides/MTP\_ToGo\_CLL\_2021\_April 1.pdf". A red arrow points to the chat font size adjustment icon (a small square with a plus sign) located in the top right corner of the chat window. A "150%" font size indicator is visible over the chat message.

**Press Command (for Mac) or Control (for PC) and the + symbol.  
You may do this as many times as you need for readability.**



# ONCOLOGY TODAY

WITH DR NEIL LOVE

## Gastroesophageal Cancers



DR SAMUEL KLEMPNER

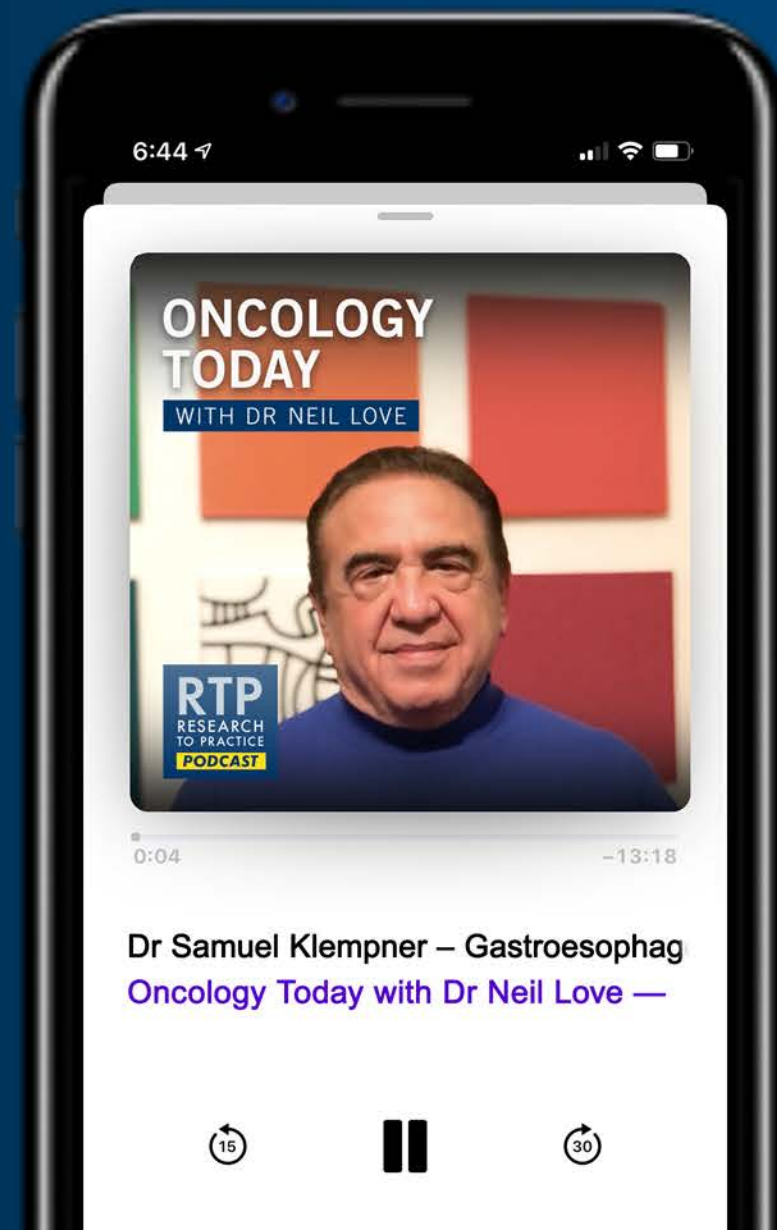
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# **PARP Inhibition in the Management of Prostate Cancer — Where We Are and Where We're Headed**

**Thursday, June 23, 2022**

**5:00 PM – 6:00 PM ET**

## **Faculty**

**Johann S de Bono, MB ChB, MSc, PhD, FMedSci  
Fred Saad, MD**

## **Moderator**

**Neil Love, MD**

***Meet The Professor***  
**Optimizing the Management of  
Chronic Myeloid Leukemia**

**Tuesday, June 28, 2022  
5:00 PM – 6:00 PM ET**

**Faculty**

**Jorge E Cortes, MD**

**Moderator**

**Neil Love, MD**

# *Meet The Professor*

## Current and Future Management of Non-Small Cell Lung Cancer with an EGFR Mutation

Thursday, June 30, 2022  
5:00 PM – 6:00 PM ET

### Faculty

Joel W Neal, MD, PhD

### Moderator

Neil Love, MD

# *Meet The Professor*

## Optimizing the Management of Ovarian Cancer

Wednesday, July 6, 2022  
5:00 PM – 6:00 PM ET

**Faculty**

**Ursula Matulonis, MD**

**Moderator**

**Neil Love, MD**

***Meet The Professor***  
**Optimizing the Management of  
Hepatobiliary Cancers**

**Thursday, July 7, 2022  
5:00 PM – 6:00 PM ET**

**Faculty**

**Ghassan Abou-Alfa, MD, MBA**

**Moderator**

**Neil Love, MD**

***Meet The Professor***  
**Optimizing the Management of  
Gastroesophageal Cancers**

**Tuesday, July 12, 2022  
5:00 PM – 6:00 PM ET**

**Faculty**

**Samuel J Klempner, MD**

**Moderator**

**Neil Love, MD**

***Thank you for joining us!***

***CME and MOC credit information will be emailed to each participant within 5 business days.***



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University Hospitals Leuven

Leuven, Belgium

# Meet The Professor Program Participating Faculty



**Peter C Enzinger, MD**

Director, Center for Esophageal and Gastric Cancer  
Dana-Farber/Brigham and Women's Cancer Center  
Institute Physician, Dana-Farber Cancer Institute  
Associate Professor, Harvard Medical School  
Boston, Massachusetts



**John Strickler, MD**

Associate Professor  
Duke University  
Durham, North Carolina



**Yelena Y Janjigian, MD**

Associate Professor  
Chief of Gastrointestinal Oncology Service  
Department of Medicine  
Memorial Sloan Kettering Cancer Center  
New York, New York



**Eric Van Cutsem, MD, PhD**

Professor of Medicine  
Digestive Oncology  
University Hospitals Leuven  
Leuven, Belgium



**Samuel J Klempner, MD**

Associate Professor  
Massachusetts General Hospital  
Harvard Medical School  
Boston, Massachusetts



**Harry H Yoon, MD, MHS**

Associate Professor of Oncology  
Chair, Gastroesophageal Cancer  
Disease Group  
Mayo Clinic Comprehensive  
Cancer Center  
Rochester, Minnesota



**Manish A Shah, MD**

Chief, Solid Tumor Oncology Service  
Director, Gastrointestinal Oncology Program  
Co-Director, Center for Advanced Digestive Care  
Bartlett Family Professor of Gastrointestinal Oncology  
Weill Cornell Medicine/NewYork-Presbyterian Hospital  
New York, New York

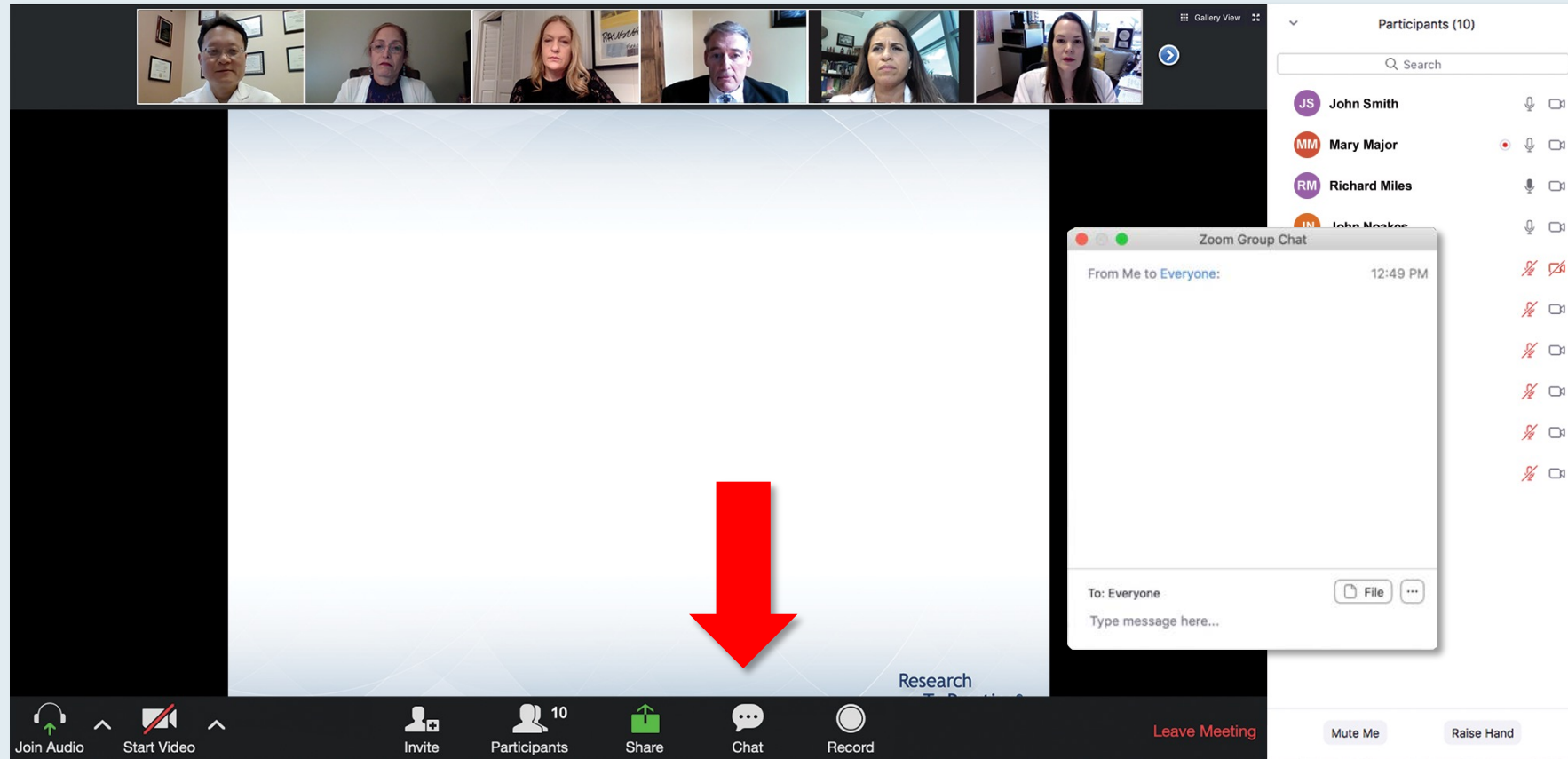


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Research To Practice

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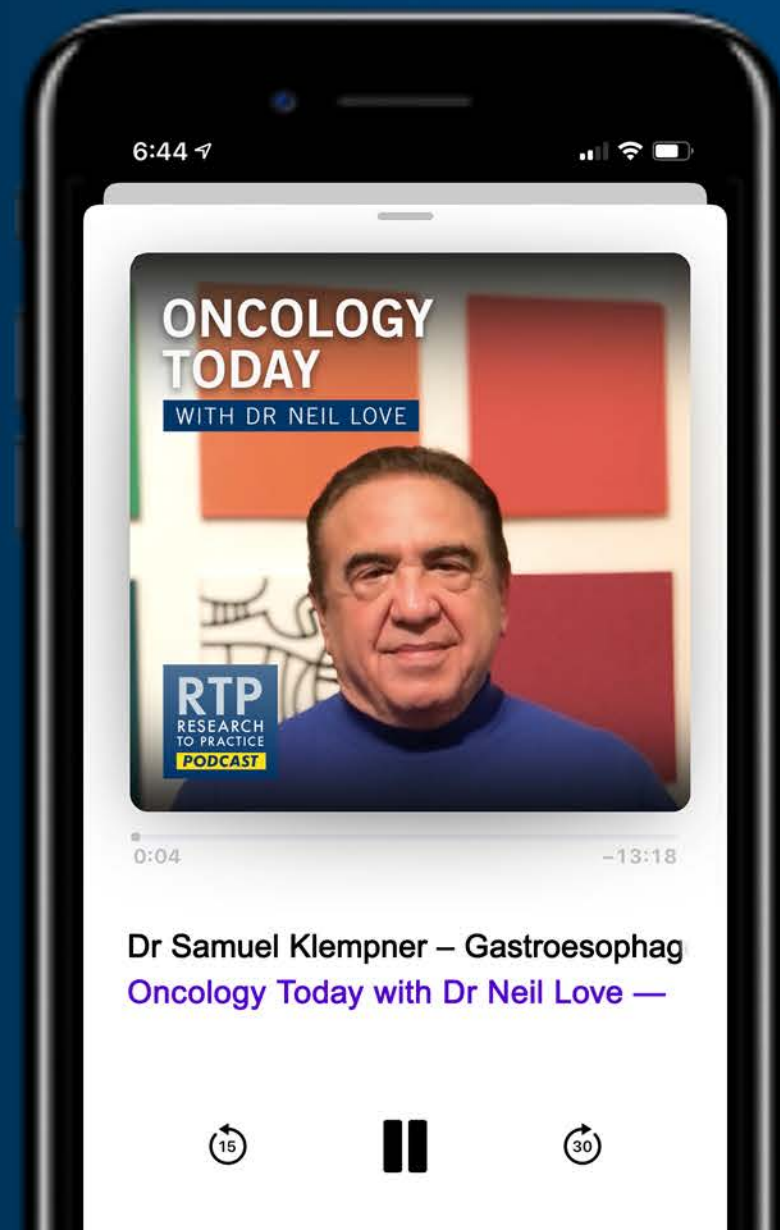
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**Philip L Brooks, MD**  
Northern Light Eastern Maine  
Medical Center  
Brewer, Maine



**Namrata I Peswani, MD**  
Harold C Simmons Comprehensive  
Cancer Center  
Richardson, Texas



**Lionel A Kankeu Fonkoua, MD**  
Mayo Clinic  
Rochester, Minnesota



**Erik Rupard, MD**  
The Reading Hospital  
West Reading, Pennsylvania



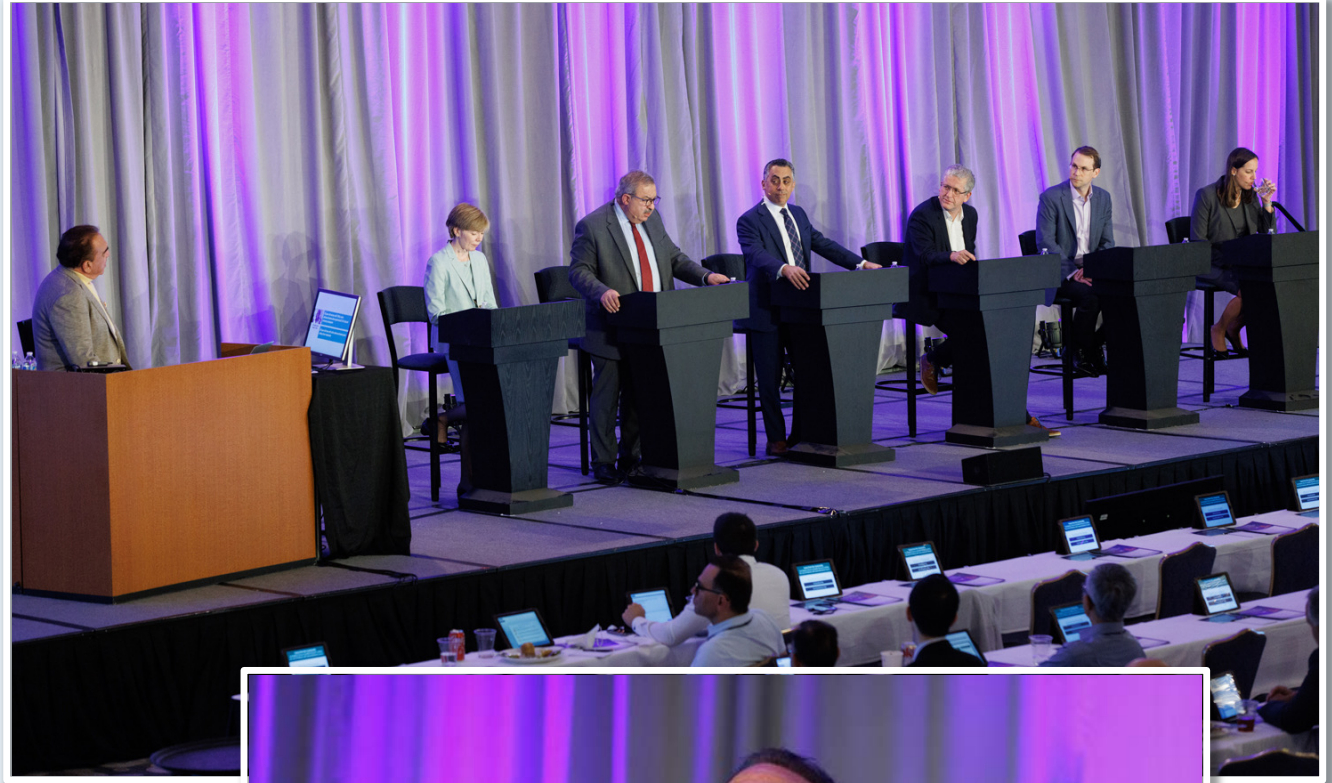
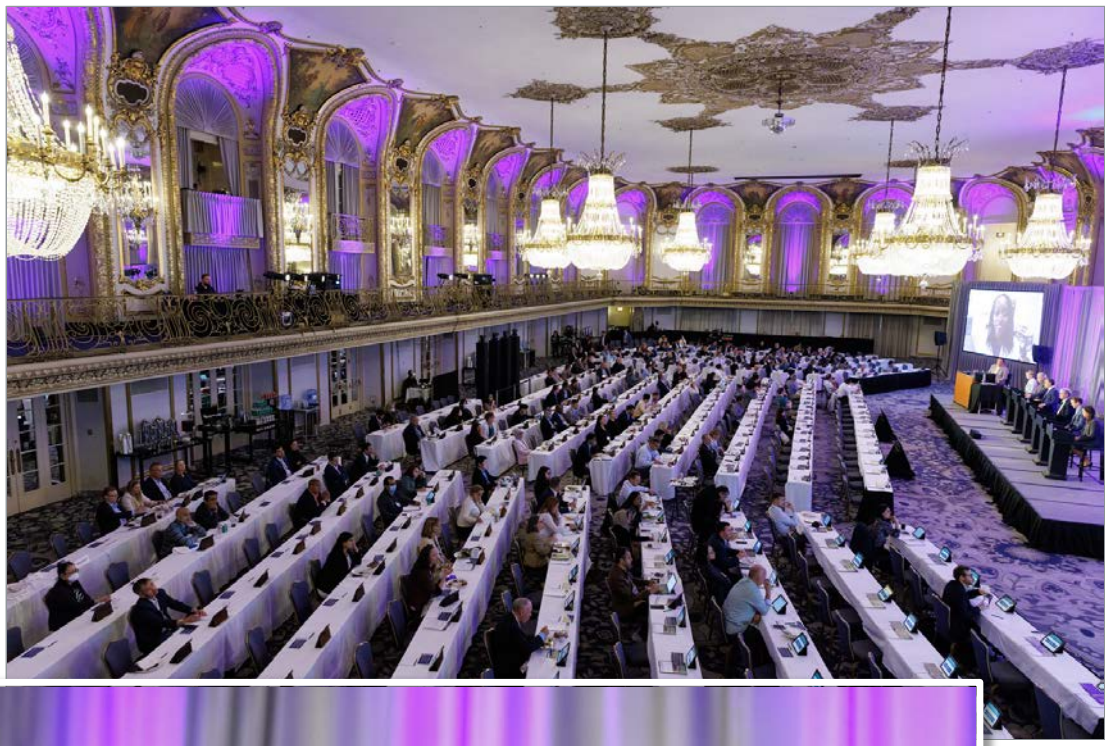
**Shaachi Gupta, MD, MPH**  
Florida Cancer Specialists  
Lake Worth, Florida



**Matthew R Strickland, MD**  
Massachusetts General Hospital  
Cancer Center  
Boston, Massachusetts



**Vignesh Narayanan, MD**  
Colorado Permanente Medical Group  
Lone Tree, Colorado







# Who is this?

1. The Rolling Stones
2. The Beatles
3. Crosby, Stills, Nash & Young
4. Coldplay
5. Foo Fighters
6. I don't know

# Case Presentation: A 51-year-old woman with metastatic hepatoid carcinoma of the ovary with an FGFR fusion



**Dr Syed Ahmed (Libertyville, Illinois)**

# Meet The Professor with Prof Van Cutsem

## Introduction: Journal Club with Prof Van Cutsem – Part 1

### MODULE 1: Case Presentations

- Dr Peswani: A 76-year-old woman with HER2-negative metastatic gastric cancer – MSI high, PD-L1 >20%
- Dr Gupta: A 74-year-old man with multiple comorbidities and HER2-negative metastatic gastroesophageal junction (GEJ) adenocarcinoma – MSS, PD-L1-positive
- Dr Narayanan: A 55-year-old man with HER2-positive metastatic GEJ adenocarcinoma – PD-L1 low
- Dr Fonkoua: A 65-year-old woman with HER2-equivocal metastatic GEJ adenocarcinoma – pMMR, PD-L1 CPS 10
- Dr Brooks: A 64-year-old woman with HER2-negative metastatic esophageal adenocarcinoma with COPD and vascular disease – pMMR, PD-L1 CPS 5
- Dr Strickland: A 65-year-old man with HER2-negative localized esophageal adenocarcinoma and history of GERD and Barrett's esophagus – pMMR, PD-L1 CPS 1
- Dr Rupard: A 63-year-old man with squamous cell carcinoma of the esophagus who has local and oligometastatic nodal recurrence

### MODULE 2: Journal Club with Prof Van Cutsem – Part 2

### MODULE 3: Appendix of Key Publications

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- RAINBOW – Ramucirumab/paclitaxel

- Trials in progress

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*Oncologist* 2021;26(3):e414-24.

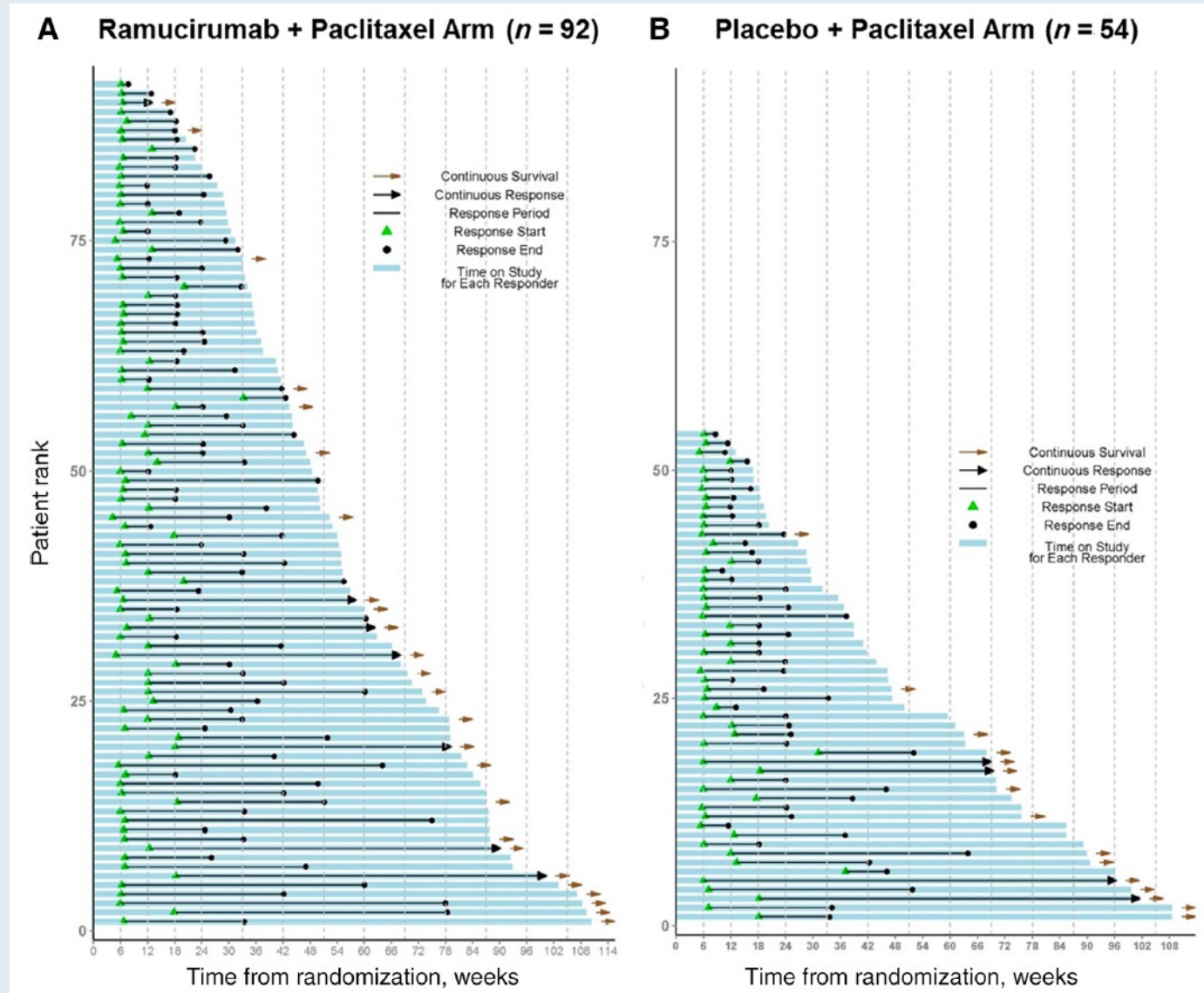
Gastrointestinal Cancer

The  
**Oncologist**<sup>®</sup>

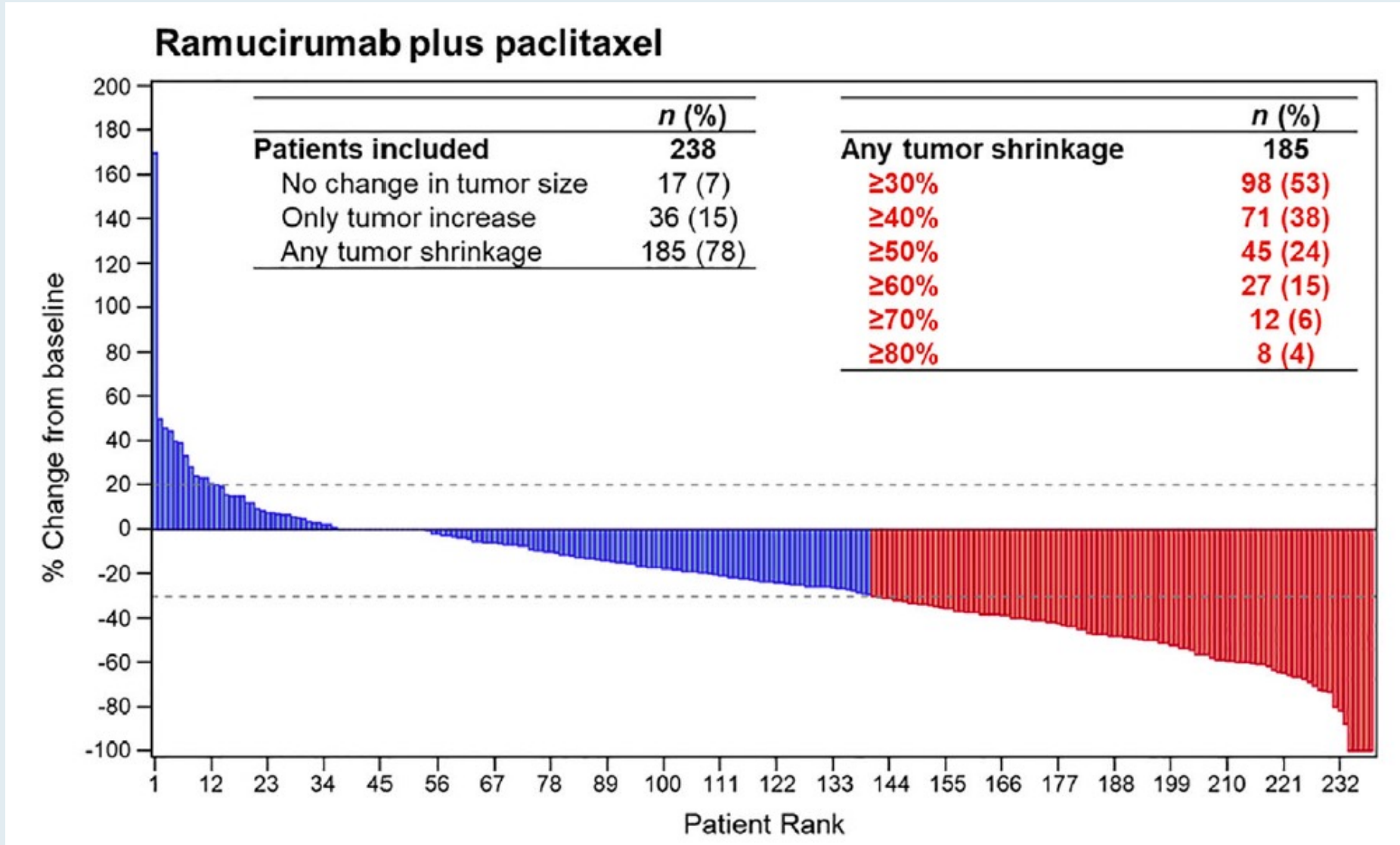
# Tumor Response and Symptom Palliation from RAINBOW, a Phase III Trial of Ramucirumab Plus Paclitaxel in Previously Treated Advanced Gastric Cancer

STEFANO CASCINU <sup>a</sup>, GYÖRGY BODOKY <sup>b</sup>, KEI MURO <sup>c</sup>, ERIC VAN CUTSEM <sup>d</sup>, SANG CHEUL OH <sup>e</sup>, GUNNAR FOLPRECHT <sup>f</sup>,  
SUMITRA ANANDA,<sup>g</sup> GUSTAVO GIROTTO,<sup>h</sup> ZEV A. WAINBERG <sup>i</sup>, MARIA LUISA LIMON MIRON,<sup>j</sup> JAFFER AJANI <sup>k</sup>, RAN WEI,<sup>l</sup> ASTRA M. LIEPA <sup>m</sup>,  
ROBERTO CARLESI <sup>m</sup>, MICHAEL EMIG,<sup>m</sup> ATSUSHI OHTSU<sup>n</sup>

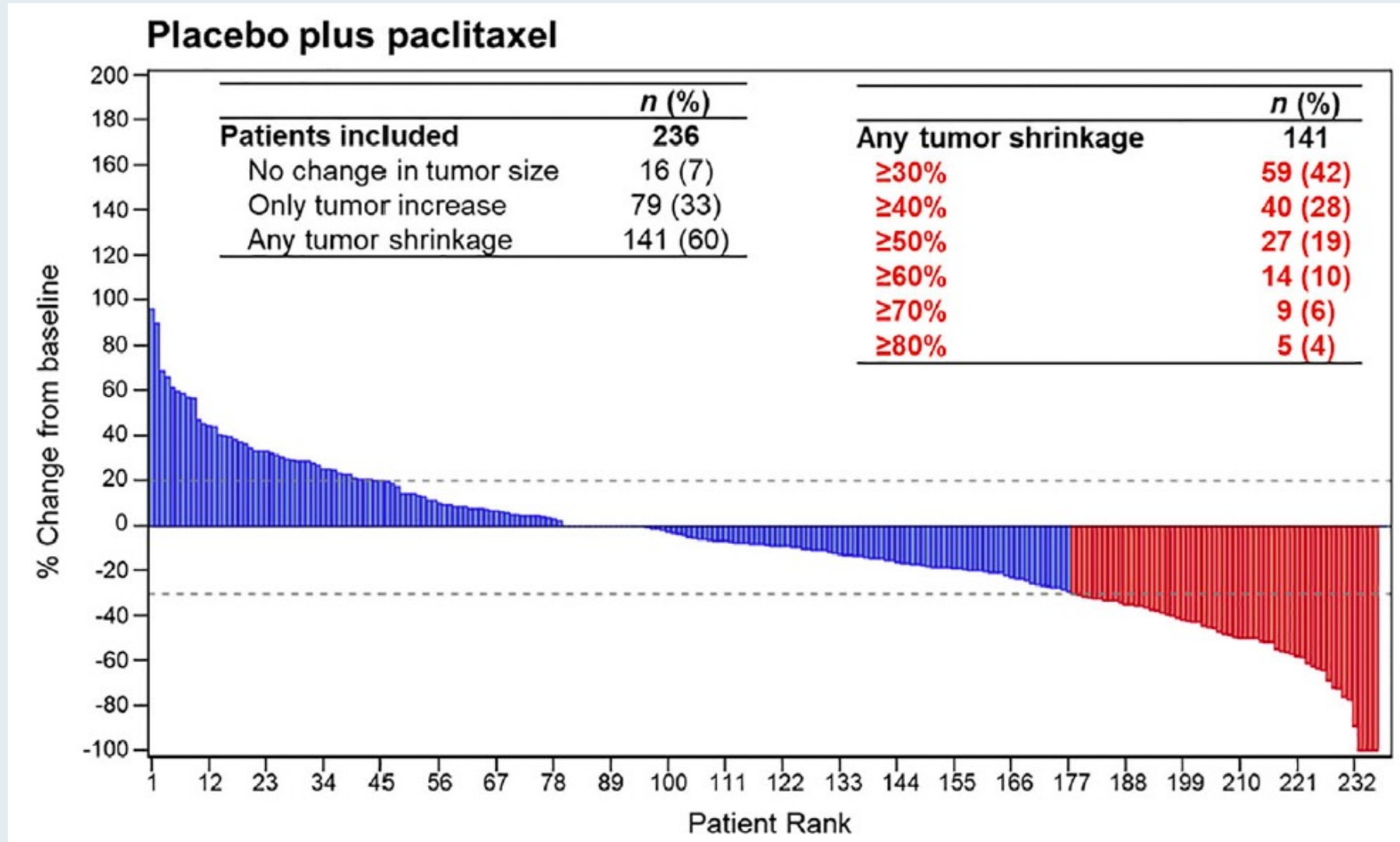
# Time to and Duration of Tumor Responses for Patients with an Objective Response



# Best Percent Change in Tumor Size from Baseline

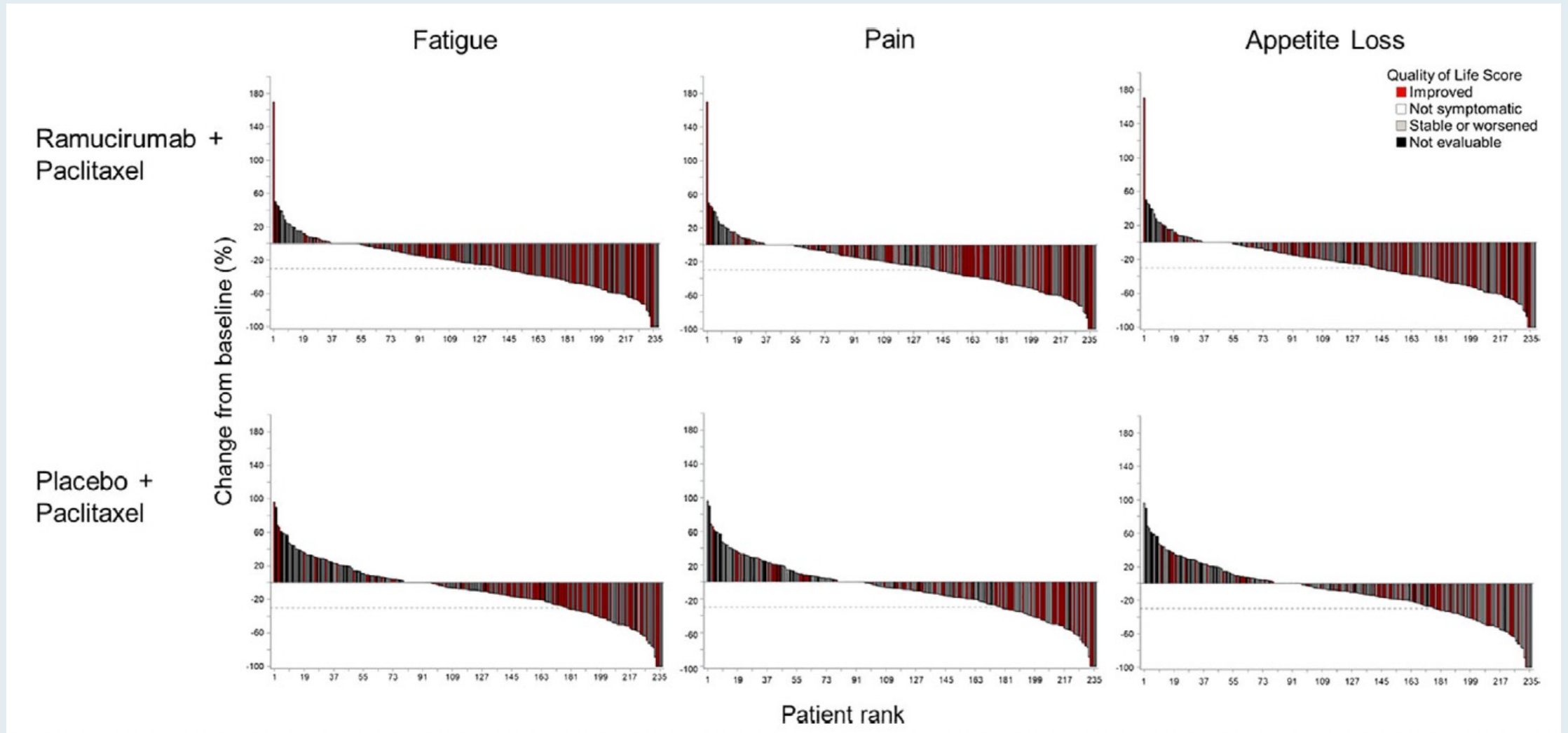


# Best Percent Change in Tumor Size from Baseline





# Association of Best Percent Change in Tumor Size with Best Improvement in Selected Symptoms



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## MODULE 2: Journal Club with Prof Van Cutsem – Part 2

## MODULE 3: Appendix of Key Publications

# **MATTERHORN: Efficacy and Safety of Neoadjuvant-Adjuvant Durvalumab and FLOT Chemotherapy in Resectable Gastric and Gastroesophageal Junction Cancer — A Randomized, Double-Blind, Placebo-Controlled, Phase 3 Study**

Janjigian YY et al.

ASCO 2021;Abstract TPS4151.

# **A Randomized Phase 3 Study Evaluating the Efficacy and Safety of First-Line Pembrolizumab plus Lenvatinib plus Chemotherapy versus Chemotherapy in Patients with Advanced/Metastatic Gastroesophageal Adenocarcinoma: LEAP-015**

Cohen DJ et al.

Gastrointestinal Cancers Symposium 2022;Abstract TPS369.

TPS4173

ASCO 2022

# Phase 2 Open-Label Study of Pembrolizumab Plus Lenvatinib and Belzutifan in Patients With Advanced Solid Tumors

R.K. Kelley<sup>1</sup>; E. Van Cutsem<sup>2</sup>; M.S. Lee<sup>3</sup>; I. Wolf<sup>4</sup>; M. Fakih<sup>5</sup>;  
J. de Vos-Geelen<sup>6</sup>; V. Lee<sup>7</sup>; A. Vogel<sup>8</sup>; X.L. Wu<sup>9</sup>; F. Jin<sup>9</sup>;  
G.S. Naik<sup>9</sup>; E.M. O'Reilly<sup>10</sup>

**Trial in progress: Phase 1b/3 study of bemarituzumab + mFOLFOX6 + nivolumab versus placebo + mFOLFOX6 + nivolumab in previously untreated advanced gastric and gastroesophageal junction (GEJ) cancer with FGFR2b overexpression (FORTITUDE-102)**

Zev Wainberg<sup>1</sup>, Eric Van Cutsem<sup>2</sup>, Markus Moehler<sup>3</sup>, Yoon-Koo Kang<sup>4</sup>, Priscilla Yen<sup>5</sup>, Elizabeth Finger<sup>6</sup>, Alissa Keegan<sup>5</sup>, Kohei Shitara<sup>7</sup>

**ASCO 2022 | Abstract TPS4165**

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### MODULE 2: Journal Club with Prof Van Cutsem – Part 2

### MODULE 3: Appendix of Key Publications

**Case Presentation: A 76-year-old woman with HER2-negative metastatic gastric cancer, multiple mutations and Lynch syndrome – MSI high, PD-L1 >20%**



**Dr Namrata Peswani (Richardson, Texas)**








# Regulatory and reimbursement issues aside, which first-line therapy would you most likely recommend for a 65-year-old patient presenting with metastatic HER2-negative, MSI-high gastric adenocarcinoma?

1. Chemotherapy
2. Pembrolizumab + chemotherapy
3. Nivolumab + chemotherapy
4. Nivolumab + ipilimumab
5. Pembrolizumab
6. Nivolumab
7. Other

MSI = microsatellite instability

Regulatory and reimbursement issues aside, which first-line therapy would you most likely recommend for a 65-year-old patient presenting with metastatic HER2-negative, MSI-high gastric adenocarcinoma?

 <b>Dr Enzinger</b>	<b>Pembrolizumab</b>	 <b>Dr Shah</b>	<b>FOLFOX + nivolumab</b>
 <b>Dr Janjigian</b>	<b>FOLFOX + nivolumab</b>	 <b>Dr Strickler</b>	<b>FOLFOX + nivolumab</b>
 <b>Dr Klempner</b>	<b>Pembrolizumab</b>	 <b>Dr Yoon</b>	<b>FOLFOX + nivolumab</b>



# JAMA Oncology

*JAMA Oncol* 2021;7(6):895-902.

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## Assessment of Pembrolizumab Therapy for the Treatment of Microsatellite Instability–High Gastric or Gastroesophageal Junction Cancer Among Patients in the KEYNOTE-059, KEYNOTE-061, and KEYNOTE-062 Clinical Trials

[Joseph Chao, MD](#),<sup>1</sup> [Charles S. Fuchs, MD](#),<sup>2</sup> [Kohei Shitara, MD](#),<sup>3</sup> [Josep Tabernero, MD](#),<sup>4</sup> [Kei Muro, MD](#),<sup>5</sup> [Eric Van Cutsem, MD](#),<sup>6</sup> [Yung-Jue Bang, MD](#),<sup>7</sup> [Ferdinando De Vita, MD](#),<sup>8</sup> [Gregory Landers, MD](#),<sup>9</sup> [Chia-Jui Yen, MD](#),<sup>10</sup> [Ian Chau, MD](#),<sup>11</sup> [Anneli Elme, MD](#),<sup>12</sup> [Jeeyun Lee, MD](#),<sup>13</sup> [Mustafa Özgüroğlu, MD](#),<sup>14</sup> [Daniel Catenacci, MD](#),<sup>15</sup> [Harry H. Yoon, MD](#),<sup>16</sup> [Erluo Chen, MPH](#),<sup>17</sup> [David Adelberg, MD](#),<sup>17</sup> [Chie-Schin Shih, MD](#),<sup>17</sup> [Sukrut Shah, PhD](#),<sup>17</sup> [Pooja Bhagia, MD](#),<sup>17</sup> and [Zev A. Wainberg, MD](#)<sup>18</sup>

**Case Presentation: A 74-year-old man with multiple comorbidities and HER2-negative metastatic GEJ adenocarcinoma – MSS, PD-L1-positive**



**Dr Shaachi Gupta (Lake Worth, Florida)**

Regulatory and reimbursement issues aside, which first-line therapy would you most likely recommend for a 65-year-old patient presenting with metastatic HER2-negative, MSS gastric adenocarcinoma with a PD-L1 CPS of 0?

 Dr Enzinger	FOLFOX	 Dr Shah	FOLFOX
 Dr Janjigian	FOLFOX + nivolumab	 Dr Strickler	FOLFOX
 Dr Klempner	FOLFOX	 Dr Yoon	FOLFOX

MSS = microsatellite stable; CPS = combined positive score

Regulatory and reimbursement issues aside, which first-line therapy would you most likely recommend for a 65-year-old patient presenting with metastatic HER2-negative, MSS gastric adenocarcinoma with a PD-L1 CPS of 1?

 Dr Enzinger	FOLFOX	 Dr Shah	FOLFOX
 Dr Janjigian	FOLFOX + nivolumab	 Dr Strickler	FOLFOX
 Dr Klempner	FOLFOX	 Dr Yoon	FOLFOX

Regulatory and reimbursement issues aside, which first-line therapy would you most likely recommend for a 65-year-old patient presenting with metastatic HER2-negative, MSS gastric adenocarcinoma with a PD-L1 CPS of 5?

 Dr Enzinger	FOLFOX + nivolumab	 Dr Shah	FOLFOX + nivolumab
 Dr Janjigian	FOLFOX + nivolumab	 Dr Strickler	FOLFOX + nivolumab
 Dr Klempner	FOLFOX + nivolumab	 Dr Yoon	FOLFOX or FOLFOX + pembro

## Case Presentation: A 55-year-old man with HER2-positive metastatic GEJ adenocarcinoma – PD-L1 low



**Dr Vignesh Narayanan (Lone Tree, Colorado)**



**Case Presentation: A 65-year-old woman with HER2-equivocal metastatic GEJ adenocarcinoma – pMMR (mismatch repair proficient), PD-L1 CPS 10**



**Dr Lionel Fonkoua (Rochester, Minnesota)**

Regulatory and reimbursement issues aside, what would you currently recommend as second-line therapy for a patient with metastatic HER2-negative, MSS adenocarcinoma of the GEJ (PD-L1 CPS  $\geq 5$ ) who has experienced disease progression on first-line FOLFOX/nivolumab or FOLFOX/pembrolizumab?



Dr Enzinger

Ramucirumab/  
paclitaxel



Dr Shah

Ramucirumab/  
paclitaxel



Dr Janjigian

Ramucirumab/  
paclitaxel



Dr Strickler

Ramucirumab/  
paclitaxel



Dr Klempner

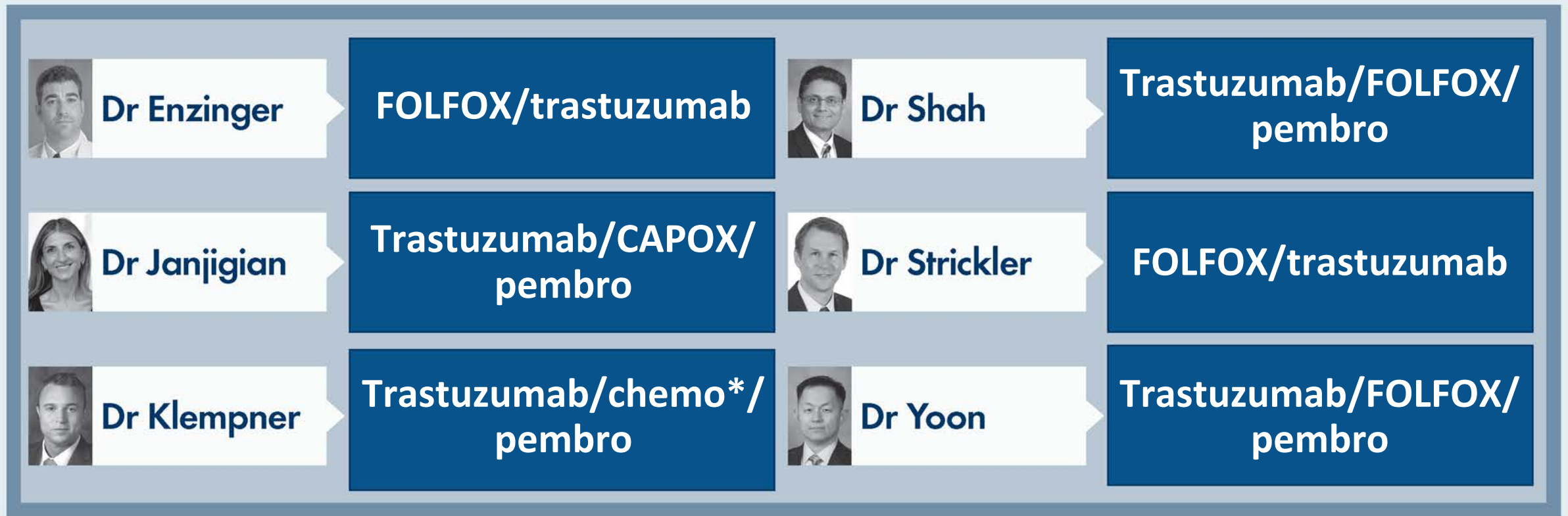
Ramucirumab/  
paclitaxel



Dr Yoon







Ramucirumab/  
paclitaxel

Regulatory and reimbursement issues aside, what would be your preferred first-line treatment for a patient with newly diagnosed metastatic HER2-positive, MSS gastric adenocarcinoma with a PD-L1 CPS of 0?



\* FOLFOX or CAPOX

Regulatory and reimbursement issues aside, what would be your preferred first-line treatment for a patient with newly diagnosed metastatic HER2-positive, MSS gastric adenocarcinoma with a PD-L1 CPS  $\geq 1$ ?

 Dr Enzinger	Trastuzumab/FOLFOX/ pembro	 Dr Shah	Trastuzumab/FOLFOX/ pembro
 Dr Janjigian	Trastuzumab/CAPOX/ pembro	 Dr Strickler	FOLFOX/trastuzumab
 Dr Klempner	Trastuzumab/CAPOX/ pembro	 Dr Yoon	Trastuzumab/FOLFOX/ pembro

Regulatory and reimbursement issues aside, what would you currently recommend as second-line therapy for a patient with metastatic HER2-positive, MSS gastric adenocarcinoma (PD-L1 CPS  $\geq 1$ ) with disease progression on FOLFOX/trastuzumab/pembrolizumab?



Dr Enzinger

Trastuzumab  
deruxtecan if HER2+ on  
re-biopsy



Dr Shah

Ramucirumab/  
paclitaxel



Dr Janjigian

Trastuzumab  
deruxtecan



Dr Strickler

Trastuzumab  
deruxtecan



Dr Klempner

Ramucirumab/  
paclitaxel



Dr Yoon

Ramucirumab/  
paclitaxel

## Recent FDA Approvals in HER2-Positive Gastric, GEJ and Esophageal Cancer

Regimen/FDA approval date/Pivotal trial	Location	Histology	Setting	PD-L1
Pembrolizumab + trastuzumab + chemotherapy 5/5/2021 (KN-811)	Gastric, GEJ	Adenocarcinoma	<ul style="list-style-type: none"> <li>First-line treatment for locally advanced, unresectable or metastatic HER2-positive gastric or GEJ adenocarcinoma</li> </ul>	Not required
Trastuzumab deruxtecan 1/15/2021 (DESTINY-Gastric01)	Gastric, GEJ	Adenocarcinoma	<ul style="list-style-type: none"> <li>Patients who have received a prior trastuzumab-based regimen</li> </ul>	Not required

*Nature* 2021;600(7890):727-30.

**Article**

# **The KEYNOTE-811 trial of dual PD-1 and HER2 blockade in HER2-positive gastric cancer**

<https://doi.org/10.1038/s41586-021-04161-3>

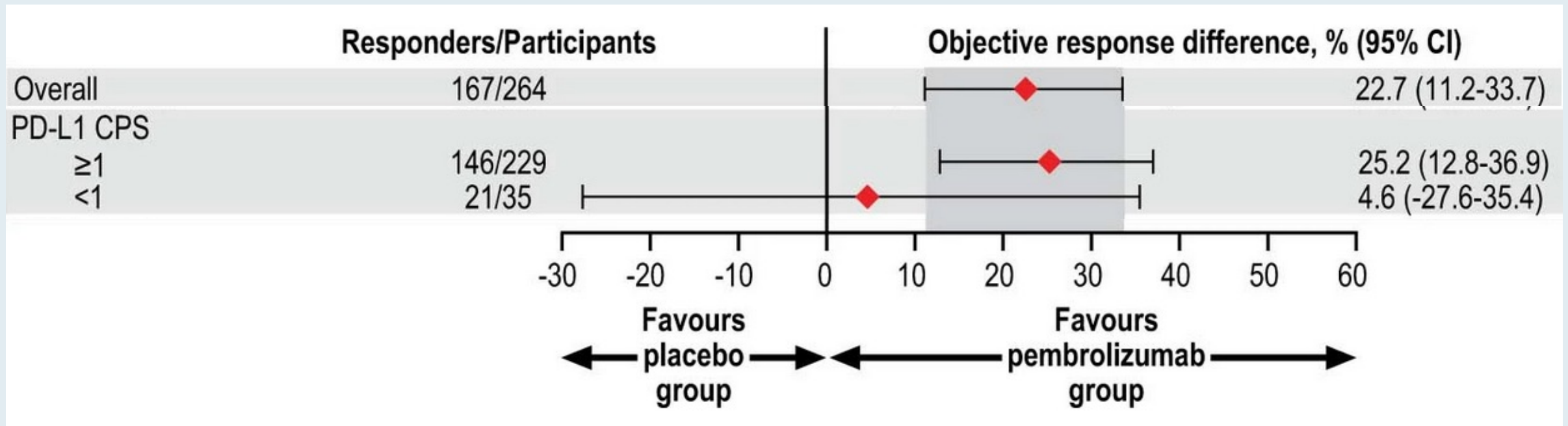
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Yelena Y. Janjigian<sup>1</sup>✉, Akihito Kawazoe<sup>2</sup>, Patricio Yañez<sup>3</sup>, Ning Li<sup>4</sup>, Sara Lonardi<sup>5</sup>, Oleksii Kolesnik<sup>6</sup>, Olga Barajas<sup>7</sup>, Yuxian Bai<sup>8</sup>, Lin Shen<sup>9</sup>, Yong Tang<sup>10</sup>, Lucjan S. Wyrwicz<sup>11</sup>, Jianming Xu<sup>12</sup>, Kohei Shitara<sup>2</sup>, Shukui Qin<sup>13</sup>, Eric Van Cutsem<sup>14</sup>, Josep Tabernero<sup>15</sup>, Lie Li<sup>16</sup>, Sukrut Shah<sup>16</sup>, Pooja Bhagia<sup>16</sup> & Hyun Cheol Chung<sup>17</sup>

# KEYNOTE-811: Treatment Difference in Objective Response for PD-L1 CPS Subgroups in the Efficacy Population



CPS = combined positive score



# **Pembrolizumab Plus Trastuzumab and Chemotherapy for HER2+ Metastatic Gastric or Gastroesophageal Junction Cancer: Initial Findings of the Global Phase 3 KEYNOTE-811 Study**

Yelena Y. Janjigian,<sup>1</sup> Akihito Kawazoe,<sup>2</sup> Patricio Yañez,<sup>3</sup> Suxia Luo,<sup>4</sup> Sara Lonardi,<sup>5</sup> Oleksii Kolesnik,<sup>6</sup>  
Olga Barajas,<sup>7</sup> Yuxian Bai,<sup>8</sup> Lin Shen,<sup>9</sup> Yong Tang,<sup>10</sup> Lucjan S. Wyrwicz,<sup>11</sup> Kohei Shitara,<sup>2</sup> Shukui Qin,<sup>12</sup>  
Eric Van Cutsem,<sup>13</sup> Josep Tabernero,<sup>14</sup> Lie Li,<sup>15</sup> Chie-Schin Shih,<sup>15</sup> Pooja Bhagia,<sup>15</sup> Hyun Cheol Chung,<sup>16</sup>  
on behalf of the KEYNOTE-811 Investigators

**ASCO 2021;Abstract 4013.**

**Primary Analysis of a Phase 2 Single-Arm Trial of Trastuzumab Deruxtecan (T-DXd) in Western Patients With HER2-Positive (HER2+) Unresectable or Metastatic Gastric or Gastroesophageal Junction (GEJ) Cancer Who Progressed on or After a Trastuzumab-containing Regimen**

**Eric Van Cutsem, MD<sup>a</sup>**, Maria di Bartolomeo, Elizabeth Smyth, Ian Chau, Haeseong Park, Salvatore Siena, Sara Lonardi, Zev A. Wainberg, Jaffer Ajani, Joseph Chao, Jabed Seraj, Yoshinori Kawaguchi, Amy Qin, Jasmeet Singh, Gerold Meinhardt, Geoffrey Ku

**On behalf of the DESTINY-Gastric02 investigators**



# DESTINY-Gastric02 Study Design

An open-label, multicenter phase 2 study in Western patients with HER2+ gastric or GEJ cancer (NCT04014075)

## Key eligibility criteria

- Pathologically documented, unresectable or metastatic gastric or GEJ cancer
- Centrally confirmed HER2 positive disease (defined as IHC 3+ or IHC 2+/ISH+) on biopsy after progression on first-line trastuzumab-containing regimen
- ECOG PS 0 or 1



**T-DXd**  
**6.4 mg/kg Q3W**  
**N = 79<sup>a</sup>**



## Primary endpoint

- Confirmed ORR by ICR

## Secondary endpoints<sup>b</sup>

- PFS by ICR
- OS
- DOR by ICR
- Safety and tolerability

- DESTINY-Gastric02 is the first study focused only on second-line T-DXd monotherapy in Western patients with HER2+ gastric/GEJ cancer who have progressed on a trastuzumab-containing regimen
  - It is the follow-on study to DESTINY-Gastric01, which evaluated T-DXd third-line or later in Asian patients<sup>1</sup>
- Patients were enrolled in Europe (Belgium, Great Britain, Italy, Spain) and the United States (data cutoff: April 9, 2021)

<sup>a</sup>Enrollment of 80 patients was planned; actual enrollment was 79 patients.

<sup>b</sup>Other secondary endpoints were ORR, PFS, and DOR by investigator assessment, pharmacokinetics, anti-drug antibodies, and patient-reported outcomes.

1. Shitara K et al. *N Engl J Med*. 2020;382:2419-30.

DOR, duration of response; ECOG PS, Eastern Cooperative Oncology Group performance status; GEJ, gastroesophageal junction; HER2, human epidermal growth factor receptor 2; ICR, independent central review; IHC, immunohistochemistry; ISH, in situ hybridization; ORR, objective response rate; OS, overall survival; PFS, progression-free survival; T-DXd, trastuzumab deruxtecan; Q3W, every 3 weeks.





# Efficacy Endpoints

	Patients (N = 79)
<b>Confirmed ORR<sup>a</sup>, n (%)</b>	<b>30 (38)</b> (95% CI, 27.3-49.6)
<b>Confirmed best overall response, n (%)</b>	
CR	<b>3 (3.8)</b>
PR	<b>27 (34.2)</b>
SD	<b>34 (43.0)</b>
PD	<b>13 (16.5)</b>
Not evaluable	<b>2 (2.5)</b>
<b>Median DOR,<sup>b</sup> months</b>	8.1 (95% CI, 4.1-NE)
<b>Confirmed DCR<sup>c</sup>, n (%)</b>	64 (81.0) (95% CI, 70.6-89.0)
<b>Median TTR, months</b>	1.4 (95% CI, 1.4-2.6)
<b>Median PFS,<sup>d</sup> months</b>	5.5 (95% CI, 4.2-7.3)
<b>Median follow up, months</b>	5.7 (range, 0.7-15.2)

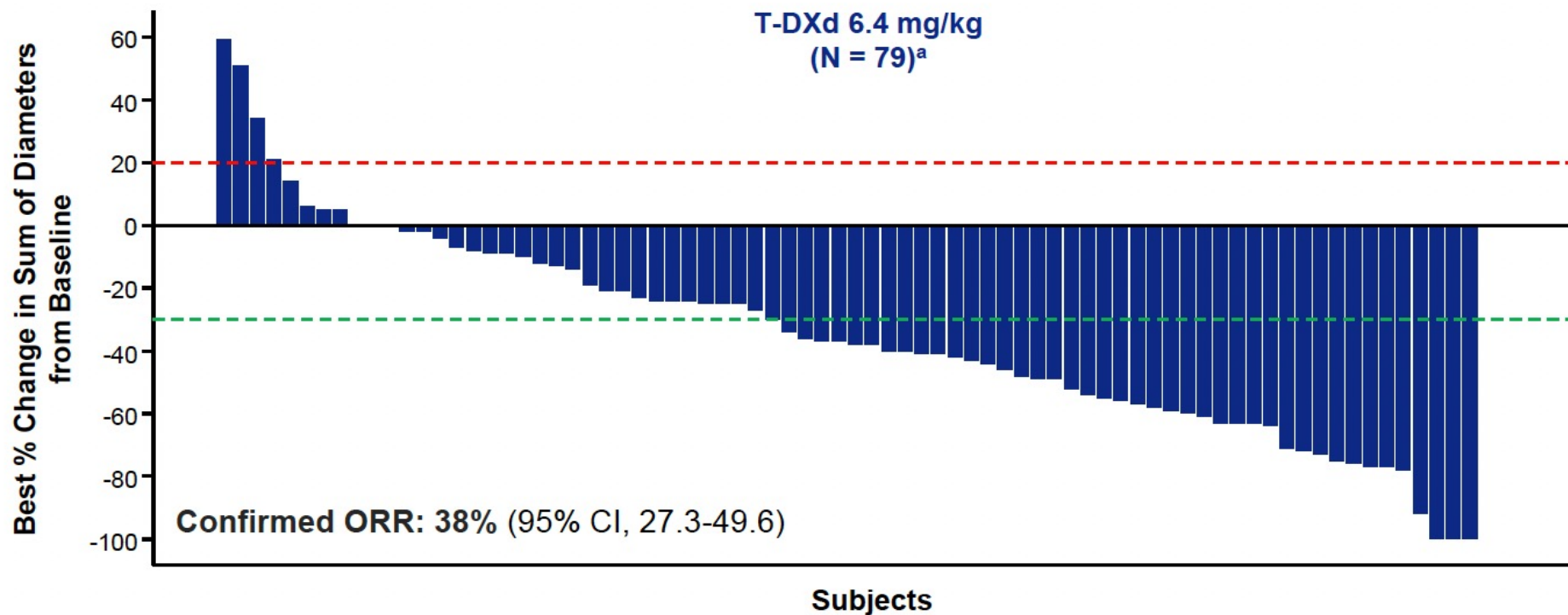
Cutoff date: April 9, 2021.

<sup>a</sup>Primary endpoint. <sup>b</sup>Secondary endpoint analysis based on responders (n=30); 21 patients were censored (reasons: initiating new anticancer therapy, adequate tumor assessment no longer available, and ongoing without occurrence of progressive disease or death). <sup>c</sup>Exploratory endpoint. <sup>d</sup>Secondary endpoint analysis in the full analysis set based on 42 events (36 PD, 6 deaths).

BOR, best overall response; CR, complete response; DCR, disease control rate; mo, months; NE, not evaluable; PD, progressive disease; PR, partial response; SD, stable disease; TTR, time to response.



# Best Percentage Change of Tumor Size from Baseline



<sup>a</sup>3 patients were missing baseline or post-baseline target lesion assessment.  
Red line at 20% indicates progressive disease; green line at -30% indicates partial response.  
Analysis conducted in the full analysis set.





# Overall Safety Summary

n (%)	Patients (N = 79)
<b>Any drug-related TEAE</b>	74 (93.7)
<b>Drug-related TEAE Grade <math>\geq</math>3</b>	21 (26.6)
<b>Serious drug-related TEAE</b>	8 (10.1)
<b>Drug-related TEAE associated with discontinuation</b>	7 (8.9)
<b>Drug-related TEAE associated with dose reduction</b>	15 (19.0)
<b>Drug-related TEAE associated with an outcome of death</b>	1 (1.3)

- Median treatment duration was 4.3 months (range, 0.7-15.9 months)
- The most common drug-related TEAEs associated with treatment discontinuation were investigator-reported pneumonitis (3.8%) and ILD (2.5%)
- The most common drug-related TEAEs associated with dose reduction were nausea (7.6%) and decreased neutrophil count (5.1%)



Data are shown as number (%) of patients unless stated otherwise.  
ILD, interstitial lung disease; TEAE, treatment-emergent adverse event.



# Drug-related TEAEs in $\geq 15\%$ of Patients

n (%)	Patients (N = 79)	
	Any Grade	Grade $\geq 3$
<b>Patients with <math>\geq 1</math> drug-related TEAEs</b>	74 (93.7)	21 (26.6)
<b>Drug-related TEAEs with <math>\geq 15\%</math> incidence in all patients</b>		
Nausea	46 (58.2)	3 (3.8)
Fatigue	29 (36.7)	3 (3.8)
Vomiting	26 (32.9)	1 (1.3)
Diarrhea	22 (27.8)	1 (1.3)
Decreased appetite	18 (22.8)	1 (1.3)
Alopecia	17 (21.5)	0
Anemia	15 (19.0)	6 (7.6)
Decreased platelet count	13 (16.5)	1 (1.3)
Decreased neutrophil count	12 (15.2)	6 (7.6)



## Adjudicated Drug-Related ILD/Pneumonitis

	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Any Grade
n (%)	2 (2.5)	3 (3.8)	0	0	1 (1.3)	6 (7.6)

- Median time to onset of adjudicated drug-related ILD/pneumonitis was 80.5 days (range, 53-85 days), with a median duration of 38.0 days (range, 15-142 days)
- 83% of adjudicated drug-related ILD/pneumonitis cases were low grade (Grade 1-2)





## Conclusions

- DESTINY-Gastric02 is the first study focused only on 2L T-DXd monotherapy in Western HER2+ patients with gastric/GEJ cancer who progressed on a trastuzumab-containing regimen
- Efficacy results demonstrate clinically meaningful and durable responses
- Safety profile was generally consistent with the established safety profile of T-DXd
- DESTINY-Gastric02 provides clinical evidence for T-DXd as a valuable 2L HER2-targeted treatment option and supports the ongoing randomized phase 3 trial, DESTINY-Gastric04 (NCT04704934)

**Case Presentation: A 64-year-old woman with HER2-negative metastatic esophageal adenocarcinoma with COPD and vascular disease – pMMR, PD-L1 CPS 5**



**Dr Philip Brooks (Brewer, Maine)**

**Case Presentation: A 65-year-old man with HER2-negative localized esophageal adenocarcinoma and history of GERD and Barrett's esophagus – pMMR, PD-L1 CPS 1**



**Dr Matthew Strickland (Boston, Massachusetts)**

# Case Presentation: A 63-year-old man with squamous cell carcinoma of the esophagus who has local and oligometastatic nodal recurrence



**Dr Erik Rupard (West Reading, Pennsylvania)**

# Adjuvant nivolumab in resected esophageal or gastroesophageal junction cancer following neoadjuvant chemoradiotherapy: expanded efficacy and safety analyses from CheckMate 577

Ronan J. Kelly,<sup>1</sup> Jaffer A. Ajani,<sup>2</sup> Jaroslaw Kuzdzal,<sup>3</sup> Thomas Zander,<sup>4</sup> Eric Van Cutsem,<sup>5</sup> Guillaume Piessen,<sup>6</sup> Guillermo Mendez,<sup>7</sup> Josephine Feliciano,<sup>8</sup> Satoru Motoyama,<sup>9</sup> Astrid Lièvre,<sup>10</sup> Hope Uronis,<sup>11</sup> Elena Elimova,<sup>12</sup> Cecile Grootsholten,<sup>13</sup> Karen Geboes,<sup>14</sup> Jenny Zhang,<sup>15</sup> Samira Soleymani,<sup>15</sup> Ming Lei,<sup>15</sup> Prianka Singh,<sup>15</sup> James M. Cleary,<sup>16</sup> Markus Moehler<sup>17</sup>

<sup>1</sup>The Charles A. Sammons Cancer Center at Baylor University Medical Center, Dallas, TX; <sup>2</sup>The University of Texas MD Anderson Cancer Center, Houston, TX; <sup>3</sup>Jagiellonian University, John Paul II Hospital, Cracow, Poland; <sup>4</sup>University Hospital of Cologne, Cologne, Germany; <sup>5</sup>University Hospitals Gasthuisberg, Leuven and KULeuven, Leuven, Belgium; <sup>6</sup>University of Lille, Claude Huriez University Hospital, Lille, France; <sup>7</sup>Fundacion Favaloro, Buenos Aires, Argentina; <sup>8</sup>Johns Hopkins Sidney Kimmel Comprehensive Cancer Center, Baltimore, MD; <sup>9</sup>Akita University Hospital, Akita, Japan; <sup>10</sup>CHU Pontchaillou, Rennes 1 University, Rennes, France; <sup>11</sup>Duke Cancer Institute, Durham, NC; <sup>12</sup>Princess Margaret Cancer Centre, Toronto, ON, Canada; <sup>13</sup>Netherlands Cancer Institute-Antoni van Leeuwenhoek Hospital, Amsterdam, Netherlands; <sup>14</sup>UZ Gent, Gent, Belgium; <sup>15</sup>Bristol Myers Squibb, Princeton, NJ; <sup>16</sup>Dana Farber Cancer Institute, Boston, MA; <sup>17</sup>Johannes-Gutenberg University Clinic, Mainz, Germany

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Abstract number 4003

# Challenges in enrolling patients on clinical trials



**Dr Erik Rupard (West Reading, Pennsylvania)**

# Meet The Professor with Prof Van Cutsem

## Introduction: Journal Club with Prof Van Cutsem – Part 1

### MODULE 1: Case Presentations

- Dr Peswani: A 76-year-old woman with HER2-negative metastatic gastric cancer – MSI high, PD-L1 >20%
- Dr Gupta: A 74-year-old man with multiple comorbidities and HER2-negative metastatic gastroesophageal junction (GEJ) adenocarcinoma – MSS, PD-L1-positive
- Dr Narayanan: A 55-year-old man with HER2-positive metastatic GEJ adenocarcinoma – PD-L1 low
- Dr Fonkoua: A 65-year-old woman with HER2-equivocal metastatic GEJ adenocarcinoma – pMMR, PD-L1 CPS 10
- Dr Brooks: A 64-year-old woman with HER2-negative metastatic esophageal adenocarcinoma with COPD and vascular disease – pMMR, PD-L1 CPS 5
- Dr Strickland: A 65-year-old man with HER2-negative localized esophageal adenocarcinoma and history of GERD and Barrett's esophagus – pMMR, PD-L1 CPS 1
- Dr Rupard: A 63-year-old man with squamous cell carcinoma of the esophagus who has local and oligometastatic nodal recurrence

### MODULE 2: Journal Club with Prof Van Cutsem – Part 2

### MODULE 3: Appendix of Key Publications



Available online at [www.sciencedirect.com](http://www.sciencedirect.com)

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journal homepage: [www.ejcancer.com](http://www.ejcancer.com)



Review

## Definition of oligometastatic esophagogastric cancer and impact of local oligometastasis-directed treatment: A systematic review and meta-analysis

Tiuri E. Kroese <sup>a,b,\*</sup>, Hanneke W.M. van Laarhoven <sup>c</sup>, Magnus Nilsson <sup>d</sup>, Florian Lordick <sup>e</sup>, Matthias Guckenberger <sup>f</sup>, Jelle P. Ruurda <sup>a</sup>, Domenico D’Ugo <sup>g</sup>, Karin Haustermans <sup>h</sup>, Eric van Cutsem <sup>i</sup>, Richard van Hillegersberg <sup>a</sup>, Peter S.N. van Rossum <sup>b</sup>



***Clin Cancer Res* 2022;[Online ahead of print].**


**Association of Tumor Mutational Burden with Efficacy of Pembrolizumab±**

**Chemotherapy as First-Line Therapy for Gastric Cancer in the Phase III KEYNOTE-062 Study**

Keun-Wook Lee,<sup>1\*</sup> Eric Van Cutsem,<sup>2</sup> Yung-Jue Bang,<sup>3</sup> Charles S. Fuchs,<sup>4</sup> Iveta Kudaba,<sup>5</sup>  
Marcelo Garrido,<sup>6</sup> Hyun Cheol Chung,<sup>7</sup> Jeeyun Lee,<sup>8</sup> Hugo R. Castro,<sup>9</sup> Joseph Chao,<sup>10</sup> Zev  
A. Wainberg,<sup>11</sup> Z. Alexander Cao,<sup>12</sup> Deepti Aurora-Garg,<sup>12</sup> Julie Kobie,<sup>12</sup> Razvan Cristescu,<sup>12</sup>  
Pooja Bhagia,<sup>12</sup> Sukrut Shah,<sup>12</sup> Josep Tabernero,<sup>13</sup> Kohei Shitara,<sup>14</sup> Lucjan Wyrwicz<sup>15</sup>

SHORT COMMUNICATION

## Trifluridine/tipiracil in patients with metastatic gastroesophageal junction cancer: a subgroup analysis from the phase 3 TAGS study

Wasat Mansoor<sup>1</sup>  · Hendrik-Tobias Arkenau<sup>2</sup> · Maria Alsina<sup>3</sup> · Kohei Shitara<sup>4</sup> · Peter Thuss-Patience<sup>5</sup> · Sinead Cuffe<sup>6</sup> · Mikhail Dvorkin<sup>7</sup> · David Park<sup>8</sup> · Takayuki Ando<sup>9</sup> · Marc Van Den Eynde<sup>10</sup> · Giordano D. Beretta<sup>11</sup> · Alberto Zaniboni<sup>12</sup> · Toshihiko Doi<sup>4</sup> · Josep Tabernero<sup>13</sup> · David H. Ilson<sup>14</sup> · Lukas Makris<sup>15</sup> · Karim A. Benhadji<sup>16</sup> · Eric Van Cutsem<sup>17</sup>

# Phase II Study of Zolbetuximab plus Pembrolizumab in Claudin 18.2-Positive Locally Advanced or Metastatic Gastric or Gastroesophageal Junction Adenocarcinoma (G/GEJ) — ILUSTRO Cohort 3

Klempner SJ et al.

Gastrointestinal Cancers Symposium 2021;Abstract TPS260.

# Zolbetuximab + CAPOX versus CAPOX in First-Line Treatment of Claudin18.2<sup>+</sup>/HER2<sup>-</sup> Advanced/Metastatic Gastric or Gastroesophageal Junction Adenocarcinoma: GLOW Phase 3 Study

Shah MA et al.

Gastrointestinal Cancers Symposium 2022;Abstract TPS365.

# Meet The Professor with Prof Van Cutsem

## Introduction: Journal Club with Prof Van Cutsem – Part 1

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- Dr Brooks: A 64-year-old woman with HER2-negative metastatic esophageal adenocarcinoma with COPD and vascular disease – pMMR, PD-L1 CPS 5
- Dr Strickland: A 65-year-old man with HER2-negative localized esophageal adenocarcinoma and history of GERD and Barrett's esophagus – pMMR, PD-L1 CPS 1
- Dr Rupard: A 63-year-old man with squamous cell carcinoma of the esophagus who has local and oligometastatic nodal recurrence

### MODULE 2: Journal Club with Prof Van Cutsem – Part 2

### MODULE 3: Appendix of Key Publications

# HER2-Negative Gastroesophageal Cancers

# Checkpoint Inhibitor Approvals for HER2-Negative Gastric, GEJ and Esophageal Cancers

Regimen/FDA approval date/Pivotal trial	Location	Histology	Setting	PD-L1
Nivolumab 5/20/21 (CM-577)	Esophageal, GEJ	Adenocarcinoma and squamous	<ul style="list-style-type: none"> <li>Completed resected, with residual pathologic disease after neoadjuvant chemoradiation</li> </ul>	Not required
Pembrolizumab + cisplatin/5-FU 3/22/2021 (KN-590)	Esophageal, GEJ	Adenocarcinoma and squamous	<ul style="list-style-type: none"> <li>Recurrent locally advanced or metastatic</li> <li>Not amenable to surgical resection or definitive chemoradiation</li> </ul>	Not required
Nivolumab + mFOLFOX6 or CAPOX 4/16/2021 (CM-649)	Gastric, GEJ, esophageal	Adenocarcinoma	<ul style="list-style-type: none"> <li>Advanced or metastatic gastric, GEJ or esophageal adenocarcinoma</li> </ul>	Not required
Pembrolizumab 7/30/2019 (KN-181)	Esophageal, GEJ	Squamous	<ul style="list-style-type: none"> <li>Recurrent locally advanced or metastatic</li> <li>Not amenable to surgical resection or definitive chemoradiation</li> <li>After ≥1 prior lines of systemic therapy</li> </ul>	CPS ≥10
Nivolumab 6/10/2020 (ATTRACTION-3)	Esophageal	Squamous	<ul style="list-style-type: none"> <li>Unresectable advanced, recurrent or metastatic</li> <li>After prior fluoropyrimidine- and platinum-based chemotherapy</li> </ul>	Not required

Kelly RJ et al. *New Engl J Med* 2021;384(13):1191-203. Sun J et al. *Lancet* 2021;398(10302):759-71. Janjigian YY et al. *Lancet* 2021;398(10294):27-40. Kojima T et al. *J Clin Oncol* 2020;38(35):4138-48. Kato K et al. *Lancet Oncol* 2019;20(11):1506-17.

# Nivolumab plus chemotherapy or ipilimumab in gastro-oesophageal cancer

<https://doi.org/10.1038/s41586-022-04508-4>

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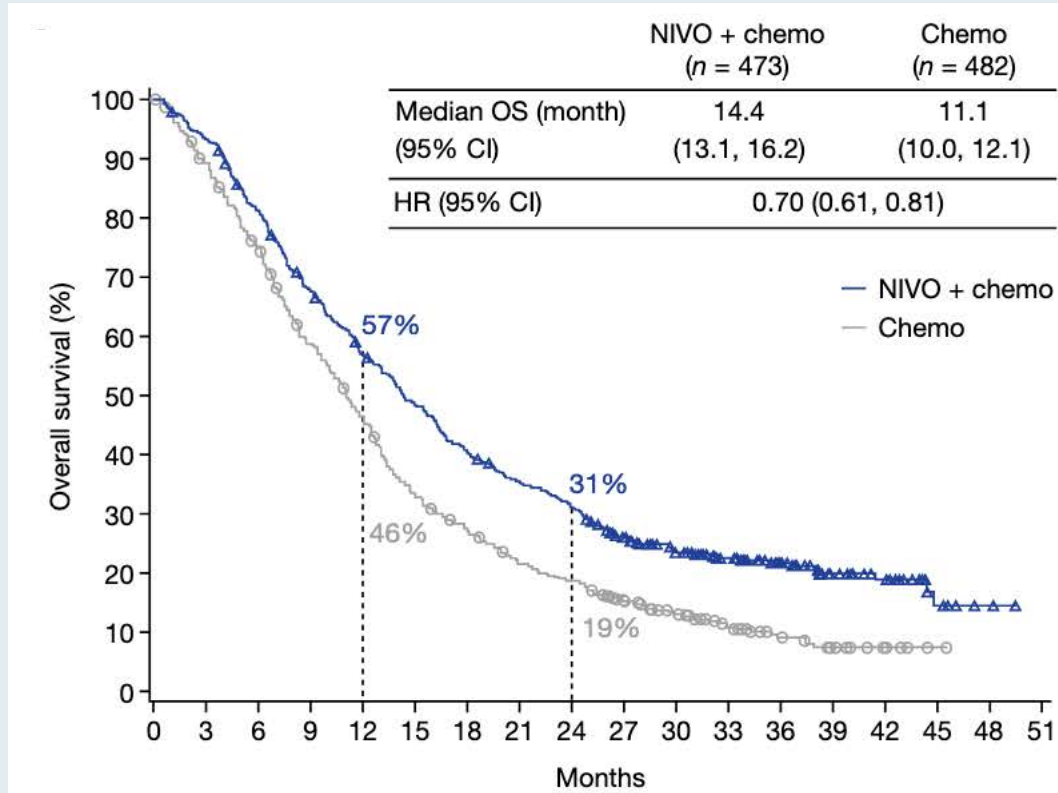
Open access

Kohei Shitara<sup>1</sup>, Jaffer A. Ajani<sup>2</sup>, Markus Moehler<sup>3</sup>, Marcelo Garrido<sup>4</sup>, Carlos Gallardo<sup>5</sup>, Lin Shen<sup>6</sup>, Kensei Yamaguchi<sup>7</sup>, Lucjan Wyrwicz<sup>8</sup>, Tomasz Skoczylas<sup>9</sup>, Arinilda Campos Bragagnoli<sup>10</sup>, Tianshu Liu<sup>11</sup>, Mustapha Tehfe<sup>12</sup>, Elena Elimova<sup>13</sup>, Ricardo Bruges<sup>14</sup>, Thomas Zander<sup>15</sup>, Sergio de Azevedo<sup>16</sup>, Ruben Kowalyszyn<sup>17</sup>, Roberto Pazo-Cid<sup>18</sup>, Michael Schenker<sup>19</sup>, James M. Cleary<sup>20</sup>, Patricio Yanez<sup>21</sup>, Kynan Feeney<sup>22</sup>, Michalis V. Karamouzis<sup>23</sup>, Valerie Poulart<sup>24</sup>, Ming Lei<sup>24</sup>, Hong Xiao<sup>24</sup>, Kaoru Kondo<sup>24</sup>, Mingshun Li<sup>24</sup> & Yelena Y. Janjigian<sup>25</sup>✉

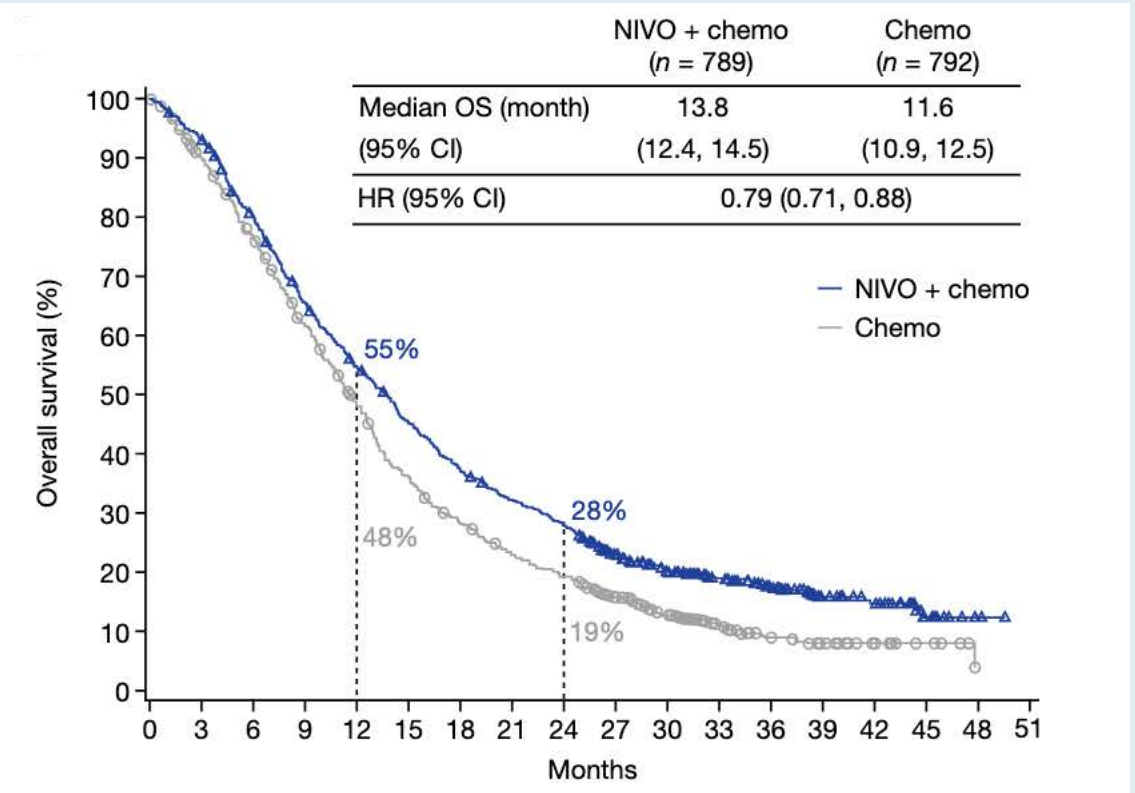


# CheckMate 649: Overall Survival

## PD-L1 CPS $\geq 5$

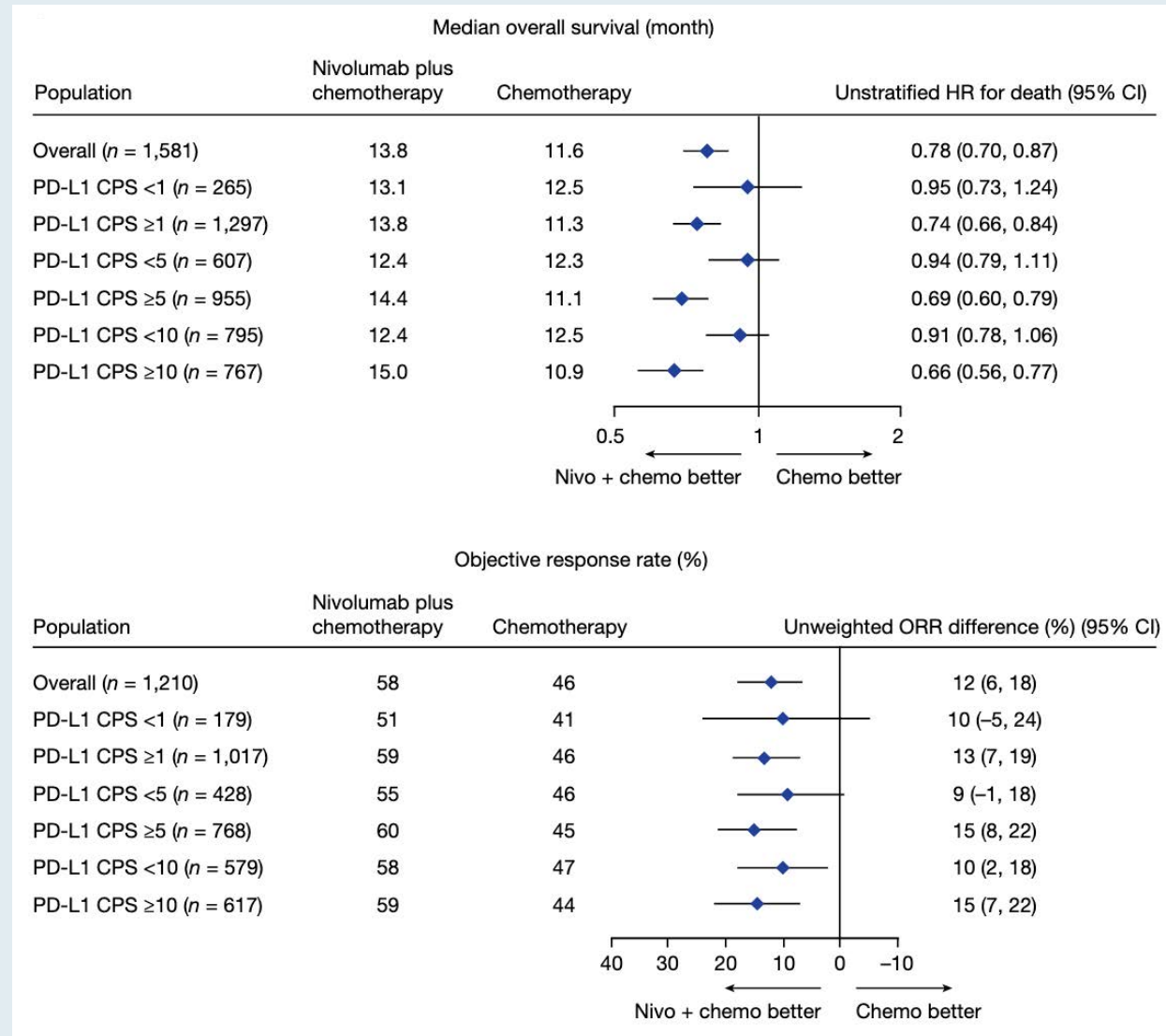


## All randomly assigned patients



CPS = combined positive score

# CheckMate 649: Efficacy Subgroup Analysis by PD-L1 CPS Excluding Patients with MSI-High Tumors



The NEW ENGLAND JOURNAL of MEDICINE

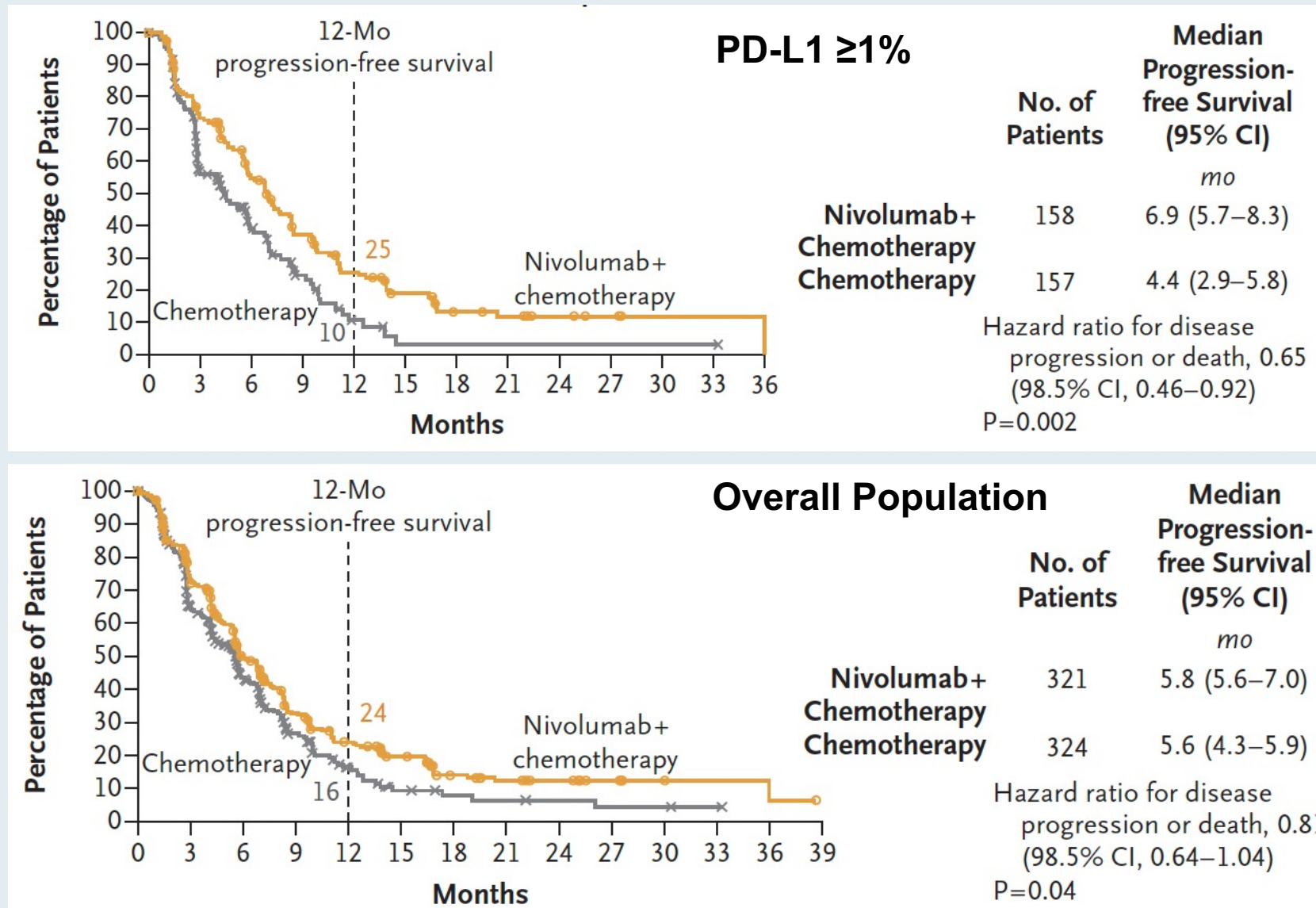
ORIGINAL ARTICLE

# Nivolumab Combination Therapy in Advanced Esophageal Squamous-Cell Carcinoma

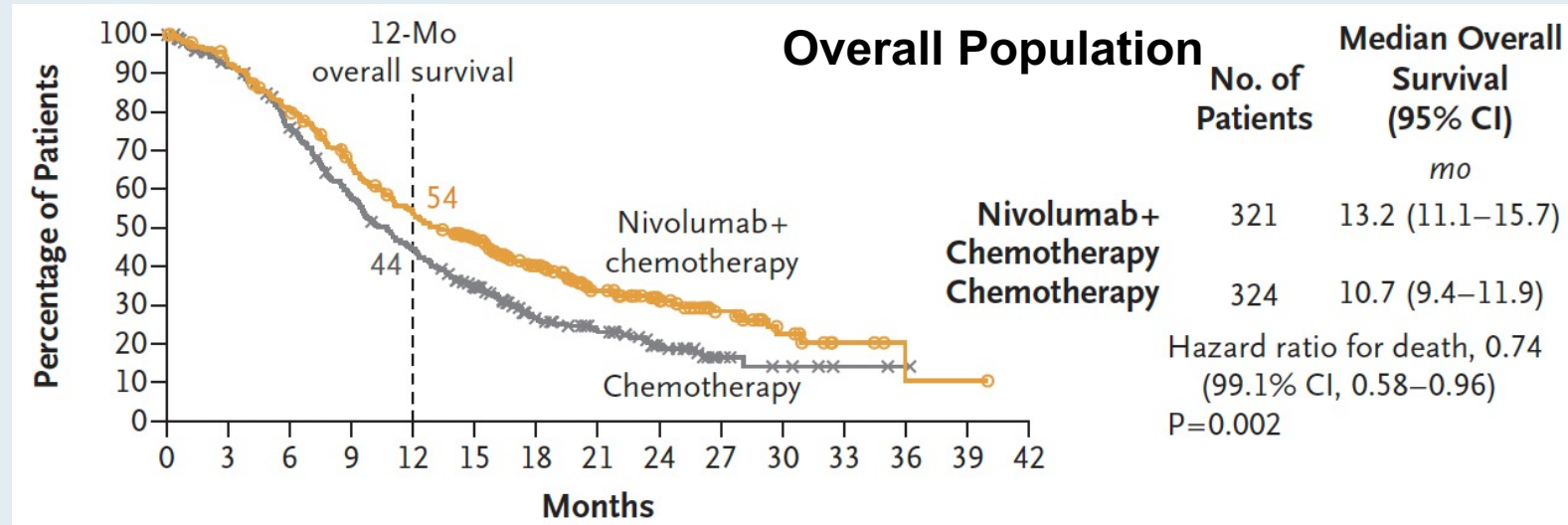
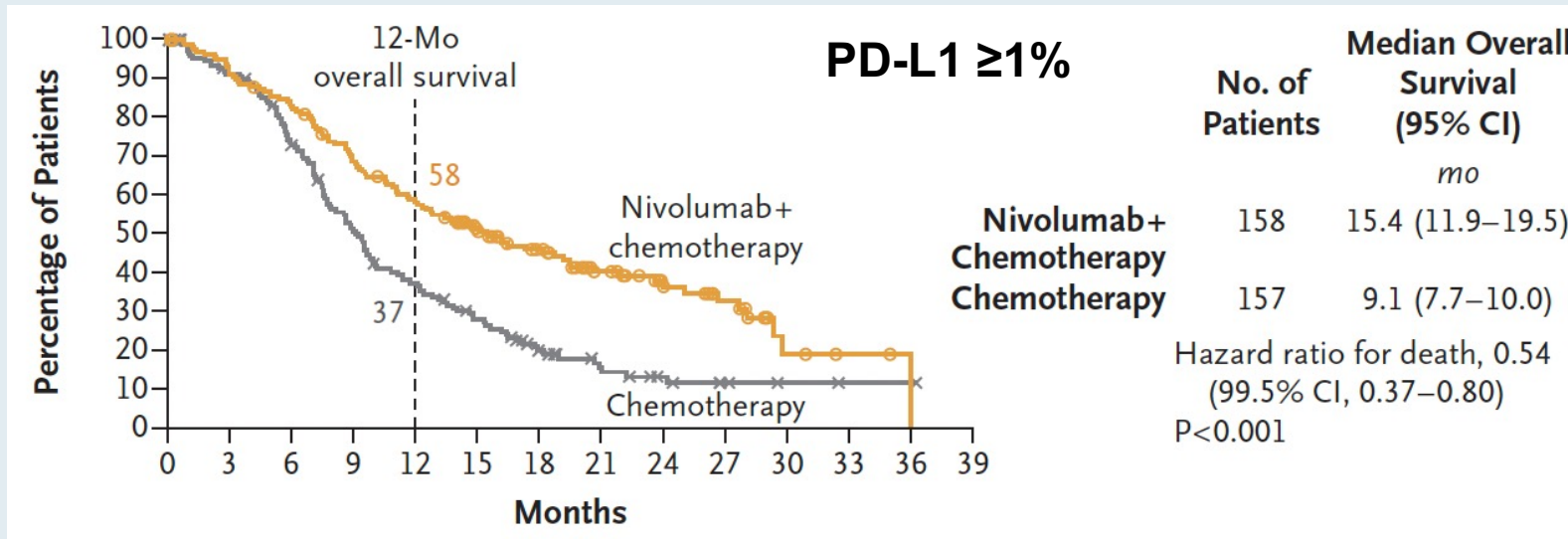
Y. Doki, J.A. Ajani, K. Kato, J. Xu, L. Wyrwicz, S. Motoyama, T. Ogata, H. Kawakami, C.-H. Hsu, A. Adenis, F. El Hajbi, M. Di Bartolomeo, M.I. Braghiroli, E. Holtved, S.A. Ostoich, H.R. Kim, M. Ueno, W. Mansoor, W.-C. Yang, T. Liu, J. Bridgewater, T. Makino, I. Xynos, X. Liu, M. Lei, K. Kondo, A. Patel, J. Gricar, I. Chau, and Y. Kitagawa, for the CheckMate 648 Trial Investigators\*

*New Engl J Med 2022;386(5):449-62.*

# CheckMate 648: Progression-Free Survival for PD-L1 $\geq 1\%$ and in the Overall Population – Nivolumab + Chemotherapy

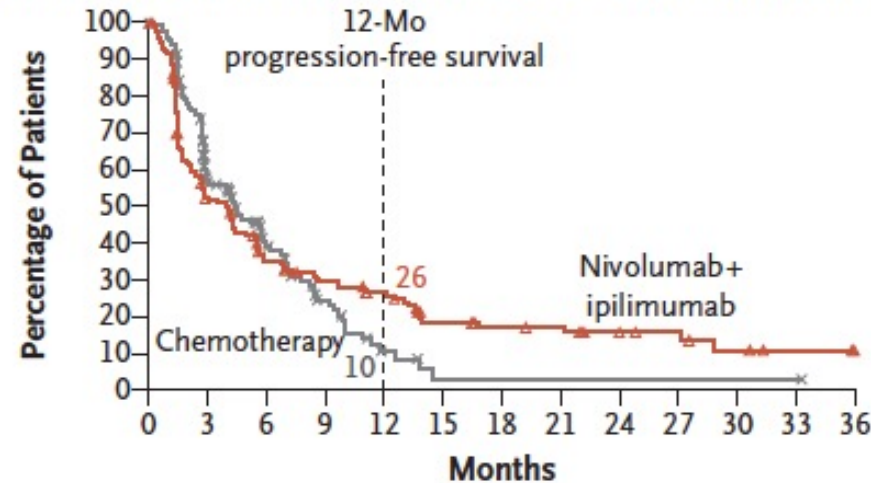


# CheckMate 648: Overall Survival for PD-L1 $\geq 1\%$ and in the Overall Population – Nivolumab + Chemotherapy



# CheckMate 648: Progression-Free Survival for PD-L1 $\geq 1\%$ and in the Overall Population – Nivolumab + Ipilimumab

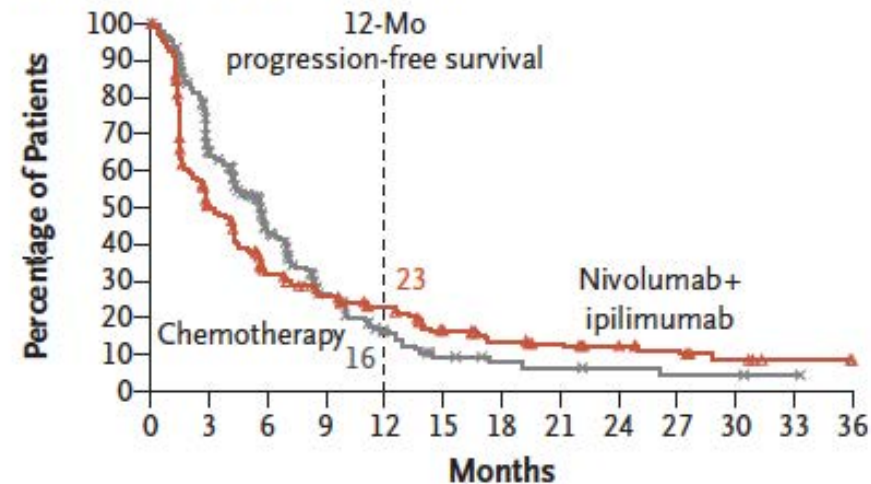
Progression-free Survival in Patients with Tumor-Cell PD-L1 Expression of  $\geq 1\%$



	No. of Patients	Median Progression-free Survival (95% CI) mo
Nivolumab+ Ipilimumab	158	4.0 (2.4–4.9)
Chemotherapy	157	4.4 (2.9–5.8)

Hazard ratio for disease progression or death, 1.02 (98.5% CI, 0.73–1.43)  
P=0.90

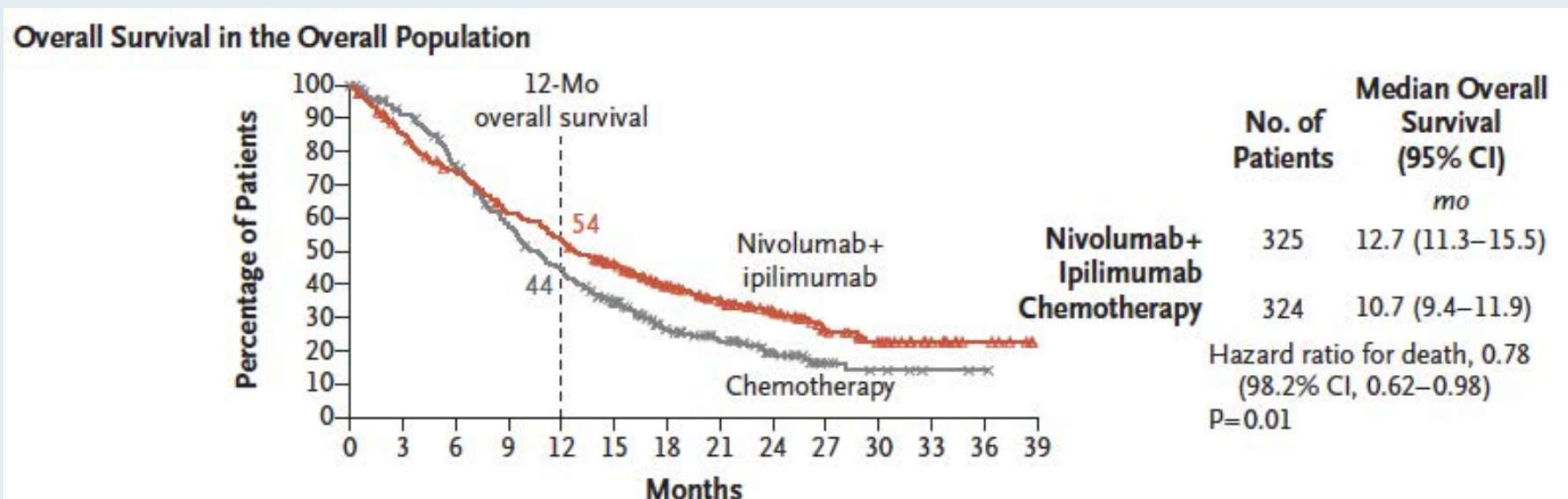
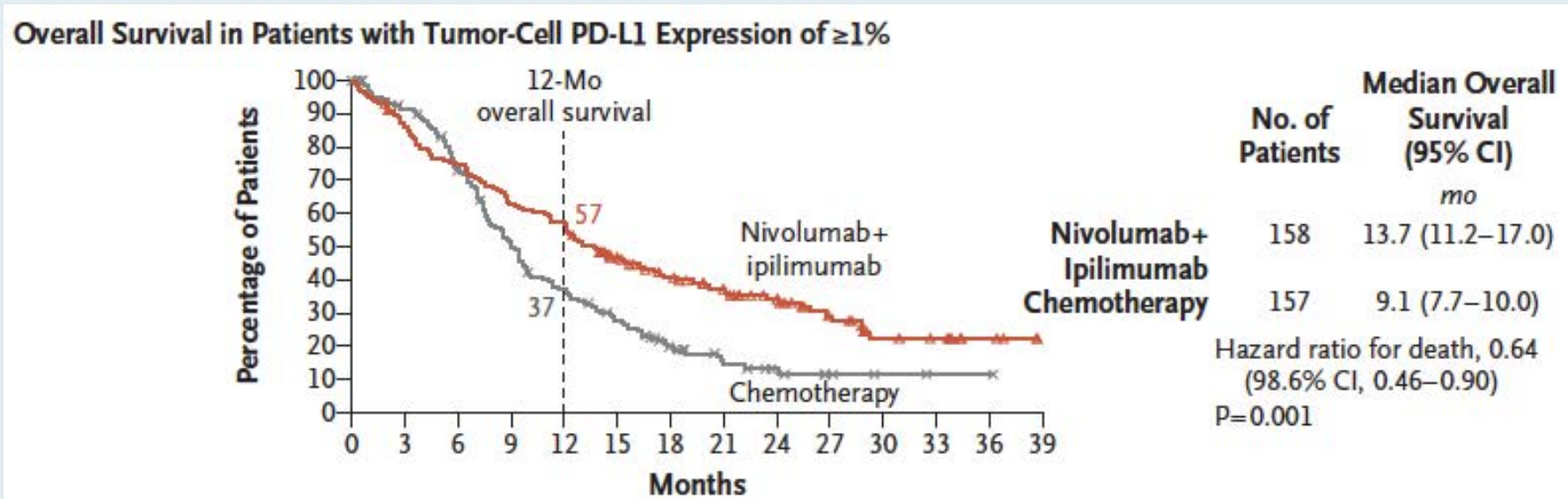
Progression-free Survival in the Overall Population



	No. of Patients	Median Progression-free Survival (95% CI) mo
Nivolumab+ Ipilimumab	325	2.9 (2.7–4.2)
Chemotherapy	324	5.6 (4.3–5.9)

Hazard ratio for disease progression or death, 1.26 (95% CI, 1.04–1.52)  
P value not tested

# CheckMate 648: Overall Survival for PD-L1 $\geq 1\%$ and in the Overall Population – Nivolumab + Ipilimumab



## CheckMate 648: Antitumor Activity (BICR)

Endpoint	PD-L1 ≥1%			Overall population		
	Nivo/chemo (n = 158)	Nivo/ipi (n = 158)	Chemotherapy (n = 157)	Nivo/chemo (n = 321)	Nivo/ipi (n = 325)	Chemotherapy (n = 324)
ORR	53%	35%	20%	47%	28%	27%
<b>Best overall response</b>						
CR	16%	18%	5%	13%	11%	6%
PR	37%	18%	15%	34%	17%	21%
SD	25%	27%	46%	32%	32%	46%
PD	14%	30%	15%	13%	32%	12%
Median DoR	8.4 mo	11.8 mo	5.7 mo	8.2 mo	11.1 mo	7.1 mo
Pts with ongoing response	13%	25%	3%	17%	22%	6%

BICR = blinded independent central review



## CheckMate 648: Select Treatment-Related Adverse Events

Endpoint	Nivolumab/chemotherapy (N = 310)		Nivolumab/ipilimumab (N = 322)		Chemotherapy (N = 304)	
	Any grade	Grade 3 or 4	Any grade	Grade 3 or 4	Any grade	Grade 3 or 4
Serious AEs	53%	35%	20%	47%	28%	27%
AEs leading to discontinuation	16%	18%	5%	13%	11%	6%
Nausea	59%	4%	8%	<1%	52%	3%
Stomatitis	32%	6%	4%	0	23%	2%
Anemia	30%	10%	4%	1%	22%	6%
Decreased neutrophils	21%	8%	1%	0	17%	8%
Decreased white cells	14%	4%	1%	0	9%	2%

# Checkmate-649 versus Checkmate-648

CM-649 - Gastric cancer

**NIVO (1 mg/kg) +  
IPI (3 mg/kg) Q3W × 4  
then NIVO 240 mg Q2W<sup>e</sup>**

Different schedules!



CM-648 - Esophageal cancer

**NIVO (3 mg/kg) Q2W +  
IPI (1 mg/kg) Q6W**

## CM-649: Treatment-related Adverse Events

All treated, <sup>a</sup> n (%)	NIVO + chemo (n = 782) <sup>b</sup>		Chemo (n = 767) <sup>b</sup>		NIVO + IPI (n = 403) <sup>c</sup>		Chemo (n = 389) <sup>c</sup>	
	Any grade	Grade 3-4	Any grade	Grade 3-4	Any grade	Grade 3-4	Any grade	Grade 3-4
Any TRAEs <sup>d</sup>	739 (95)	471 (60)	682 (89)	344 (45)	323 (80)	155 (38)	356 (92)	180 (46)
Serious TRAEs <sup>d</sup>	175 (22)	133 (17)	94 (12)	77 (10)	122 (30)	93 (23)	54 (14)	45 (12)
TRAEs leading to discontinuation <sup>d,e</sup>	300 (38)	141 (18)	188 (25)	70 (9)	88 (22)	68 (17)	101 (26)	37 (10)
Treatment-related deaths <sup>f</sup>	16 (2) <sup>g</sup>		4 (< 1) <sup>h</sup>		10 (2) <sup>i</sup>		3 (< 1) <sup>j</sup>	

# **Nivolumab (NIVO) plus Chemotherapy (Chemo) or Ipilimumab (IPI) vs Chemo as First-Line Treatment for Advanced Esophageal Squamous Cell Carcinoma (ESCC): Expanded Efficacy and Safety Analyses from CheckMate 648**

Chau I et al.

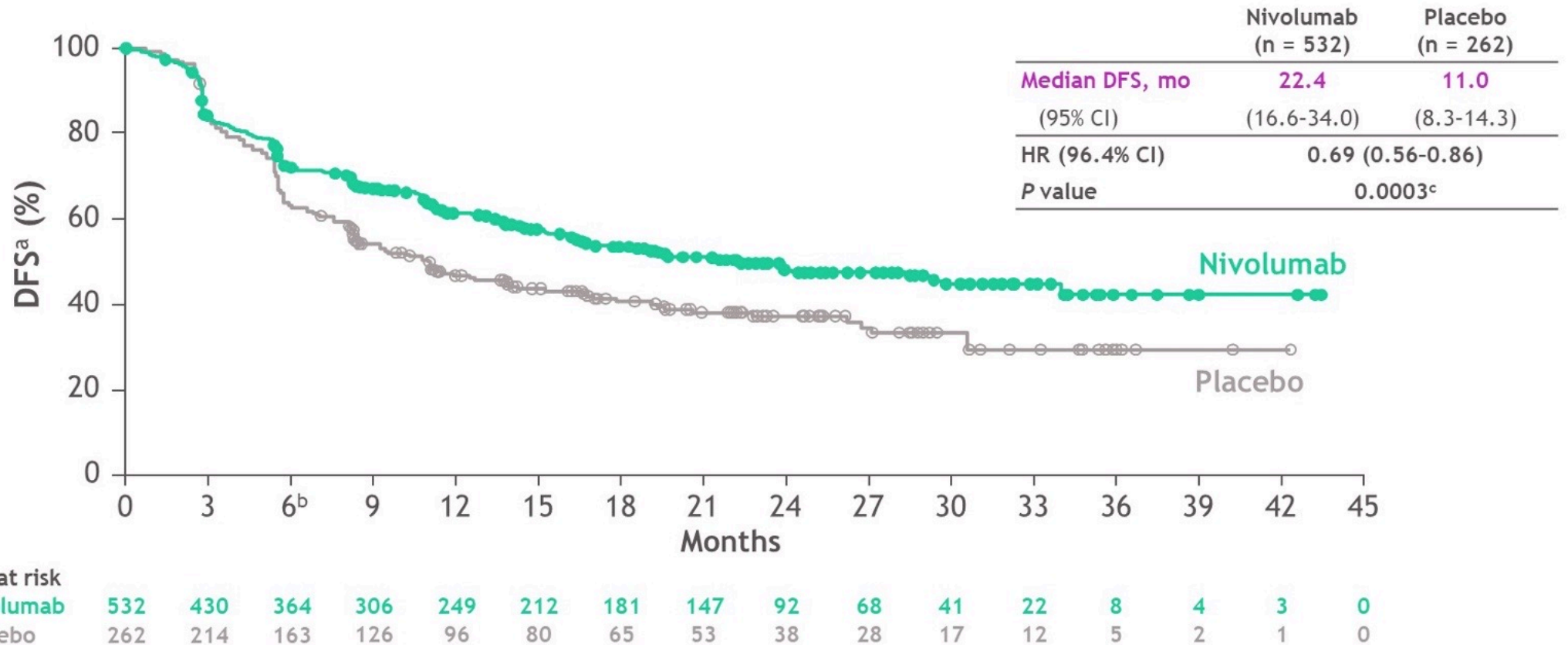
ESMO World Congress on Gastrointestinal Cancer 2022;Abstract O-3.

# Adjuvant nivolumab in resected esophageal or gastroesophageal junction cancer following neoadjuvant chemoradiotherapy: expanded efficacy and safety analyses from CheckMate 577

Ronan J. Kelly,<sup>1</sup> Jaffer A. Ajani,<sup>2</sup> Jaroslaw Kuzdzal,<sup>3</sup> Thomas Zander,<sup>4</sup> Eric Van Cutsem,<sup>5</sup> Guillaume Piessen,<sup>6</sup> Guillermo Mendez,<sup>7</sup> Josephine Feliciano,<sup>8</sup> Satoru Motoyama,<sup>9</sup> Astrid Lièvre,<sup>10</sup> Hope Uronis,<sup>11</sup> Elena Elimova,<sup>12</sup> Cecile Grootsholten,<sup>13</sup> Karen Geboes,<sup>14</sup> Jenny Zhang,<sup>15</sup> Samira Soleymani,<sup>15</sup> Ming Lei,<sup>15</sup> Prianka Singh,<sup>15</sup> James M. Cleary,<sup>16</sup> Markus Moehler<sup>17</sup>

<sup>1</sup>The Charles A. Sammons Cancer Center at Baylor University Medical Center, Dallas, TX; <sup>2</sup>The University of Texas MD Anderson Cancer Center, Houston, TX; <sup>3</sup>Jagiellonian University, John Paul II Hospital, Cracow, Poland; <sup>4</sup>University Hospital of Cologne, Cologne, Germany; <sup>5</sup>University Hospitals Gasthuisberg, Leuven and KU Leuven, Leuven, Belgium; <sup>6</sup>University of Lille, Claude Huriez University Hospital, Lille, France; <sup>7</sup>Fundacion Favaloro, Buenos Aires, Argentina; <sup>8</sup>Johns Hopkins Sidney Kimmel Comprehensive Cancer Center, Baltimore, MD; <sup>9</sup>Akita University Hospital, Akita, Japan; <sup>10</sup>CHU Pontchaillou, Rennes 1 University, Rennes, France; <sup>11</sup>Duke Cancer Institute, Durham, NC; <sup>12</sup>Princess Margaret Cancer Centre, Toronto, ON, Canada; <sup>13</sup>Netherlands Cancer Institute-Antoni van Leeuwenhoek Hospital, Amsterdam, Netherlands; <sup>14</sup>UZ Gent, Gent, Belgium; <sup>15</sup>Bristol Myers Squibb, Princeton, NJ; <sup>16</sup>Dana Farber Cancer Institute, Boston, MA; <sup>17</sup>Johannes-Gutenberg University Clinic, Mainz, Germany

# CheckMate 577: Disease-Free Survival (DFS)



- Nivolumab provided superior DFS with a 31% reduction in the risk of recurrence or death and a doubling in median DFS versus placebo

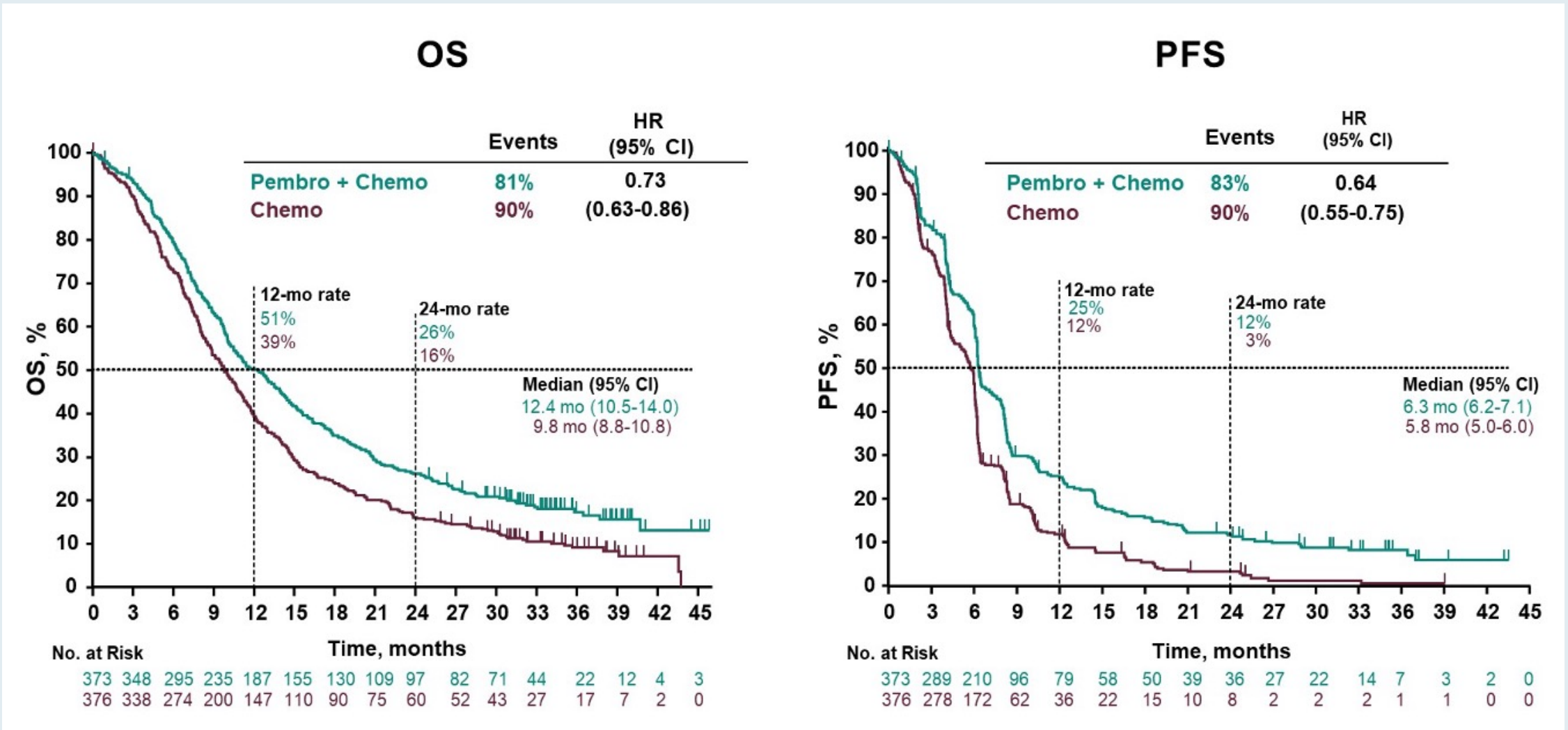
# First-line Pembrolizumab Plus Chemotherapy Versus Chemotherapy in Advanced Esophageal Cancer: Longer-term Efficacy, Safety, and Quality-of-life Results From the Phase 3 KEYNOTE-590 Study

Jean-Philippe Metges,<sup>1</sup> Ken Kato,<sup>2</sup> Jong-Mu Sun,<sup>3</sup> Manish A. Shah,<sup>4</sup> Peter Enzinger,<sup>5</sup> Antoine Adenis,<sup>6</sup> Toshihiko Doi,<sup>7</sup> Takashi Kojima,<sup>7</sup> Zhigang Li,<sup>8</sup> Sung-Bae Kim,<sup>9</sup> Byoung Chul Cho,<sup>10</sup> Wasat Mansoor,<sup>11</sup> Shau-Hsuan Li,<sup>12</sup> Patrapim Sunpaweravong,<sup>13</sup> Maria Alsina Maqueda,<sup>14</sup> Gary L. Buchsacher, Jr,<sup>15</sup> Wu Jimin,<sup>16</sup> Sukrut Shah,<sup>16</sup> Pooja Bhagia,<sup>16</sup> Lin Shen<sup>17</sup>

<sup>1</sup>CHU Brest – Institut de Cancerologie et d’Hematologie ARPEGO Network, Brest, France; <sup>2</sup>National Cancer Center Hospital, Tokyo, Japan; <sup>3</sup>Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea; <sup>4</sup>Weill Cornell Medical College, New York, NY, USA; <sup>5</sup>Dana Farber Cancer Institute, Boston, MA, USA; <sup>6</sup>IRCM, Inserm, Université Montpellier, ICM, Montpellier, France; <sup>7</sup>National Cancer Center Hospital East, Kashiwa, Japan; <sup>8</sup>Shanghai Chest Hospital Esophageal Disease Center, Shanghai, China; <sup>9</sup>Asan Medical Center, University of Ulsan College of Medicine, Seoul, Republic of Korea; <sup>10</sup>Severance Hospital, Yonsei University Health System, Seoul, Republic of Korea; <sup>11</sup>Christie Hospital NHS Trust, Manchester, United Kingdom; <sup>12</sup>Kaohsiung Chang Gung Memorial Hospital and Chang Gung University College of Medicine, Kaohsiung, Taiwan; <sup>13</sup>Prince of Songkla University Hospital, Songkhla, Thailand; <sup>14</sup>Vall d’Hebron Institute of Oncology, Barcelona, Spain; <sup>15</sup>Kaiser Permanente Southern California, Los Angeles Medical Center, Los Angeles, CA, USA; <sup>16</sup>Merck Sharp & Dohme Corp., a subsidiary of Merck & Co., Inc., Kenilworth, NJ, USA; <sup>17</sup>Peking University Cancer Hospital & Institute; Beijing, China

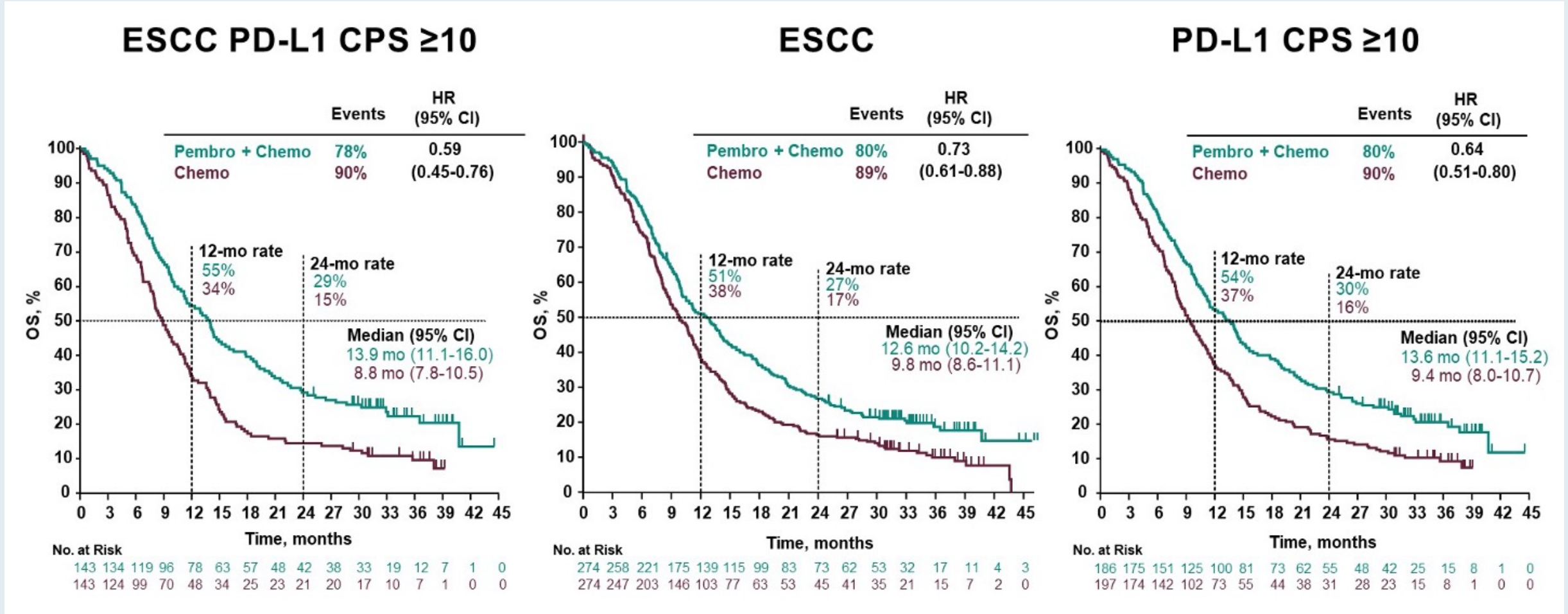
**Gastrointestinal Cancers Symposium 2022;Abstract 241.**

# KEYNOTE-590: Survival Analyses (All Patients)



OS = overall survival; PFS = progression-free survival

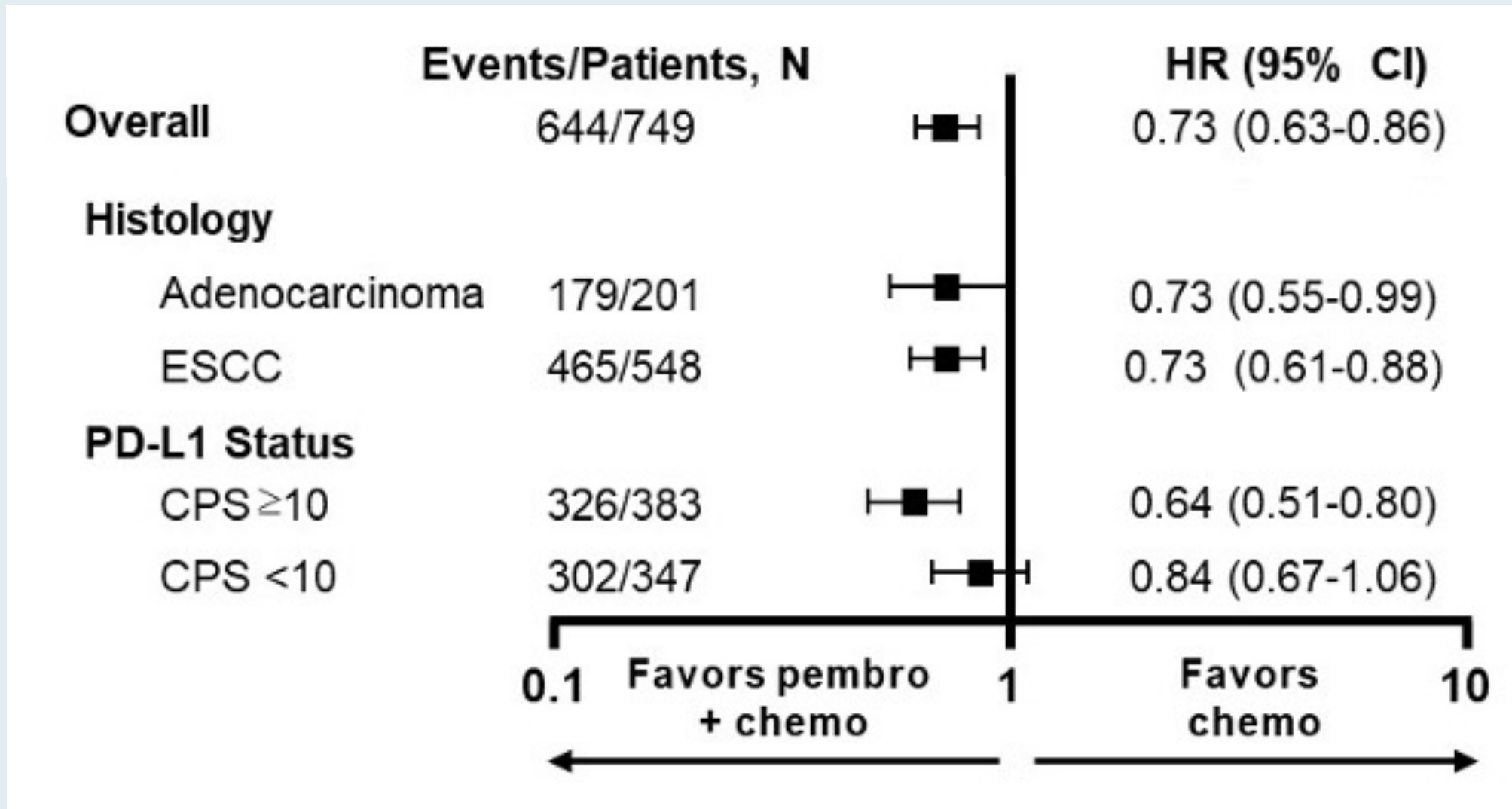
# KEYNOTE-590: Overall Survival (OS) in Prespecified Subgroups



ESCC = esophageal squamous cell carcinoma



# KEYNOTE-590: Overall Survival in Select Subgroups

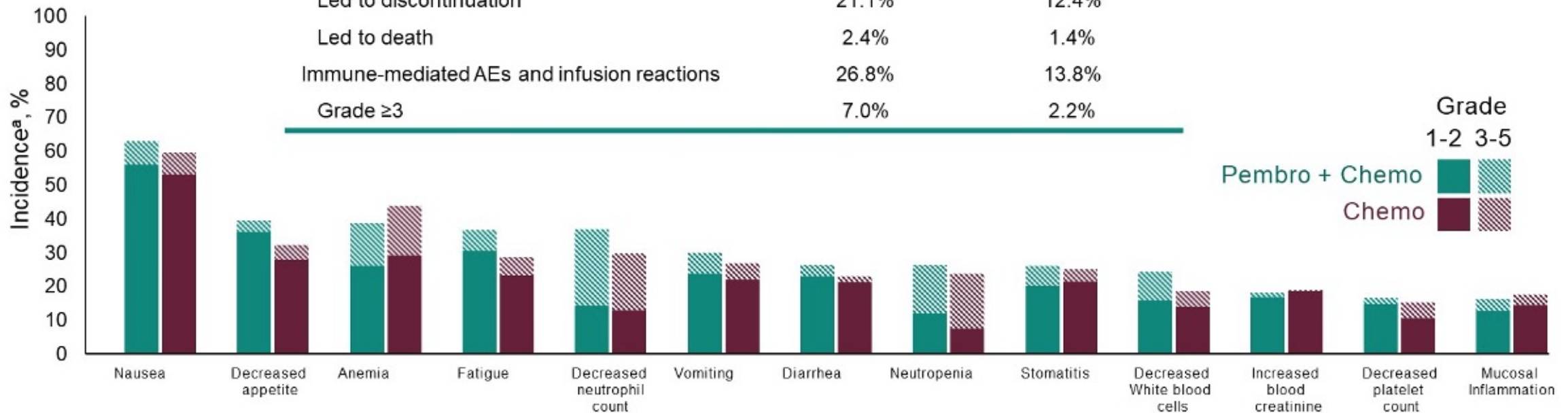


## KEYNOTE-590: Antitumor Response

Best response, n (%)	Pembro + Chemo N = 373	Chemo N = 376
<b>ORR, n (%)</b>	<b>168 (45.0)</b>	<b>110 (29.3)</b>
Complete response	25 (6.7)	9 (2.4)
Partial response	143 (38.3)	101 (26.9)
Stable disease	126 (33.8)	174 (46.3)
Disease control rate	294 (78.8)	284 (75.5)
Progressive disease	43 (11.5)	59 (15.7)
Not evaluable/no assessment	36 (9.6)	33 (8.7)
Median DOR (range), mo	8.3 (1.2+ to 41.7+)	6.0 (1.5+ to 34.9+)
<b>≥ 24 months response duration, %</b>	<b>20.4</b>	<b>6.2</b>

# KEYNOTE-590: Adverse Events Summary

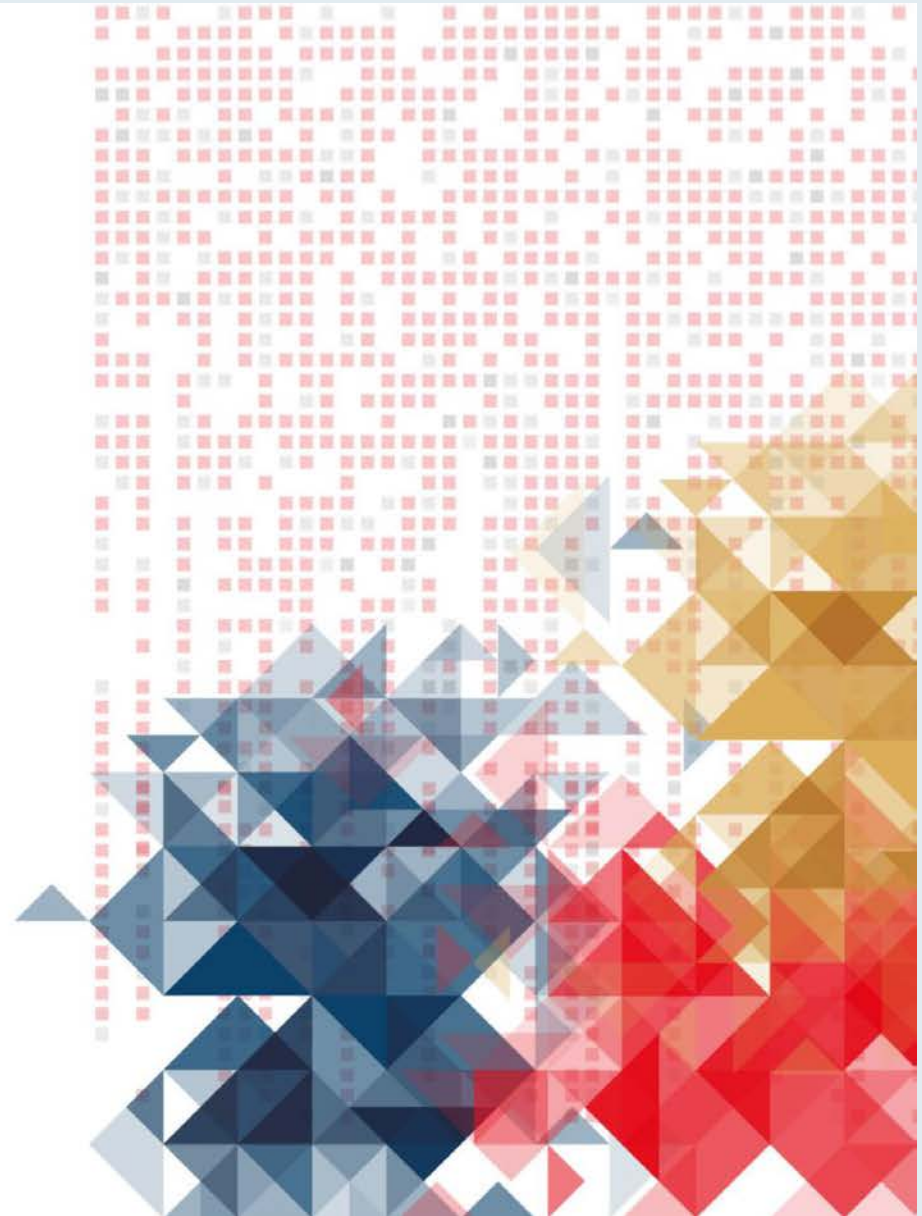
Events, n (%)	Pembro + Chemo N = 373	Chemo N = 376
Any	100%	99.5%
Treatment-related	98.4%	97.3%
Grade $\geq 3$	71.9%	67.6%
Led to discontinuation	21.1%	12.4%
Led to death	2.4%	1.4%
Immune-mediated AEs and infusion reactions	26.8%	13.8%
Grade $\geq 3$	7.0%	2.2%



## Sintilimab plus chemotherapy (chemo) versus chemo as the first-line treatment for advanced gastric or gastroesophageal junction (G/GEJ) adenocarcinoma (ORIENT-16)

**Jianming Xu\***, Haiping Jiang, Yueyin Pan, Kangsheng Gu, Sundong Cang, Lei Han, Yongqian Shu, Jiayi Li, Junhui Zhao, Hongming Pan, Suxia Luo, Yanru Qin, Qunyi Guo, Yuxian Bai, Yang Ling, Yingmei Guo, Ziran Li, Ying Liu, Yan Wang, Hui Zhou

\*, presenting author, MD, The Fifth Medical Center, Chinese PLA General Hospital

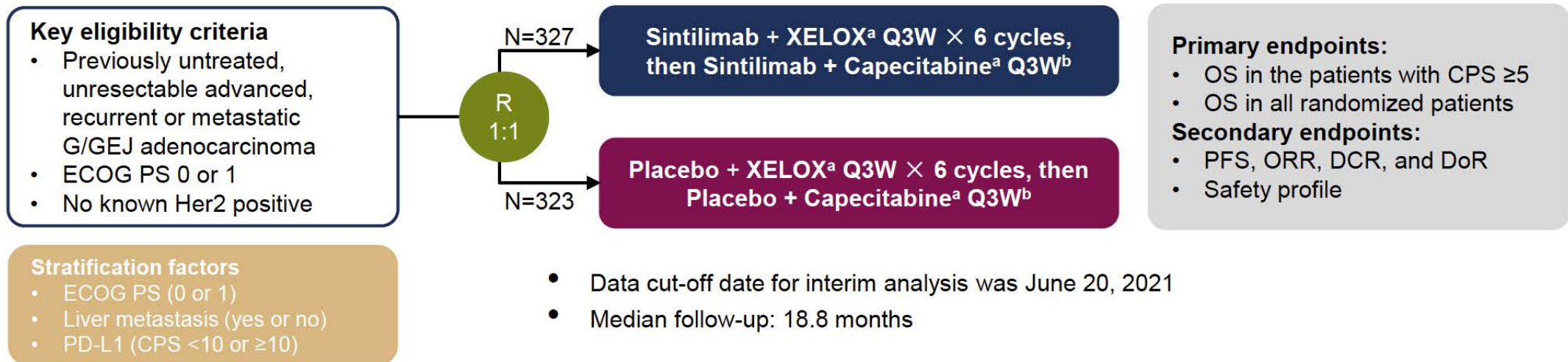


# ORIENT-16: Phase III Trial Design

Sintilimab is a recombinant fully humanized anti-PD-1 monoclonal antibody.

Previous study has shown encouraging anti-tumor activities of Sintilimab plus chemotherapy in 1L G/GEJ cancer.

ORIENT-16<sup>a</sup> is a randomized, double-blind, phase 3 study



## Statistical considerations

- Type I error is strictly controlled using fixed sequence test. OS in CPS≥5 and all randomized are tested hierarchically
- One interim analysis is planned, and O'Brien-Fleming is used for the alpha boundary (alpha=0.0148).

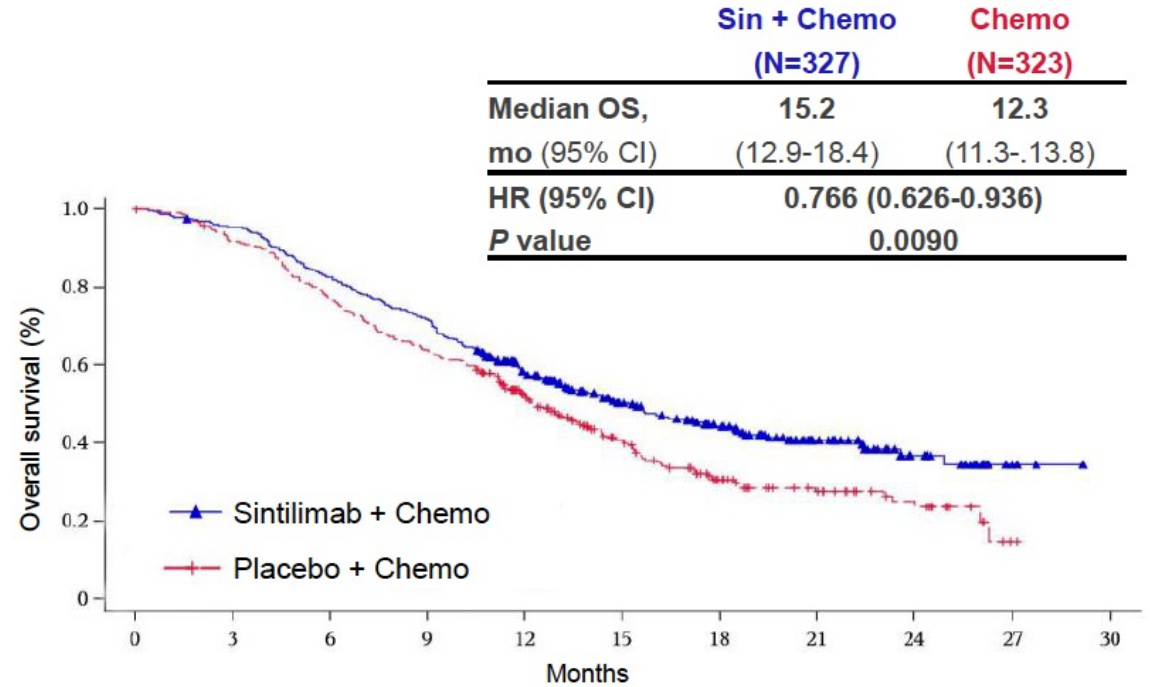
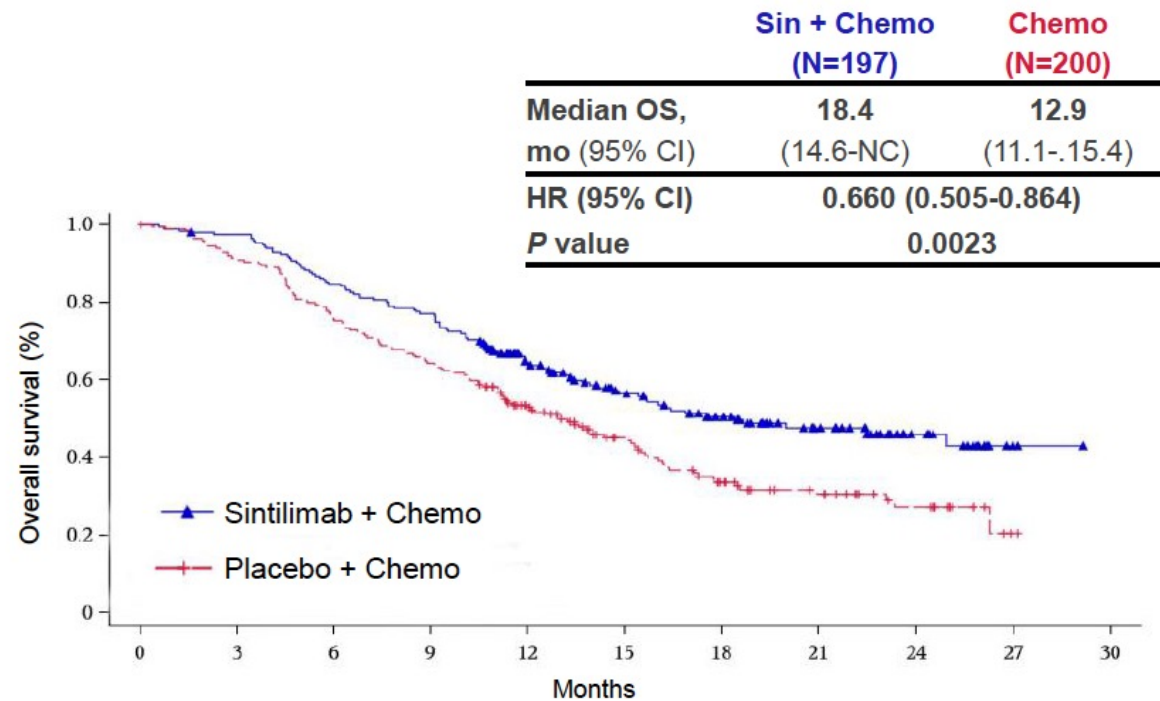
<sup>a</sup> ClinicalTrial.gov number, NCT03745170; <sup>b</sup> Sintilimab 3 mg/kg for body weight <60 kg, 200 mg for ≥60 kg; Oxaliplatin 130 mg/m<sup>2</sup> IV; Capecitabine 1000 mg/m<sup>2</sup> PO Bid d1-14;

<sup>c</sup> Until progressive disease, intolerable toxicity, withdrawal of consent. Treatment is given for a maximum of 2 years.

# ORIENT-16: Overall Survival (OS) with Sintilimab and Chemotherapy for Advanced Gastric or GEJ Adenocarcinoma

PD-L1 CPS  $\geq 5$

All patients



## Sintilimab plus chemotherapy versus chemotherapy as first-line therapy in patients with advanced or metastatic esophageal squamous cell cancer: First Results of the Phase 3 ORIENT-15 study

Lin Shen<sup>1</sup>, Zhihao Lu<sup>2</sup>, Junye Wang<sup>3</sup>, Yongqian Shu<sup>4</sup>, Li Kong<sup>5</sup>, Lei Yang<sup>6</sup>, Buhai Wang<sup>7</sup>, Zhiwu Wang<sup>8</sup>, Yinghua Ji<sup>9</sup>, Guochun Cao<sup>10</sup>, Hu Liu<sup>11</sup>, Tongjian Cui<sup>12</sup>, Na Li<sup>13</sup>, Wensheng Qiu<sup>14</sup>, Zhuo Ma<sup>15</sup>, Yuling Chen<sup>15</sup>, Haoyu Li<sup>15</sup>, Xing Sun<sup>15</sup>, Yan Wang<sup>15</sup>, Hui Zhou<sup>15</sup>

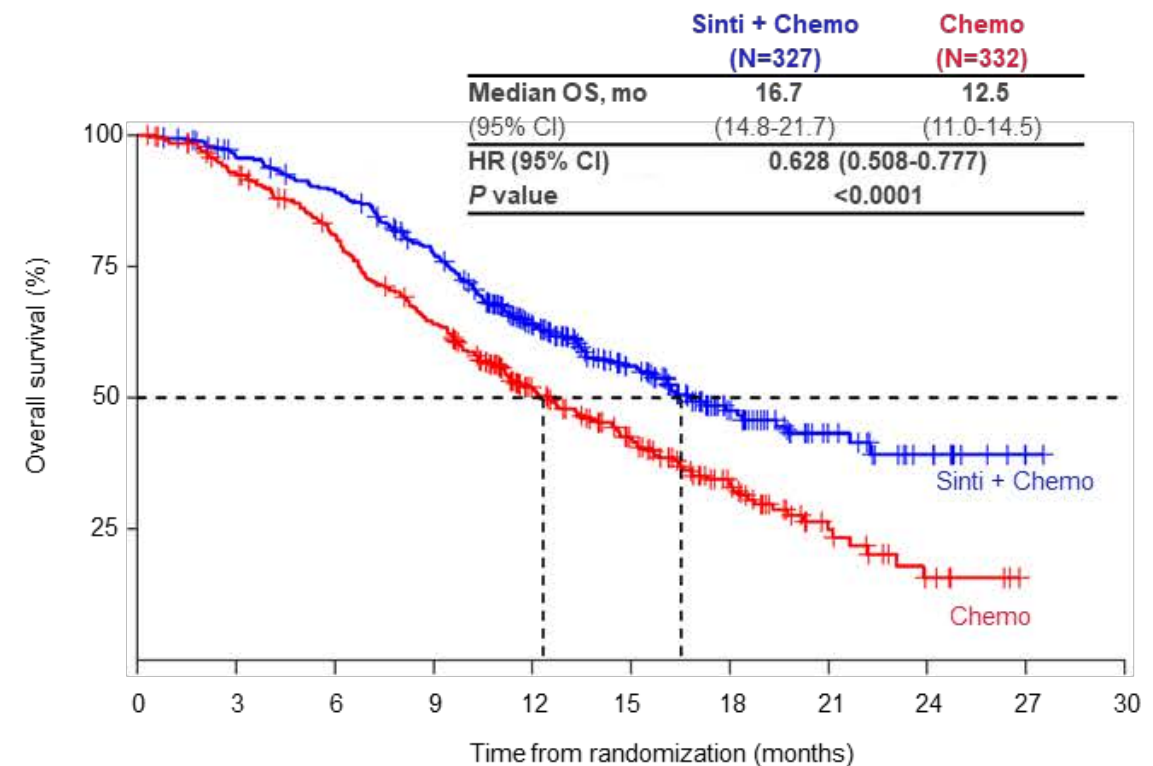
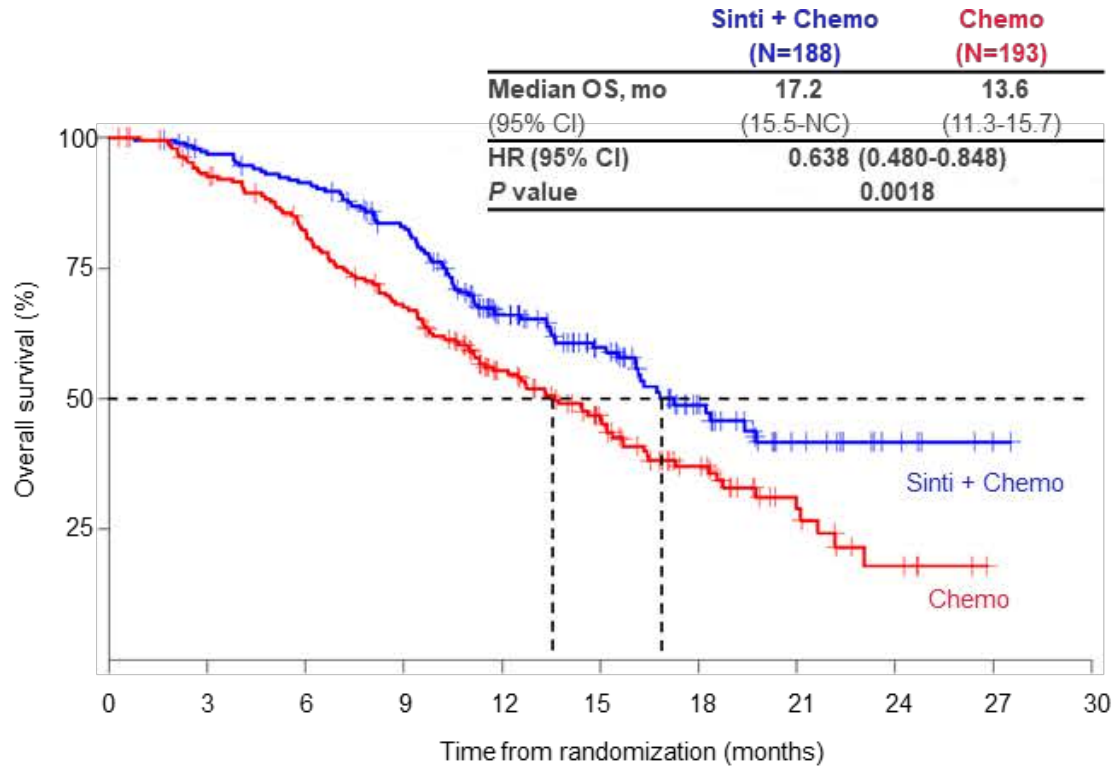
<sup>1</sup>Key Laboratory of Carcinogenesis and Translational Research (Ministry of Education), Peking University Cancer Hospital and Institute, Beijing, China, <sup>2</sup>Department of Gastrointestinal Oncology, Peking University Cancer Hospital & Institute, Beijing, China, <sup>3</sup>Department of Oncology, The Affiliated Hospital of Jining Medical College, Jining, China, <sup>4</sup>Department of Medical Oncology, The First Affiliated Hospital of Nanjing Medical University, Nanjing, China, <sup>5</sup>Special Needs Ward, Shandong Cancer Hospital and Institute, Shandong First Medical University and Shandong Academy of Medical Sciences, Jinan, China, <sup>6</sup>Department of Medical Oncology, Nantong Cancer Hospital, Nantong, China, <sup>7</sup>Department of Medical Oncology, Northern Jiangsu People's Hospital, Affiliated Hospital to Yangzhou University, Yangzhou, China, <sup>8</sup>Department of Radiotherapy and Chemotherapy, Tangshan People Hospital, Tangshan, China, <sup>9</sup>Department of Medical Oncology, The First Affiliated Hospital of Xinxiang Medical University, Xinxiang, China, <sup>10</sup>Department of Oncology, Jiangsu Cancer Hospital, Nanjing Medical University, Nanjing, China, <sup>11</sup>Department of Medical Oncology, Anhui provincial Cancer Hospital, University of Science and Technology of China, Hefei, China, <sup>12</sup>Department of Oncology, Fujian Provincial Hospital, Fuzhou, China, <sup>13</sup>Department of Medical Oncology, Suining Central Hospital, Suining, China, <sup>14</sup>Department of Medical Oncology, The Affiliated Hospital of Qingdao University, Qingdao, China, <sup>15</sup>Medical Oncology, Innovent Biologics, Inc., Suzhou, China, <sup>16</sup>Biostatistics, Innovent Biologics, Inc., Suzhou, China



# ORIENT-15: Overall Survival with Sintilimab and Chemotherapy for Advanced or Metastatic Esophageal Squamous Cell Carcinoma

PD-L1 CPS  $\geq 10$

All patients



No. at risk	0	3	6	9	12	15	18	21	24	27	30
Sinti + Chemo	188	178	167	146	96	65	33	14	6	1	0
Chemo	193	174	151	122	82	57	31	13	5	0	0

No. at risk	0	3	6	9	12	15	18	21	24	27	30
Sinti + Chemo	327	305	283	240	161	105	52	25	11	2	0
Chemo	332	300	258	202	127	88	45	17	6	0	0





**Cancer Cell** 2022;40(3):277-88.e3

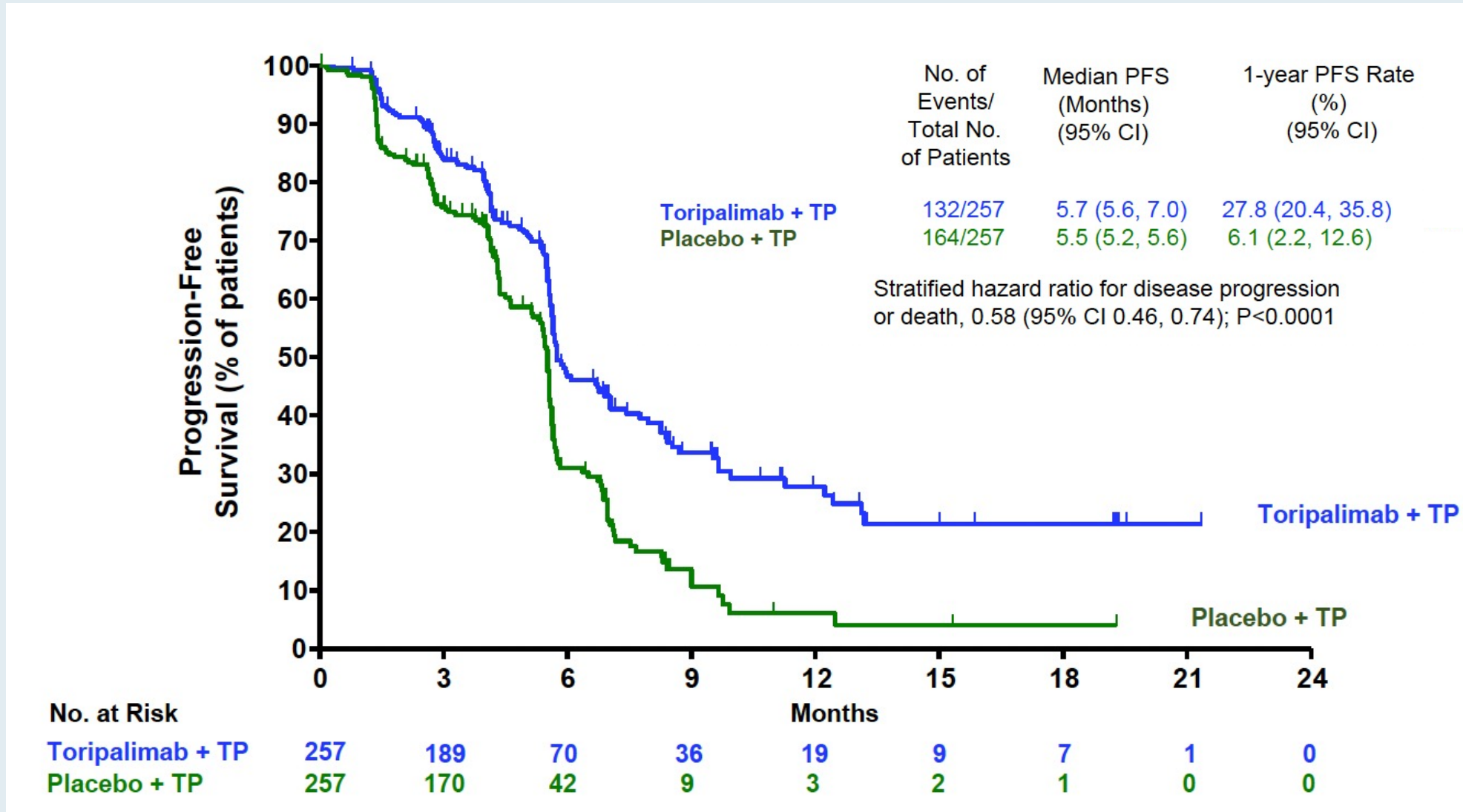
 CellPress

## Article

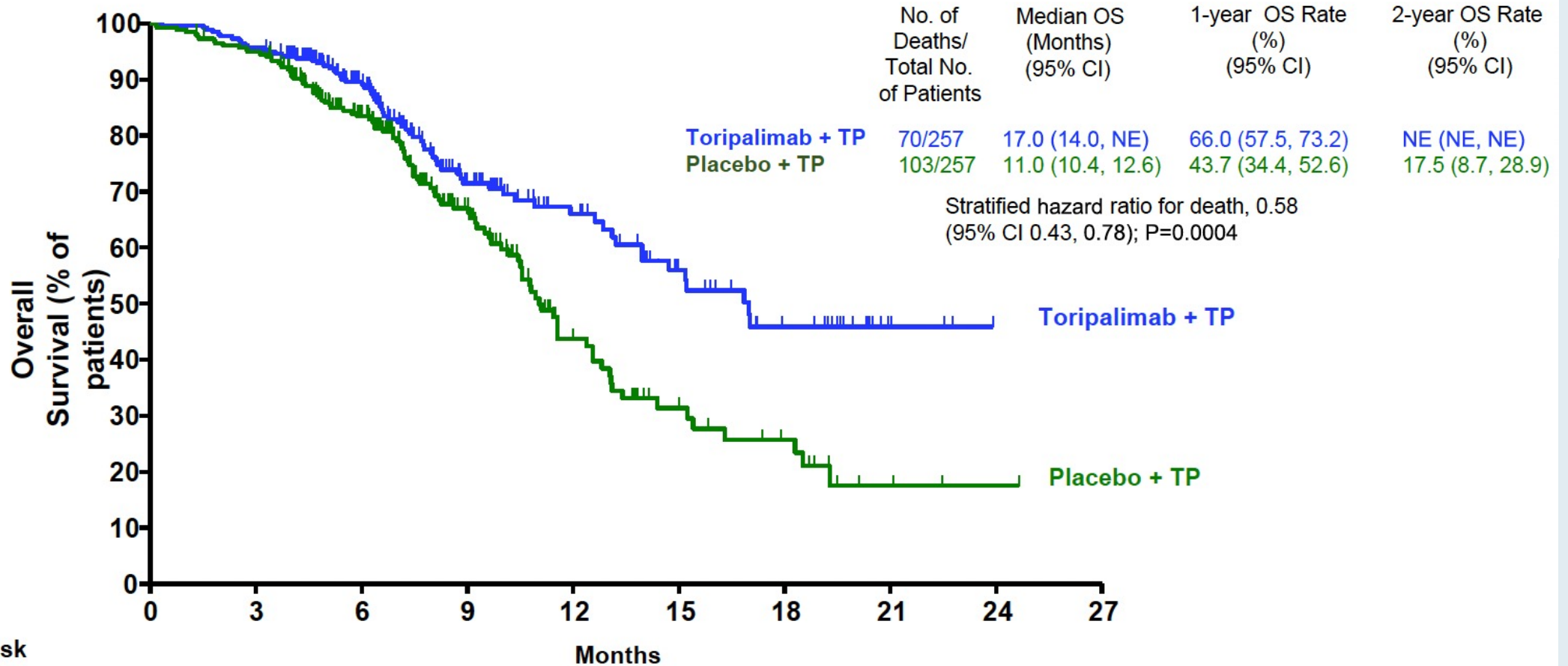
# Toripalimab plus chemotherapy in treatment-naïve, advanced esophageal squamous cell carcinoma (JUPITER-06): A multi-center phase 3 trial

Zi-Xian Wang,<sup>1,2,76</sup> Chengxu Cui,<sup>3,76</sup> Jun Yao,<sup>4,76</sup> Yanqiao Zhang,<sup>5,76</sup> Mengxia Li,<sup>6</sup> Jifeng Feng,<sup>7</sup> Shujun Yang,<sup>8</sup> Yun Fan,<sup>9</sup> Jianhua Shi,<sup>10</sup> Xizhi Zhang,<sup>11</sup> Lin Shen,<sup>12</sup> Yongqian Shu,<sup>13</sup> Cailian Wang,<sup>14</sup> Tianyang Dai,<sup>15</sup> Teng Mao,<sup>16</sup> Long Chen,<sup>17</sup> Zengqing Guo,<sup>18</sup> Bo Liu,<sup>19</sup> Hongming Pan,<sup>20</sup> Shundong Cang,<sup>21</sup> Yi Jiang,<sup>22</sup> Junye Wang,<sup>23</sup> Min Ye,<sup>24</sup> Zhendong Chen,<sup>25</sup> Da Jiang,<sup>26</sup> Qin Lin,<sup>27</sup> Wei Ren,<sup>28</sup> Junsheng Wang,<sup>29</sup> Lin Wu,<sup>30</sup> Yong Xu,<sup>31</sup> Zhanhui Miao,<sup>32</sup> Meili Sun,<sup>33</sup> Conghua Xie,<sup>34</sup> et al

# JUPITER-06: Progression-Free Survival (BICR, ITT Population)



# JUPITER-06: Overall Survival (ITT Population)



# JUPITER-06: Tumor Response

Variable	Toripalimab + TP (n = 257)	Placebo + TP (n = 257)
<b>Best overall response, no. (%)</b>		
Complete response	30 (11.7)	18 (7.0)
Partial response	148 (57.6)	116 (45.1)
Stable disease	51 (19.8)	77 (30.0)
Progressive disease	18 (7.0)	35 (13.6)
Non-CR/non-PD <sup>a</sup>	1 (0.4)	2 (0.8)
Not evaluable <sup>b</sup>	9 (3.5)	9 (3.5)
<b>Objective response rate (ORR)</b>		
ORR % (95% CI)	69.3 (63.2–74.8)	52.1 (45.8–58.4)
Difference in ORR % (95% CI)	17.2 (9.0–25.4)	
p value <sup>c</sup>	<0.0001	
<b>Disease control rate (DCR)</b>		
DCR % (95% CI)	89.1 (84.6–92.6)	82.1 (76.9–86.6)
Difference in DCR % (95% CI)	7.1 (1.1–13.1)	
p value <sup>c</sup>	0.0206	

# JUPITER-06: Select Treatment-Emergent Adverse Events (TEAEs)

Adverse event, no. of patients (%)	Toripalimab + TP (n = 257) no. (%)		Placebo + TP (n = 257) no. (%)	
	All grades	grade $\geq 3$	all grades	grade $\geq 3$
Any TEAE	255 (99.2)	188 (73.2)	255 (99.2)	180 (70.0)
Anemia	201 (78.2)	28 (10.9)	207 (80.5)	38 (14.8)
Leukopenia	174 (67.7)	52 (20.2)	138 (53.7)	34 (13.2)
Neutropenia	173 (67.3)	109 (42.4)	139 (54.1)	85 (33.1)
Nausea	111 (43.2)	0 (0)	118 (45.9)	5 (1.9)
Fatigue	110 (42.8)	11 (4.3)	101 (39.3)	5 (1.9)
Neuropathy peripheral	104 (40.5)	3 (1.2)	111 (43.2)	10 (3.9)
Vomiting	103 (40.1)	5 (1.9)	94 (36.6)	5 (1.9)
Decreased appetite	101 (39.3)	3 (1.2)	118 (45.9)	5 (1.9)

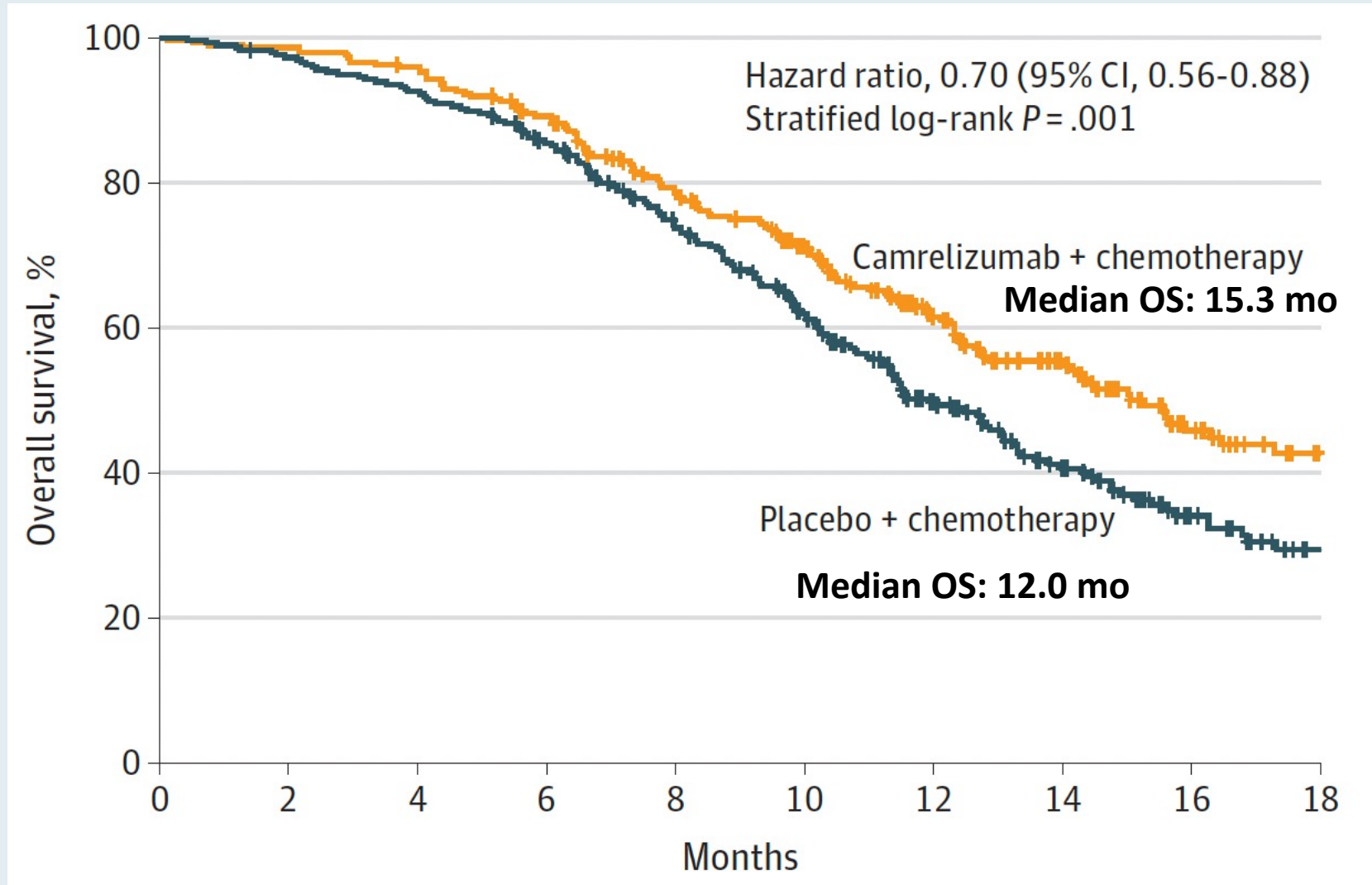
JAMA | **Original Investigation**

# Effect of Camrelizumab vs Placebo Added to Chemotherapy on Survival and Progression-Free Survival in Patients With Advanced or Metastatic Esophageal Squamous Cell Carcinoma

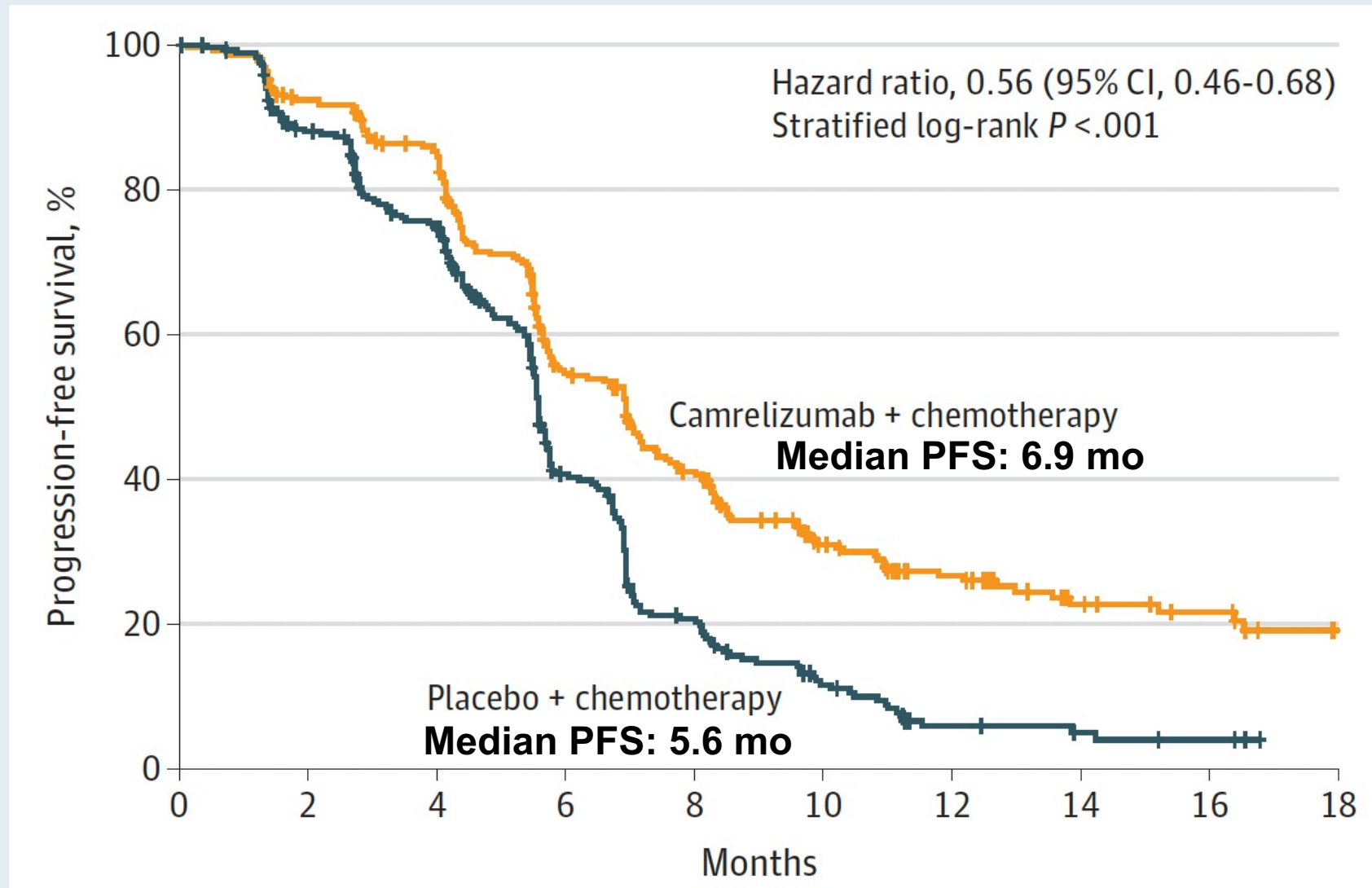
## The ESCORT-1st Randomized Clinical Trial

Huiyan Luo, MD, PhD; Jin Lu, BS; Yuxian Bai, MD; Teng Mao, MM; Jun Wang, MD; Qingxia Fan, BS; Yiping Zhang, MB; Kuaile Zhao, MD; Zhendong Chen, MB; Shegan Gao, MD; Jiancheng Li, MD; Zhichao Fu, MD; Kangsheng Gu, MD; Zhihua Liu, MD; Lin Wu, MD; Xiaodong Zhang, MD; Jifeng Feng, PhD; Zuoxing Niu, MM; Yi Ba, MD; Helong Zhang, MD; Ying Liu, MD; Li Zhang, MB; Xuhong Min, BS; Jing Huang, MD; Ying Cheng, MD; Dong Wang, MD; Yu Shen, PhD; Qing Yang, MD; Jianjun Zou, MD; Rui-Hua Xu, MD, PhD; for the ESCORT-1st Investigators

# ESCORT-1st: Overall Survival (Coprimary Endpoint)



# ESCORT-1st: Progression-Free Survival (Coprimary Endpoint)





## ESCOR-1st: Select Adverse Events

	No. (%) of patients			
	Camrelizumab + chemotherapy (n = 298)		Placebo + chemotherapy (n = 297)	
	Any grade <sup>a</sup>	≥Grade 3	Any grade	≥Grade 3
Treatment-related adverse events <sup>b</sup>	296 (99.3) <sup>c</sup>	189 (63.4)	288 (97.0)	201 (67.7)
Reactive cutaneous capillary endothelial proliferation	238 (79.9)	3 (1.0)	32 (10.8)	0
Anemia	229 (76.8)	52 (17.4)	217 (73.1)	40 (13.5)
White blood cell count decreased	202 (67.8)	72 (24.2)	194 (65.3)	79 (26.6)
Neutrophil count decreased	201 (67.4)	119 (39.9)	186 (62.6)	129 (43.4)
Nausea	150 (50.3)	4 (1.3)	154 (51.9)	5 (1.7)
Asthenia	141 (47.3)	6 (2.0)	129 (43.4)	8 (2.7)
Alopecia	135 (45.3)	1 (0.3)	147 (49.5)	0
Decreased appetite	129 (43.3)	2 (0.7)	134 (45.1)	5 (1.7)
Vomiting	117 (39.3)	10 (3.4)	106 (35.7)	6 (2.0)
Platelet count decreased	77 (25.8)	8 (2.7)	73 (24.6)	6 (2.0)

## ESCOR-1st: Immune-Related Adverse Events

	No. (%) of patients			
	Camrelizumab + chemotherapy (n = 298)		Placebo + chemotherapy (n = 297)	
	Any grade <sup>a</sup>	≥Grade 3	Any grade	≥Grade 3
Immune-related adverse events <sup>d</sup>	252 (84.6)		98 (33.0)	
Reactive capillary endothelial proliferation	238 (79.9)		32 (10.8)	
Hypothyroidism	34 (11.4)		13 (4.4)	
Pruritus	20 (6.7)		7 (2.4)	
Hyperthyroidism	16 (5.4)		3 (1.0)	
Rash	16 (5.4)		6 (2.0)	
Pneumonitis	15 (5.0)		9 (3.0)	
Blood thyroid stimulating hormone decreased	10 (3.4)		1 (0.3)	

***Lancet 2014;383(9911):31-9.***

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**Ramucirumab monotherapy for previously treated advanced gastric or gastro-oesophageal junction adenocarcinoma (REGARD): an international, randomised, multicentre, placebo-controlled, phase 3 trial**



*Charles S Fuchs, Jiri Tomasek, Cho Jae Yong, Filip Dumitru, Rodolfo Passalacqua, Chanchal Goswami, Howard Safran, Lucas Vieira dos Santos, Giuseppe Aprile, David R Ferry, Bohuslav Melichar, Mustapha Tehfe, Eldar Topuzov, John Raymond Zalcborg, Ian Chau, William Campbell, Choondal Sivanandan, Joanna Pikiel, Minoru Koshiji, Yanzhi Hsu, Astra M Liepa, Ling Gao, Jonathan D Schwartz, Josep Tabernero, for the REGARD Trial Investigators\**

***Lancet Oncol 2014;15(11):1224-35.***

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**Ramucirumab plus paclitaxel versus placebo plus paclitaxel in patients with previously treated advanced gastric or gastro-oesophageal junction adenocarcinoma (RAINBOW): a double-blind, randomised phase 3 trial**

*Hansjochen Wilke, Kei Muro, Eric Van Cutsem, Sang-Cheul Oh, György Bodoky, Yasuhiro Shimada, Shuichi Hironaka, Naotoshi Sugimoto, Oleg Lipatov, Tae-You Kim, David Cunningham, Philippe Rougier, Yoshito Komatsu, Jaffer Ajani, Michael Emig, Roberto Carlesi, David Ferry†, Kumari Chandrawansa, Jonathan D Schwartz, Atsushi Ohtsu, for the RAINBOW Study Group\**

# Pivotal Phase III Studies of Ramucirumab for Advanced Gastric or GEJ Adenocarcinoma

Study	N	Setting	Treatment	Median OS	Hazard ratio (p-value)
REGARD	355	PD after first-line therapy	Ramucirumab Placebo	5.2 mo 3.8 mo	HR: 0.776 (p = 0.047)
RAINBOW	665	PD after first-line therapy	Ramucirumab/paclitaxel Placebo/paclitaxel	9.6 mo 7.4 mo	HR: 0.807 (p = 0.017)



ELSEVIER

Available online at [www.sciencedirect.com](http://www.sciencedirect.com)

ScienceDirect

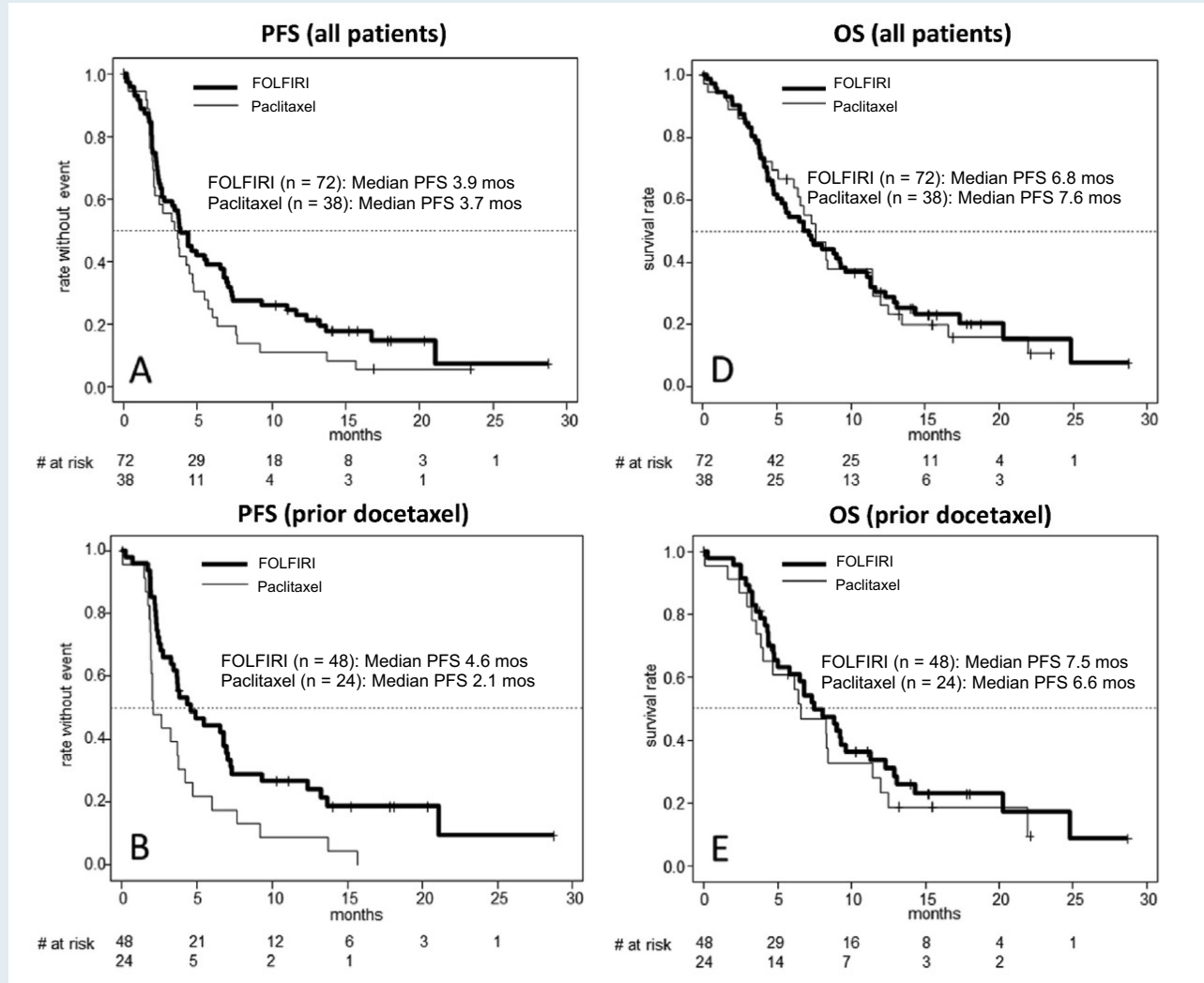
journal homepage: [www.ejancer.com](http://www.ejancer.com)

Original Research

## FOLFIRI plus ramucirumab versus paclitaxel plus ramucirumab as second-line therapy for patients with advanced or metastatic gastroesophageal adenocarcinoma with or without prior docetaxel – results from the phase II RAMIRIS Study of the German Gastric Cancer Study Group at AIO

Sylvie Lorenzen <sup>a,\*</sup>, Peter Thuss-Patience <sup>b</sup>, Claudia Pauligk <sup>c</sup>,  
Eray Gökkurt <sup>d</sup>, Thomas Ettrich <sup>e</sup>, Florian Lordick <sup>f</sup>, Michael Stahl <sup>g</sup>,  
Peter Reichardt <sup>h</sup>, Martin Sökler <sup>i</sup>, Daniel Pink <sup>j,k</sup>, Stefan Probst <sup>l</sup>,  
Axel Hinke <sup>m</sup>, Thorsten O. Goetze <sup>c,n,1</sup>, Salah E. Al-Batran <sup>c,n,1</sup>

# Phase II RAMIRIS Trial of Second-Line Ramucirumab with FOLFIRI: Patients with Advanced or Metastatic Gastroesophageal Adenocarcinoma with or without Prior Docetaxel



***Lancet Oncol 2018;19(11):1437-48.***

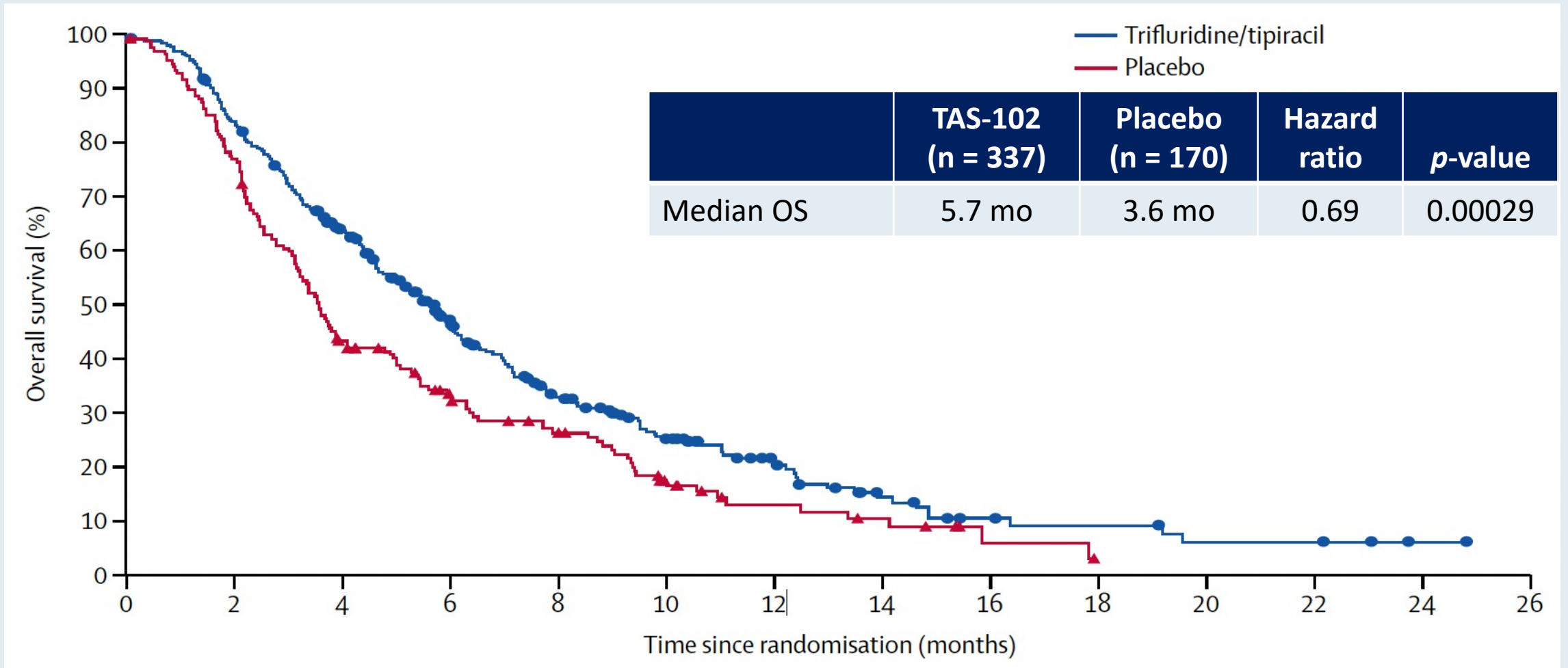
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**Trifluridine/tipiracil versus placebo in patients with heavily pretreated metastatic gastric cancer (TAGS): a randomised, double-blind, placebo-controlled, phase 3 trial**



*Kohei Shitara, Toshihiko Doi, Mikhail Dvorkin, Wasat Mansoor, Hendrik-Tobias Arkenau, Aliaksandr Prokharau, Maria Alsina, Michele Ghidini, Catia Faustino, Vera Gorbunova, Edvard Zhavrid, Kazuhiro Nishikawa, Ayumu Hosokawa, Şuayib Yalçın, Kazumasa Fujitani, Giordano D Beretta, Eric Van Cutsem, Robert E Winkler, Lukas Makris, David H Ilson, Josep Tabernero*

# TAGS: Overall Survival (Intent-to-Treat Population)





# Phase III RATIONALE 306 Trial of First-Line Tislelizumab with Chemotherapy for Advanced Esophageal Cancer Meets Its Primary Overall Survival Endpoint

Press Release – April 27, 2022

"[Positive topline results were announced] from an interim analysis of the Phase III RATIONALE 306 study, which showed anti-PD-1 immune checkpoint inhibitor tislelizumab plus chemotherapy significantly improved overall survival (OS) compared to chemotherapy in patients with previously untreated unresectable, locally advanced, recurrent or metastatic esophageal squamous cell carcinoma (ESCC), regardless of PD-L1 expression. These data will be submitted to regulatory authorities, and will be presented at an upcoming medical meeting.

RATIONALE 306 (NCT03783442) is a multi-regional Phase III, randomized, placebo-controlled, double-blind study of tislelizumab in combination with chemotherapy versus chemotherapy alone in patients with unresectable, locally advanced recurrent or metastatic ESCC. Approximately 649 study participants were randomized 1:1 to receive either tislelizumab plus chemotherapy or chemotherapy alone. The primary endpoint is OS. Secondary endpoints include progression-free survival, objective response rate, duration of response, health-related quality of life measures and safety."

# **RATIONALE-306: Randomized, Global, Phase 3 Study of Tislelizumab plus Chemotherapy versus Chemotherapy as First-Line Treatment for Locally Advanced Unresectable or Metastatic Esophageal Squamous Cell Carcinoma (ESCC)**

Yoon H et al.

ESMO World Congress on Gastrointestinal Cancer 2022;Abstract LBA-1.

Regulatory and reimbursement issues aside, which first-line therapy would you most likely recommend for a 65-year-old patient presenting with metastatic HER2-negative, MSS squamous cell carcinoma of the esophagus with a PD-L1 CPS of 0?

 Dr Enzinger	FOLFOX	 Dr Shah	FOLFOX
 Dr Janjigian	FOLFOX + nivolumab	 Dr Strickler	FOLFOX
 Dr Klempner	FOLFOX	 Dr Yoon	FOLFOX

Regulatory and reimbursement issues aside, which first-line therapy would you most likely recommend for a 65-year-old patient presenting with metastatic HER2-negative, MSS squamous cell carcinoma of the esophagus with a PD-L1 CPS of 1?

 Dr Enzinger	FOLFOX	 Dr Shah	FOLFOX
 Dr Janjigian	FOLFOX + nivolumab	 Dr Strickler	FOLFOX
 Dr Klempner	FOLFOX + nivolumab	 Dr Yoon	FOLFOX

Regulatory and reimbursement issues aside, which first-line therapy would you most likely recommend for a 65-year-old patient presenting with metastatic HER2-negative, MSS squamous cell carcinoma of the esophagus with a PD-L1 CPS of 5?

 <b>Dr Enzinger</b>	<b>FOLFOX + nivolumab</b>	 <b>Dr Shah</b>	<b>FOLFOX</b>
 <b>Dr Janjigian</b>	<b>FOLFOX + nivolumab</b>	 <b>Dr Strickler</b>	<b>FOLFOX + pembrolizumab</b>
 <b>Dr Klempner</b>	<b>FOLFOX + nivolumab</b>	 <b>Dr Yoon</b>	<b>FOLFOX</b>

Regulatory and reimbursement issues aside, which first-line therapy would you most likely recommend for a 65-year-old patient presenting with metastatic HER2-negative, MSS squamous cell carcinoma of the esophagus with a PD-L1 CPS of 10?



Dr Enzinger

FOLFOX + nivolumab



Dr Shah

FOLFOX + pembrolizumab



Dr Janjigian

FOLFOX + nivolumab



Dr Strickler

FOLFOX + pembrolizumab



Dr Klempner

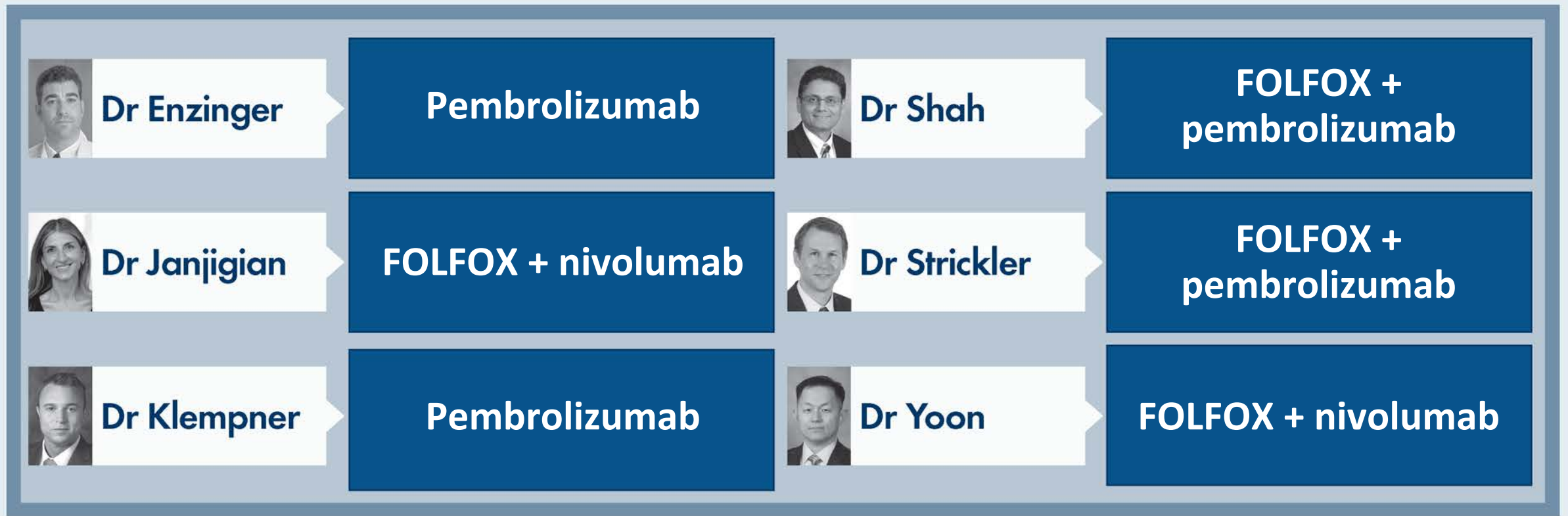
FOLFOX + nivolumab



Dr Yoon

FOLFOX + nivolumab

Regulatory and reimbursement issues aside, which first-line therapy would you most likely recommend for a 65-year-old patient presenting with metastatic HER2-negative, MSI-high squamous cell carcinoma of the esophagus?



# HER2-Positive Gastroesophageal Cancers



## Recent FDA Approvals in HER2-Positive Gastric, GEJ and Esophageal Cancer

Regimen/FDA approval date/Pivotal trial	Location	Histology	Setting	PD-L1
Pembrolizumab + trastuzumab + chemotherapy 5/5/2021 (KN-811)	Gastric, GEJ	Adenocarcinoma	<ul style="list-style-type: none"> <li>First-line treatment for locally advanced, unresectable or metastatic HER2-positive gastric or GEJ adenocarcinoma</li> </ul>	Not required
Trastuzumab deruxtecan 1/15/2021 (DESTINY-Gastric01)	Gastric, GEJ	Adenocarcinoma	<ul style="list-style-type: none"> <li>Patients who have received a prior trastuzumab-based regimen</li> </ul>	Not required

*Nature* 2021;600(7890):727-30.

**Article**

# The KEYNOTE-811 trial of dual PD-1 and HER2 blockade in HER2-positive gastric cancer

<https://doi.org/10.1038/s41586-021-04161-3>

Received: 25 May 2021

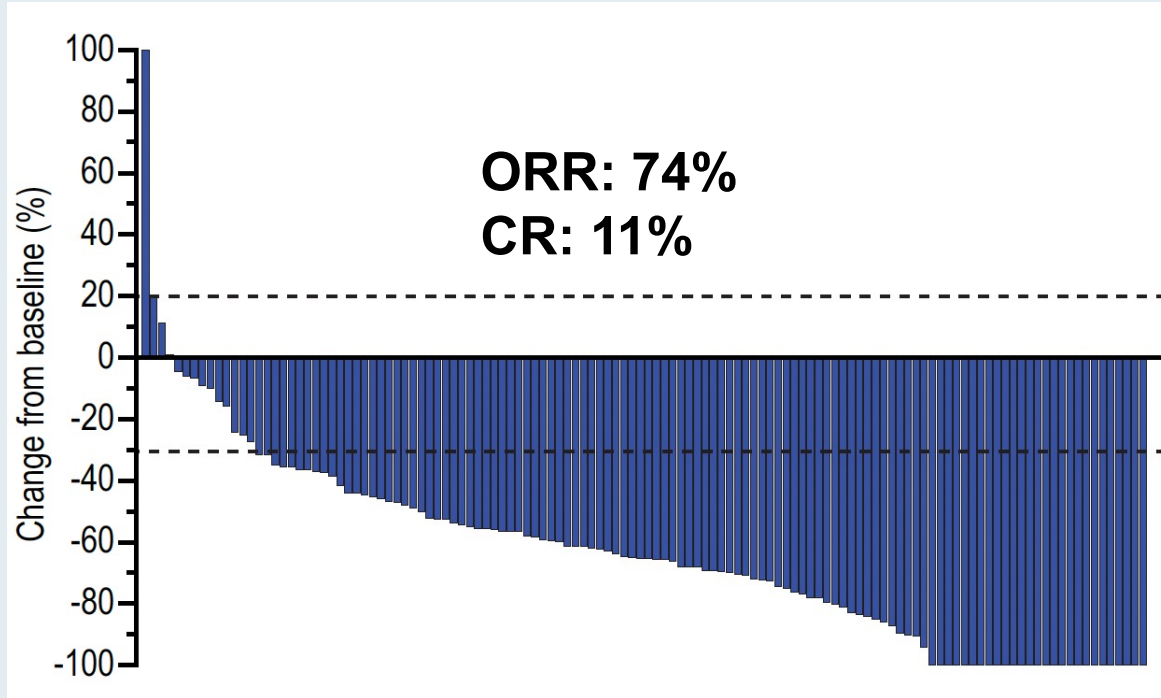
Accepted: 30 September 2021

Published online: 15 December 2021

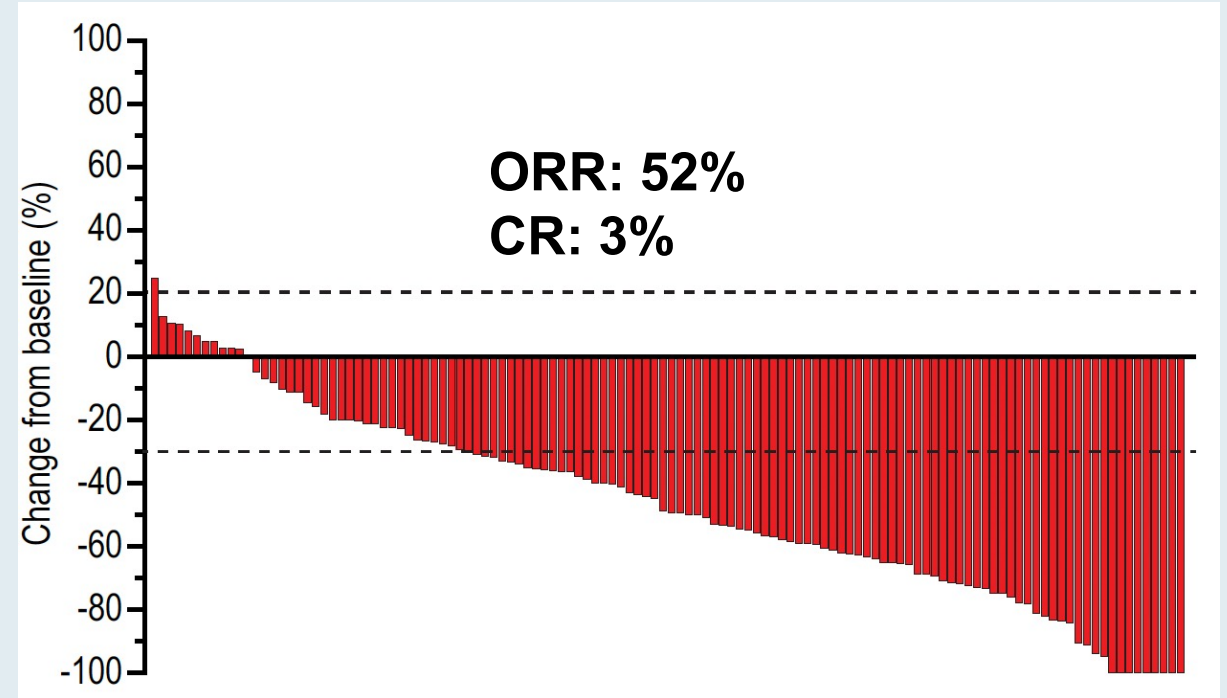
Yelena Y. Janjigian<sup>1</sup>✉, Akihito Kawazoe<sup>2</sup>, Patricio Yañez<sup>3</sup>, Ning Li<sup>4</sup>, Sara Lonardi<sup>5</sup>, Oleksii Kolesnik<sup>6</sup>, Olga Barajas<sup>7</sup>, Yuxian Bai<sup>8</sup>, Lin Shen<sup>9</sup>, Yong Tang<sup>10</sup>, Lucjan S. Wyrwicz<sup>11</sup>, Jianming Xu<sup>12</sup>, Kohei Shitara<sup>2</sup>, Shukui Qin<sup>13</sup>, Eric Van Cutsem<sup>14</sup>, Josep Tabernero<sup>15</sup>, Lie Li<sup>16</sup>, Sukrut Shah<sup>16</sup>, Pooja Bhagia<sup>16</sup> & Hyun Cheol Chung<sup>17</sup>

# KEYNOTE-811: Overall Response Rate (ORR)

## Pembrolizumab



## Placebo



## KEYNOTE-811: Summary of Adverse Events

Number of events (%)	Any cause		Immune-mediated events and infusion reactions <sup>a</sup>	
	Pembrolizumab group (n = 217)	Placebo group (n = 216)	Pembrolizumab group (n = 217)	Placebo group (n = 216)
Any grade	211 (97.2)	212 (98.1)	73 (33.6)	45 (20.8)
Grade 3–5	124 (57.1)	124 (57.4)	21 (9.7)	7 (3.2)
Serious	68 (31.3)	83 (38.4)	19 (8.8)	7 (3.2)
Led to death	7 (3.2)	10 (4.6)	3 (1.4)	1 (0.5)
Led to discontinuation of any drug	53 (24.4)	56 (25.9)	12 (5.5)	5 (2.3)
Pembrolizumab or placebo	12 (5.5)	15 (6.9)	7 (3.2)	2 (0.9)
Trastuzumab	12 (5.5)	16 (7.4)	7 (3.2)	2 (0.9)
Any chemotherapy	50 (23.0)	52 (24.1)	12 (5.5)	5 (2.3)
All drugs	8 (3.7)	12 (5.6)	6 (2.8)	2 (0.9)

The treatment regimen included trastuzumab and chemotherapy in both groups.

<sup>a</sup>Events with a possible immune-mediated cause and infusion reactions were considered regardless of attribution to study treatment or immune relatedness by the investigator and are based on a list of terms provided by the sponsor.

ASCO<sup>®</sup> Gastrointestinal **2022**  
Cancers Symposium

# Trastuzumab Deruxtecan (T-DXd; DS-8201) in Patients With HER2-Positive Advanced Gastric or Gastroesophageal Junction (GEJ) Adenocarcinoma: Final Overall Survival (OS) Results From a Randomized, Multicenter, Open-Label, Phase 2 Study (DESTINY-Gastric01)

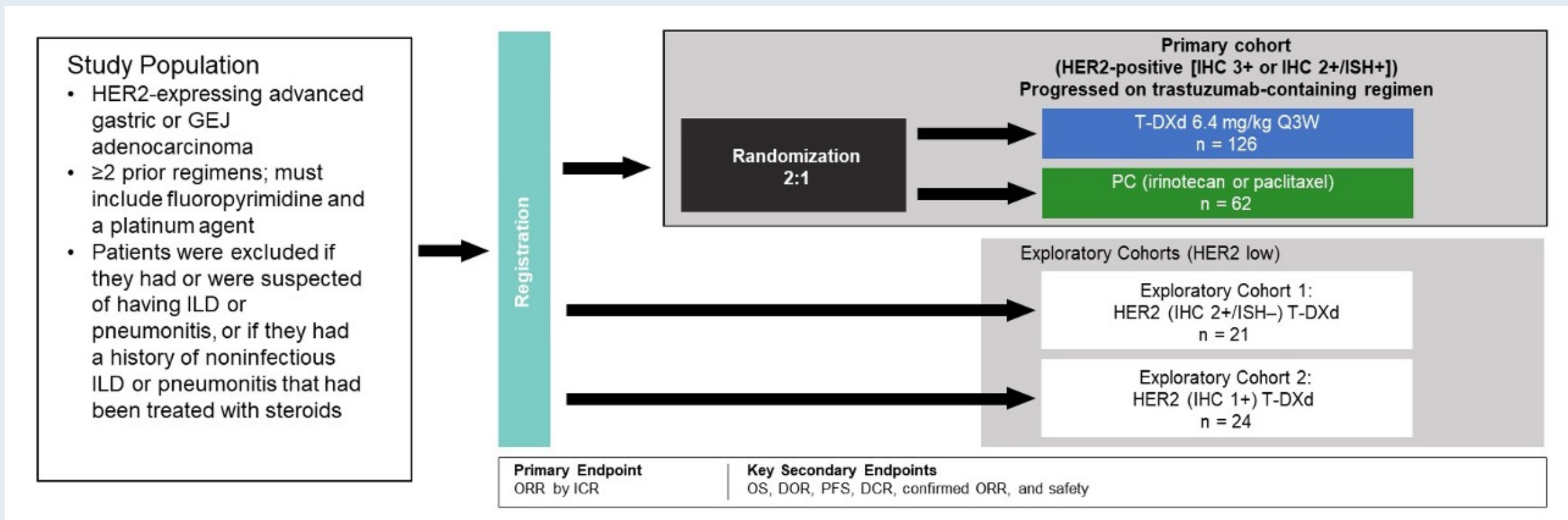
Kensei Yamaguchi

The Cancer Institute Hospital of JFCR, Tokyo, Japan

ON BEHALF OF THE DESTINY-GASTRIC01 INVESTIGATORS

*Additional authors:* Yung-Jue Bang, Satoru Iwasa, Naotoshi Sugimoto, Min-Hee Ryu, Daisuke Sakai, Hyun Cheol Chung, Hisato Kawakami, Hiroshi Yabusaki, Jeeyun Lee, Kaku Saito, Yoshinori Kawaguchi, Takahiro Kamio, Akihito Kojima, Masahiro Sugihara, Kohei Shitara

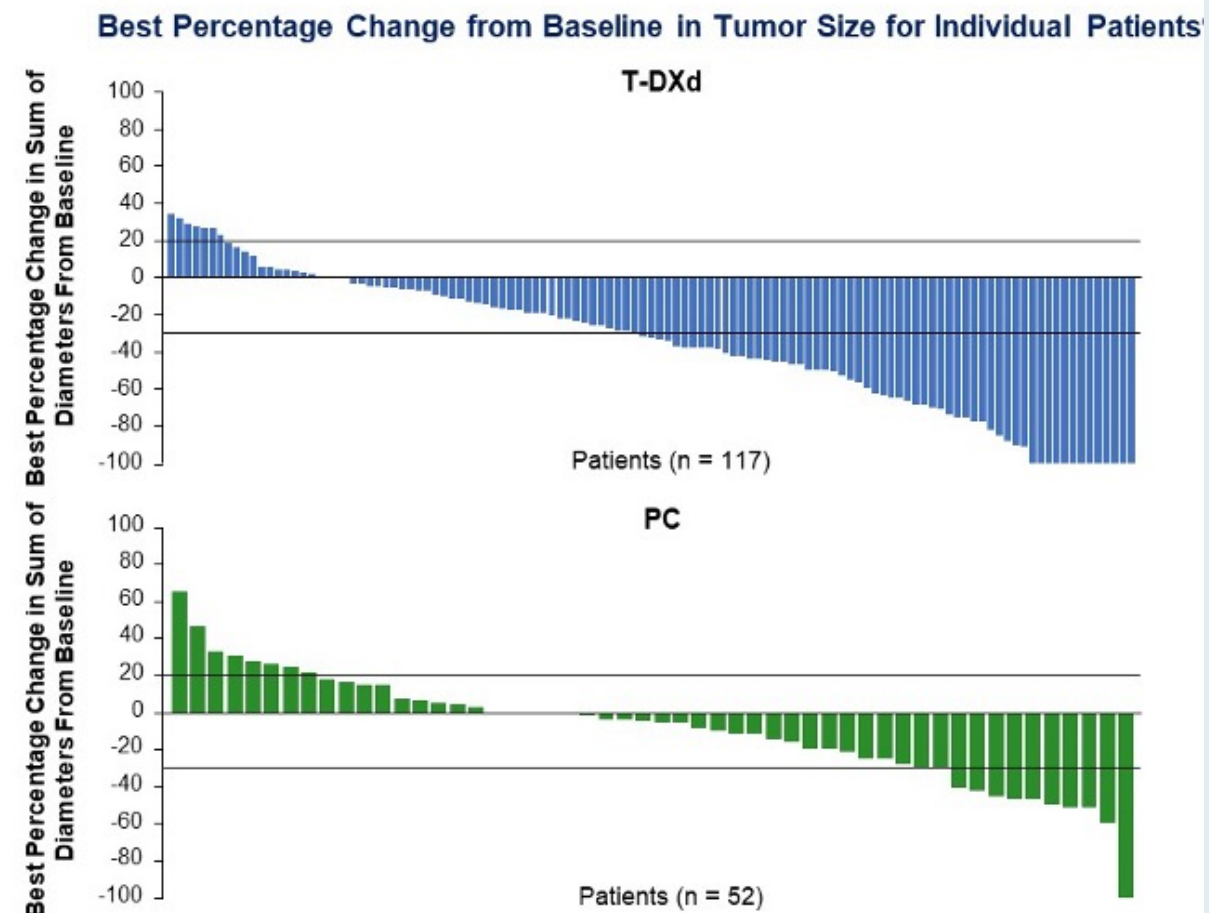
# DESTINY-Gastric01 Randomized, Phase II Study Design



PC = physician's choice

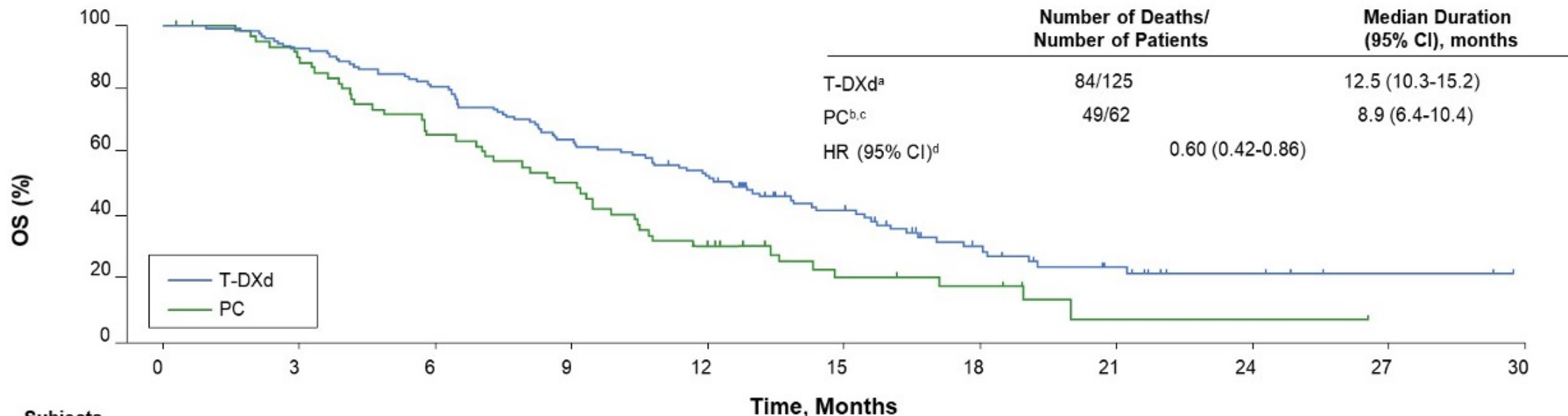
# DESTINY-Gastric01: Antitumor Activity

	T-DXd n = 119	PC Overall n = 56
<b>ORR (CR + PR) by ICR, n (%)<sup>a</sup></b>	<b>61 (51.3)</b>	<b>8 (14.3)</b>
	<b>95% CI, 41.9-60.5</b>	<b>95% CI, 6.4-26.2</b>
	<i>P</i> < 0.0001 <sup>b</sup>	
CR	11 (9.2)	0
PR	50 (42.0)	8 (14.3)
SD	42 (35.3)	27 (48.2)
PD	14 (11.8)	17 (30.4)
Not evaluable	2 (1.7)	4 (7.1)
<b>Confirmed ORR (CR + PR) by ICR, n (%)<sup>a</sup></b>	<b>50 (42.0)</b>	<b>7 (12.5)</b>
	<b>95% CI, 33.0-51.4</b>	<b>95% CI, 5.2-24.1</b>
CR	10 (8.4)	0
PR	40 <sup>c</sup> (33.6)	7 (12.5)
SD	52 (43.7)	28 (50.0)
PD	14 (11.8)	17 (30.4)
Not evaluable	3 (2.5)	4 (7.1)
<b>Confirmed DCR (CR + PR + SD), n (%)<sup>a</sup></b>	<b>102 (85.7)</b>	<b>35 (62.5)</b>
	<b>95% CI, 78.1-91.5</b>	<b>95% CI, 48.5-75.1</b>
<b>Confirmed DOR, median, months</b>	<b>12.5</b>	<b>3.9</b>
	<b>95% CI, 5.6-NE</b>	<b>95% CI, 3.0-4.9</b>
<b>TTR, median, months</b>	<b>1.5</b>	<b>1.6</b>
	<b>95% CI, 1.4-1.7</b>	<b>95% CI, 1.3-1.7</b>



# DESTINY-Gastric01: Final Overall Survival (OS)

**Kaplan-Meier Analysis of OS**



Subjects  
at risk, n

T-DXd	125	115	100	79	62	36	19	11	5	2	0
PC	62	54	39	30	17	8	6	1	1	0	0

As in the primary analysis (101 OS events; 54.0% maturity), in this updated analysis (133 OS events; 71.1% maturity), T-DXd showed superior antitumor activity compared to PC



## DESTINY-Gastric01: Select Adverse Events

Adverse event	T-DXd (n = 125)		PC overall (n = 62)	
	Any grade	Grade ≥3	Any grade	Grade ≥3
Neutrophil count decrease	65%	51%	36%	24%
Nausea	63%	6%	47%	2%
Decreased appetite	61%	17%	45%	13%
Anemia	58%	38%	31%	23%
Platelet count decrease	40%	11%	7%	3%
WBC count decrease	38%	21%	36%	11%
Lymphocyte count decrease	23%	12%	3%	2%

16 patients (13%) had T-DXd-related interstitial lung disease/pneumonitis

- 13/16 were Grade 1 or 2
- Median time to first onset: 102.5 days

# DESTINY-Gastric01: Exploratory Biomarker Analysis of OS in HER2-Positive or HER2-Low Advanced Gastric or GEJ Cancer

Exploratory biomarker in primary HER2-positive cohort	Median OS
Plasma HER2 amplification	
Not amplified	12.1 mo
Amplified	13.0 mo
Plasma HER2 copy number*	
Above 6.0	21.2 mo
Below 6.0	12.0 mo
Exploratory biomarker in exploratory HER2-low cohort	
Plasma HER2 extracellular domain†	
Above 11.6 ng/mL	10.1 mo
Below 11.6 ng/mL	4.3 mo

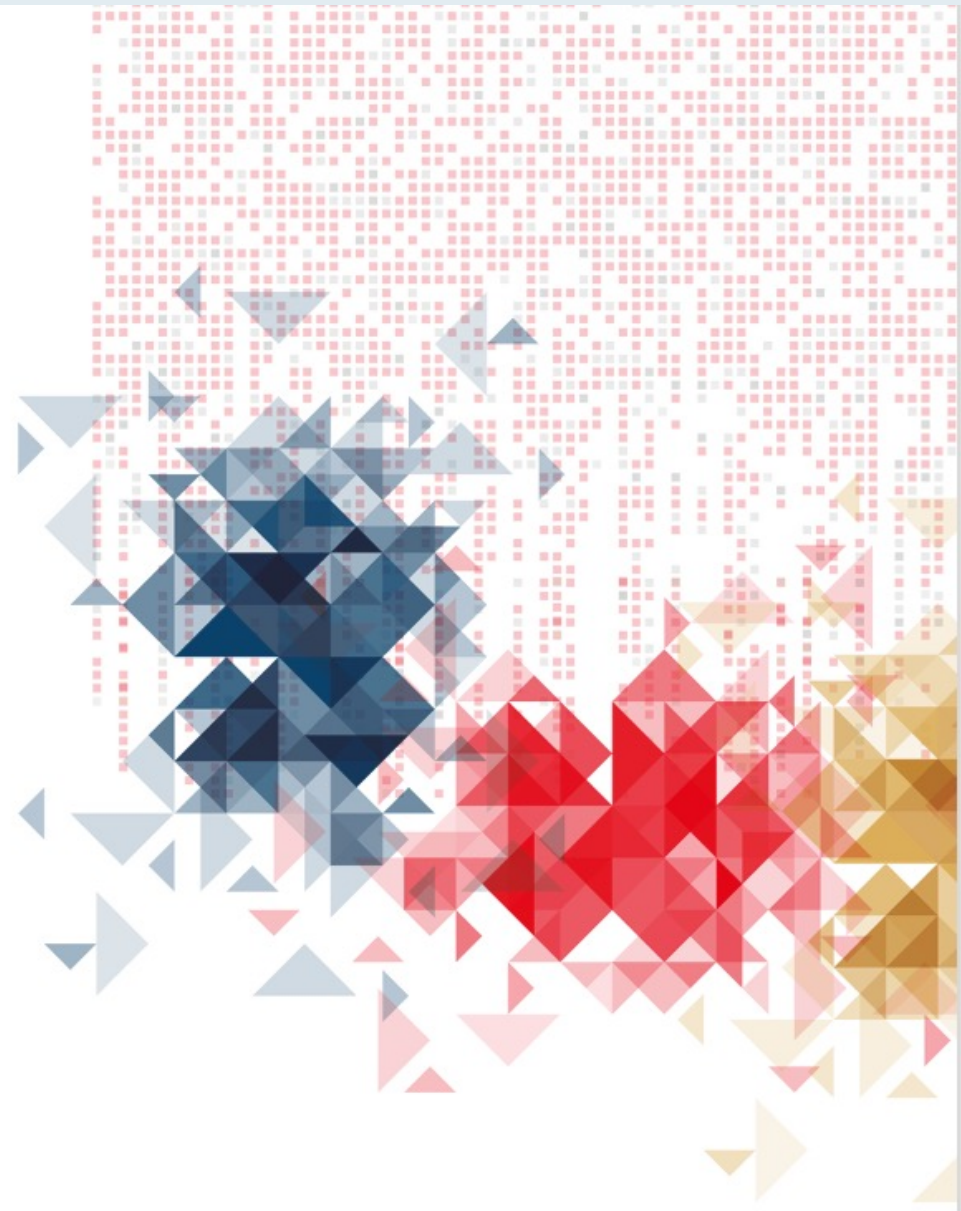
\*An exploratory cutoff (copy number = 6.0) value was determined, which minimized *p*-value, estimated by log-rank test. Below 6.0 includes patients without amplification; † An exploratory cutoff value of 11.6 ng/mL in exploratory cohorts was determined, which minimized *p*-value, estimated by log-rank test.

## Primary Analysis of a Phase 2 Single-Arm Trial of Trastuzumab Deruxtecan (T-DXd) in Western Patients With HER2-Positive (HER2+) Unresectable or Metastatic Gastric or Gastroesophageal Junction (GEJ) Cancer Who Progressed on or After a Trastuzumab-containing Regimen

**Eric Van Cutsem, MD<sup>a</sup>**, Maria di Bartolomeo, Elizabeth Smyth, Ian Chau, Haeseong Park, Salvatore Siena, Sara Lonardi, Zev A. Wainberg, Jaffer Ajani, Joseph Chao, Jabed Seraj, Yoshinori Kawaguchi, Amy Qin, Jasmeet Singh, Gerold Meinhardt, Geoffrey Ku

On behalf of the **DESTINY-Gastric02** investigators

<sup>a</sup>University Hospital Gasthuisberg, Leuven and KU Leuven, Leuven, Belgium



# DESTINY-Gastric02 Phase II Study Design

## Key eligibility criteria

- Pathologically documented, unresectable or metastatic gastric or GEJ cancer
- Centrally confirmed HER2 positive disease (defined as IHC 3+ or IHC 2+/ISH+) on biopsy after progression on first-line trastuzumab-containing regimen
- ECOG PS 0 or 1

**T-DXd**  
**6.4 mg/kg Q3W**  
**N = 79<sup>a</sup>**

## Primary endpoint

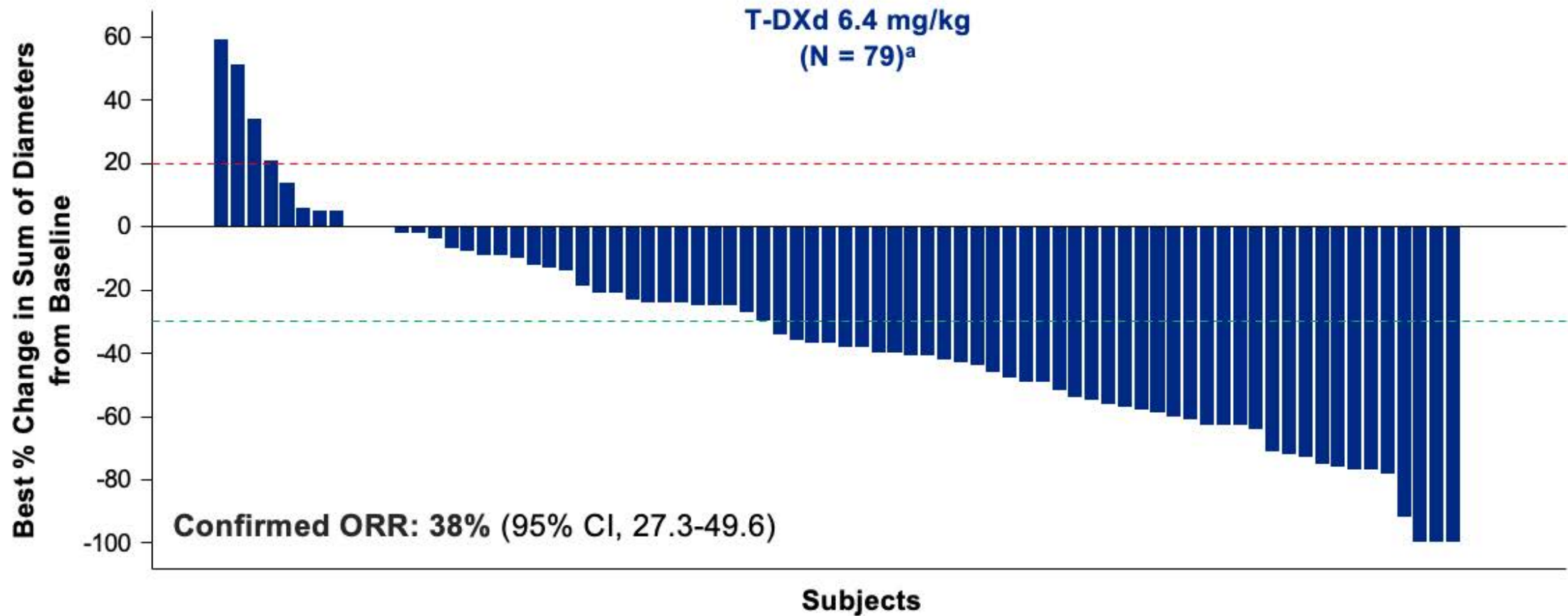
- Confirmed ORR by ICR

## Secondary endpoints<sup>b</sup>

- PFS by ICR
- OS
- DOR by ICR
- Safety and tolerability

- DESTINY-Gastric02 is the first study focused only on second-line T-DXd monotherapy in Western patients with HER2+ gastric/GEJ cancer who have progressed on a trastuzumab-containing regimen
  - It is the follow-on study to DESTINY-Gastric01, which evaluated T-DXd third-line or later in Asian patients<sup>1</sup>
- Patients were enrolled in Europe (Belgium, Great Britain, Italy, Spain) and the United States (data cutoff: April 9, 2021)

# DESTINY-Gastric02: Best Percent Change in Tumor Size from Baseline



# DESTINY-Gastric02: Safety Summary

n (%)	Patients (N = 79)
<b>Any drug-related TEAE</b>	74 (93.7)
<b>Drug-related TEAE Grade <math>\geq 3</math></b>	21 (26.6)
<b>Serious drug-related TEAE</b>	8 (10.1)
<b>Drug-related TEAE associated with discontinuation</b>	7 (8.9)
<b>Drug-related TEAE associated with dose reduction</b>	15 (19.0)
<b>Drug-related TEAE associated with an outcome of death</b>	1 (1.3)

- Median treatment duration was 4.3 months (range, 0.7-15.9 months)
- The most common drug-related TEAEs associated with treatment discontinuation were investigator-reported pneumonitis (3.8%) and ILD (2.5%)
- The most common drug-related TEAEs associated with dose reduction were nausea (7.6%) and decreased neutrophil count (5.1%)

## DESTINY-Gastric02: Treatment-Emergent Adverse Events (TEAEs)

n (%)	Patients (N = 79)	
	Any Grade	Grade ≥3
<b>Patients with ≥1 drug-related TEAEs</b>	74 (93.7)	21 (26.6)
<b>Drug-related TEAEs with ≥15% incidence in all patients</b>		
Nausea	46 (58.2)	3 (3.8)
Fatigue	29 (36.7)	3 (3.8)
Vomiting	26 (32.9)	1 (1.3)
Diarrhea	22 (27.8)	1 (1.3)
Decreased appetite	18 (22.8)	1 (1.3)
Alopecia	17 (21.5)	0
Anemia	15 (19.0)	6 (7.6)
Decreased platelet count	13 (16.5)	1 (1.3)
Decreased neutrophil count	12 (15.2)	6 (7.6)

## DESTINY-Gastric02: Adjudicated Drug-Related Interstitial Lung Disease (ILD)/Pneumonitis

	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Any Grade
n (%)	2 (2.5)	3 (3.8)	0	0	1 (1.3)	6 (7.6)

- Median time to onset of adjudicated drug-related ILD/pneumonitis was 80.5 days (range, 53-85 days), with a median duration of 38.0 days (range, 15-142 days)
- 83% of adjudicated drug-related ILD/pneumonitis cases were low grade (Grade 1-2)



# Novel Targeted Agents

# FDA Grants Bemarituzumab Breakthrough Therapy Designation as First-Line Treatment for Gastric and Gastroesophageal Cancers that Overexpress FGFR2b

Press Release – April 19, 2021

“The US Food and Drug Administration (FDA) granted Breakthrough Therapy Designation for investigational bemarituzumab as first-line treatment for patients with fibroblast growth factor receptor 2b (FGFR2b) overexpressing and human epidermal growth factor receptor 2 (HER2)-negative metastatic and locally advanced gastric and gastroesophageal (GEJ) adenocarcinoma in combination with modified FOLFOX6 (fluoropyrimidine, leucovorin, and oxaliplatin), based on an FDA-approved companion diagnostic assay showing at least 10% of tumor cells overexpressing FGFR2b.”

This designation is supported by results from the Phase 2 FIGHT trial.

# FIGHT: A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, PHASE 2 STUDY OF BEMARITUZUMAB (BEMA) COMBINED WITH MODIFIED FOLFOX6 IN 1L FGFR2B+ ADVANCED GASTRIC/GASTROESOPHAGEAL JUNCTION ADENOCARCINOMA (GC) (NCT03694522)

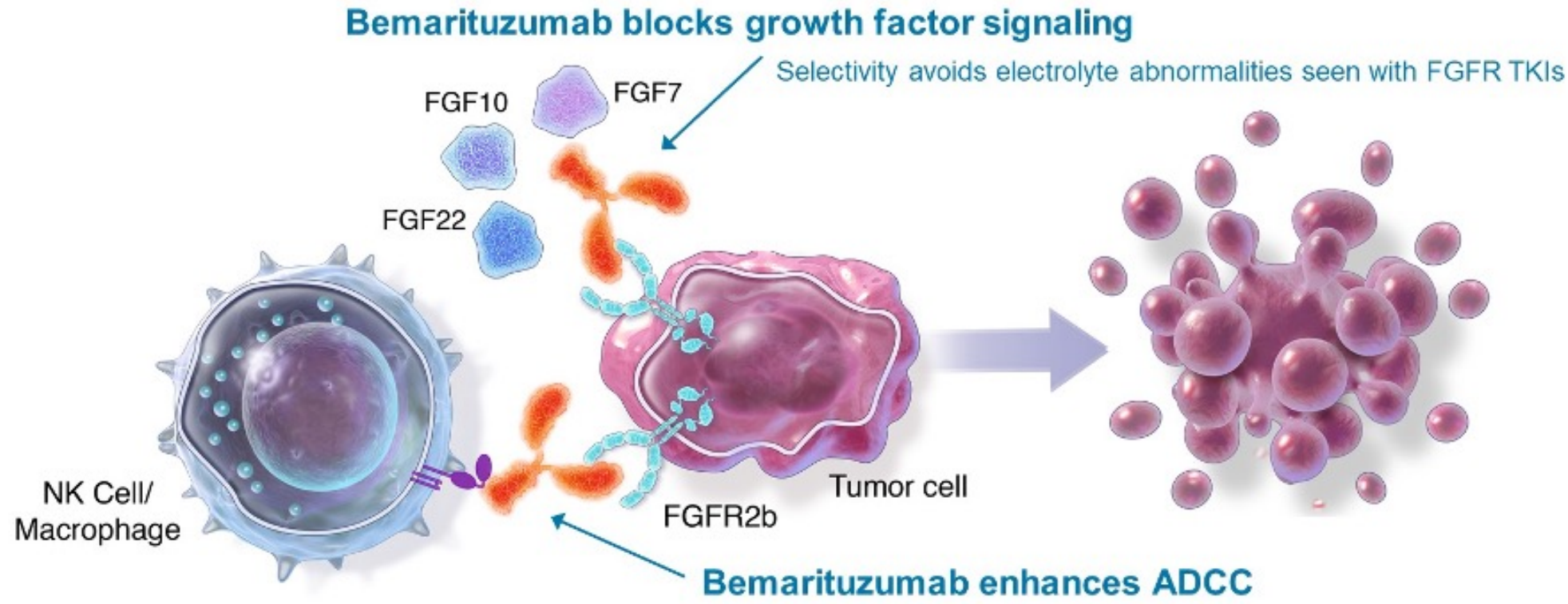
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Presenter: Daniel Catenacci, MD  
University of Chicago

**Authors:** Catenacci DV<sup>1</sup>, Kang YK<sup>2</sup>, Saeed A<sup>3</sup>, Yamaguchi K<sup>4</sup>, Qin S<sup>5</sup>, Lee KW<sup>6</sup>, Kim IH<sup>7</sup>, Oh SC<sup>8</sup>, Li J<sup>9</sup>, Turk HM<sup>10</sup>, Teixeira AC<sup>11</sup>, Borg C<sup>12</sup>, Hitre E<sup>13</sup>, Udrea AA<sup>14</sup>, Cardellino GG<sup>15</sup>, Guardefno Sanchez R<sup>16</sup>, Mitra S<sup>17</sup>, Yang Y<sup>17</sup>, Enzinger PC<sup>18</sup>, Wainberg ZA<sup>19</sup>

<sup>1</sup>University of Chicago, Chicago, USA; <sup>2</sup>Asan Medical Center, Seoul, South Korea; <sup>3</sup>Kansas University Cancer Center, Westwood, KS, USA; <sup>4</sup>The Cancer Institute Hospital of JFCR, Koto-Ku, Tokyo, Japan; <sup>5</sup>81 Hospital Nanjing University of Chinese Medicine, Nanjing, China; <sup>6</sup>Seoul National University Bundang Hospital, Seoul National University College of Medicine, Seongnam, Gyeonggi-do, South Korea; <sup>7</sup>The Catholic University of Korea, Seoul St. Mary's Hospital, Seoul, South Korea; <sup>8</sup>Korea University Guro Hospital, Seoul, South Korea; <sup>9</sup>Shanghai East Hospital, Shanghai, China; <sup>10</sup>Department of Medical Oncology, Bezmialem Vakif University, School of Medicine, Istanbul, Turkey; <sup>11</sup>Hospital Senhora Da Oliveira, Guimarães, Portugal; <sup>12</sup>Centre Hospitalier Régional Universitaire de Besançon, Besançon France; <sup>13</sup>National Institute of Oncology, Budapest, Hungary; <sup>14</sup>SC Medisprof SRL, Cluj-Napoca, Romania; <sup>15</sup>Department of Oncology, Azienda Sanitaria Universitaria Friuli Centrale, Udine, Italy; <sup>16</sup>Institut Català d'Oncologia, Girona, Spain; <sup>17</sup>FivePrime Therapeutics, Inc., South San Francisco, USA; <sup>18</sup>Dana Farber Cancer Institute, Boston, USA; <sup>19</sup>University of California, Los Angeles, USA

# Bemarituzumab Mechanism of Action



**18% overall response rate in late-line FGFR2b+ gastroesophageal cancer<sup>1</sup>**

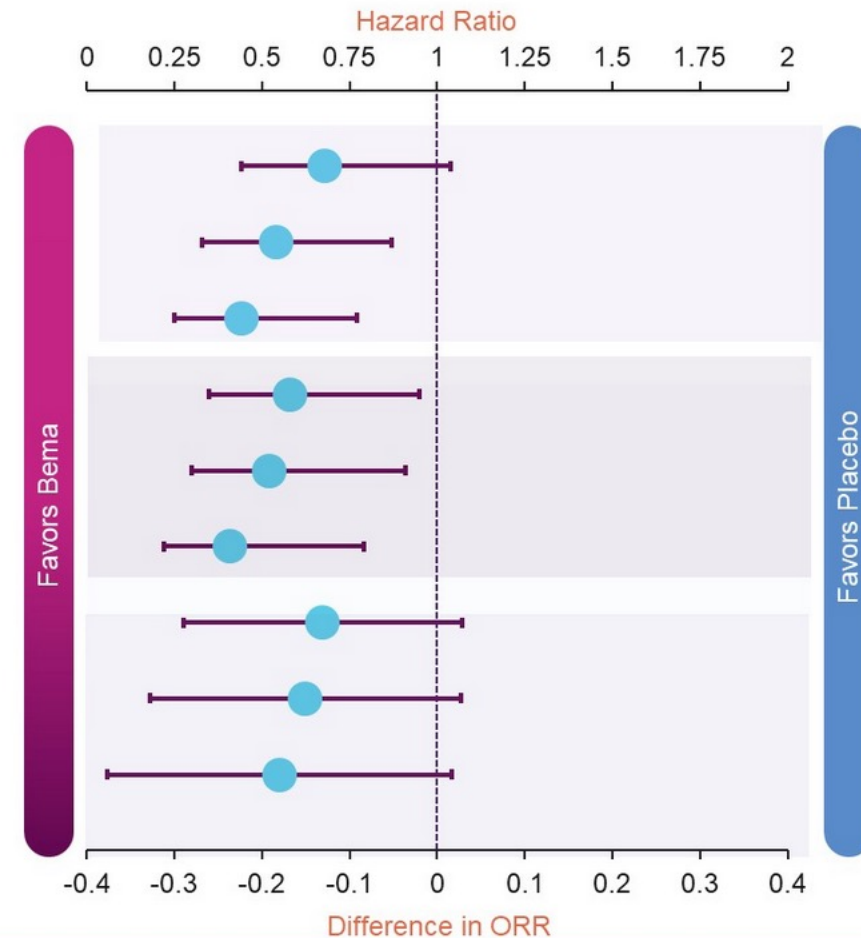
ADCC, antibody-dependent cell-mediated cytotoxicity; FGF, fibroblast growth factor; IgG1, Immunoglobulin G1; NK, natural killer; TKIs, tyrosine kinase inhibitors.

1. Catenacci D, et al. *J Clin Oncol*. 2020.

# FIGHT: Efficacy of First-Line Bemarituzumab with Modified FOLFOX6 for Gastric/GEJ Adenocarcinoma

Endpoint	Subgroup	Median PFS/OS (months) Response rate	HR (95% CI) Difference in ORR (95% CI)
PFS	Overall*	Bema: 9.5 Placebo: 7.4	0.68 (0.44, 1.04)
	IHC 2+ or 3+ ≥5%†	Bema: 10.2 Placebo: 7.3	0.54 (0.33, 0.87)
	IHC 2+ or 3+ ≥10%‡	Bema: 14.1 Placebo: 7.3	0.44 (0.25, 0.77)
OS	Overall	Bema: NR Placebo: 12.9	0.58 (0.35, 0.95)
	IHC 2+ or 3+ ≥5%	Bema: NR Placebo: 12.5	0.52 (0.30, 0.91)
	IHC 2+ or 3+ ≥10%	Bema: NR Placebo: 11.1	0.41 (0.22, 0.79)
ORR	Overall	Bema: 36 (46.8%) Placebo: 26 (33.3%)	-13.1%§ (-29.0%, 2.8%)
	IHC 2+ or 3+ ≥5%	Bema: 30 (51.7%) Placebo: 22 (36.7%)	-15.1%§ (-32.8%, 2.7%)
	IHC 2+ or 3+ ≥10%	Bema: 24 (54.5%) Placebo: 19 (36.5%)	-18.0%§ (-37.7%, 1.7%)

\*N = 155; †N = 118; ‡N = 96; §difference in ORR is calculated by (placebo ORR – Bema ORR).  
NR, not reached.



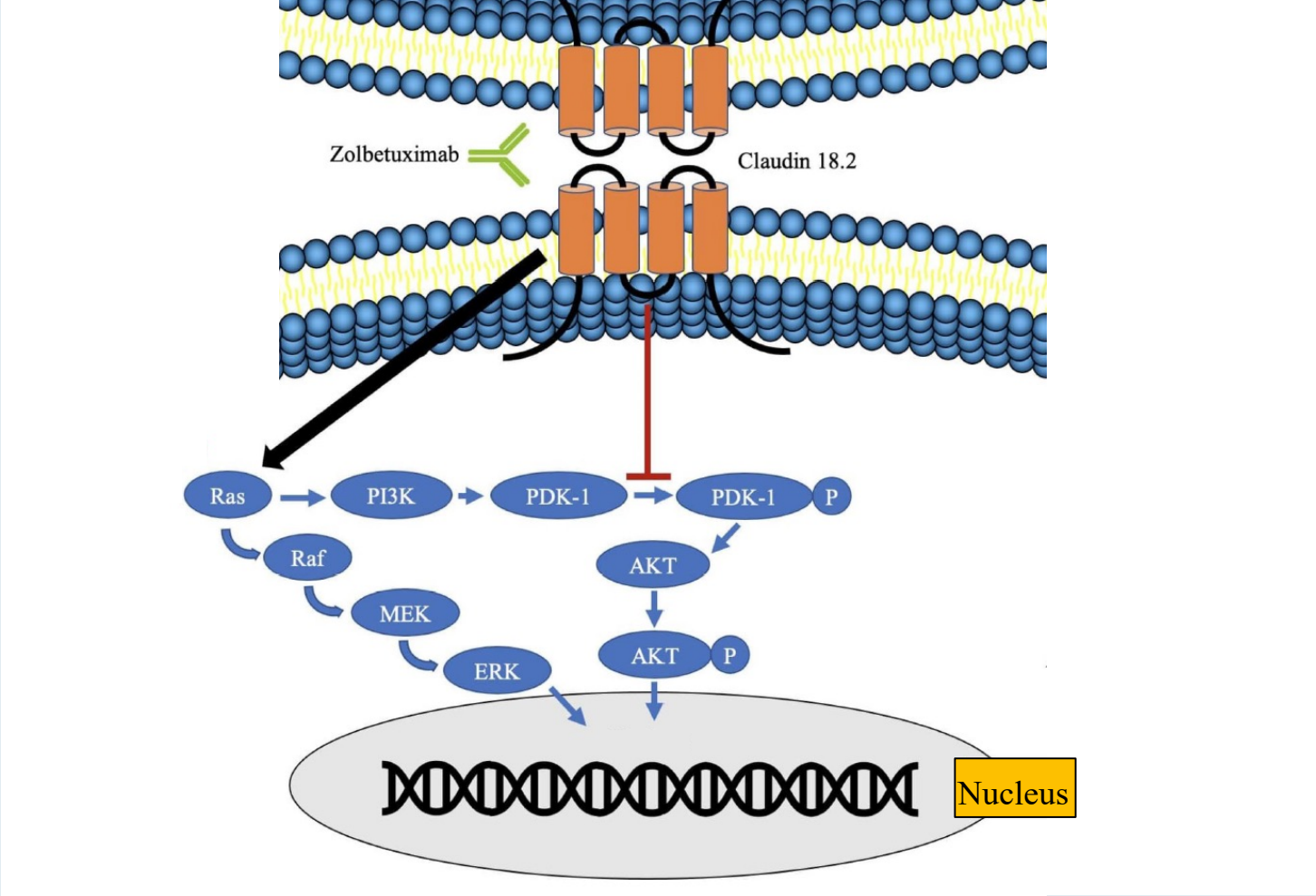
- Median OS was reached in the overall population with longer follow-up – 5.7-mo improvement

# FIGHT: Selected Treatment-Related Adverse Event Summary

Selected AE (Preferred term)	Any Grade		Grade ≥3	
	Bema (N = 76)	Placebo (N = 77)	Bema (N = 76)	Placebo (N = 77)
<b>Total Events</b>	<b>76 (100.0%)</b>	<b>76 (98.7%)</b>	<b>63 (82.9%)</b>	<b>57 (74.0%)</b>
Nausea	36 (47.4%)	41 (53.2%)	0	3 (3.9%)
Vomiting	22 (28.9%)	24 (31.2%)	2 (2.6%)	2 (2.6%)
Diarrhea	31 (40.8%)	24 (31.2%)	2 (2.6%)	1 (1.3%)
Stomatitis	24 (31.6%)	10 (13.0%)	7 (9.2%)	1 (1.3%)
Peripheral sensory neuropathy	15 (19.7%)	15 (19.5%)	4 (5.3%)	3 (3.9%)
Neutrophil count decreased	31 (40.8%)	33 (42.9%)	23 (30.3%)	27 (35.1%)
Platelet count decreased	14 (18.4%)	21 (27.3%)	1 (1.3%)	0
Aspartate aminotransferase increased	23 (30.3%)	15 (19.5%)	4 (5.3%)	2 (2.6%)
Alanine aminotransferase increased	22 (28.9%)	11 (14.3%)	2 (2.6%)	1 (1.3%)
Dry eye	20 (26.3%)	5 (6.5%)	2 (2.6%)	0

AE, adverse event.

# Zolbetuximab Mechanism of Action



Adapted from Siddiqui A, Almhanna K. *Cancers* 2021;13(17):4322.

**ORIGINAL ARTICLE**

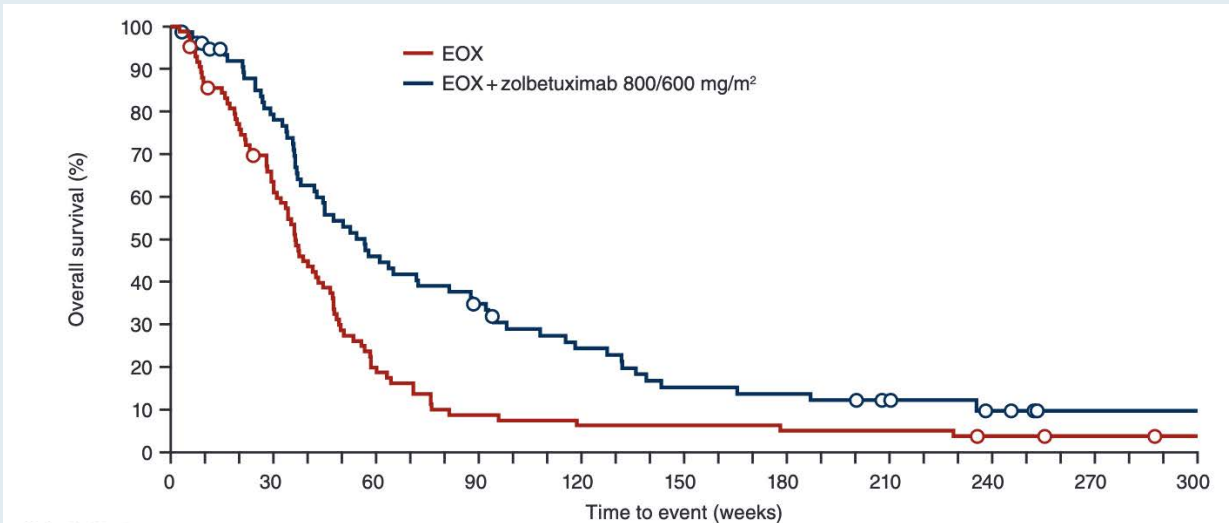
**FAST: a randomised phase II study of zolbetuximab (IMAB362) plus EOX versus EOX alone for first-line treatment of advanced CLDN18.2-positive gastric and gastro-oesophageal adenocarcinoma**

U. Sahin<sup>1,2,3</sup>, Ö. Türeci<sup>3,4</sup>, G. Manikhas<sup>5</sup>, F. Lordick<sup>6</sup>, A. Rusyn<sup>7</sup>, I. Vynnychenko<sup>8</sup>, A. Dudov<sup>9</sup>, I. Bazin<sup>10</sup>, I. Bondarenko<sup>11</sup>, B. Melichar<sup>12</sup>, K. Dhaene<sup>13</sup>, K. Wiechen<sup>14</sup>, C. Huber<sup>1,3,4</sup>, D. Maurus<sup>15</sup>, A. Arozullah<sup>16</sup>, J. W. Park<sup>16</sup>, M. Schuler<sup>17†</sup> & S.-E. Al-Batran<sup>18\*†</sup>



# FAST: Overall Survival with Zolbetuximab in Combination with Chemotherapy for Advanced CLDN18.2-Positive Gastric and Gastroesophageal Adenocarcinoma

## Overall population



### Median OS

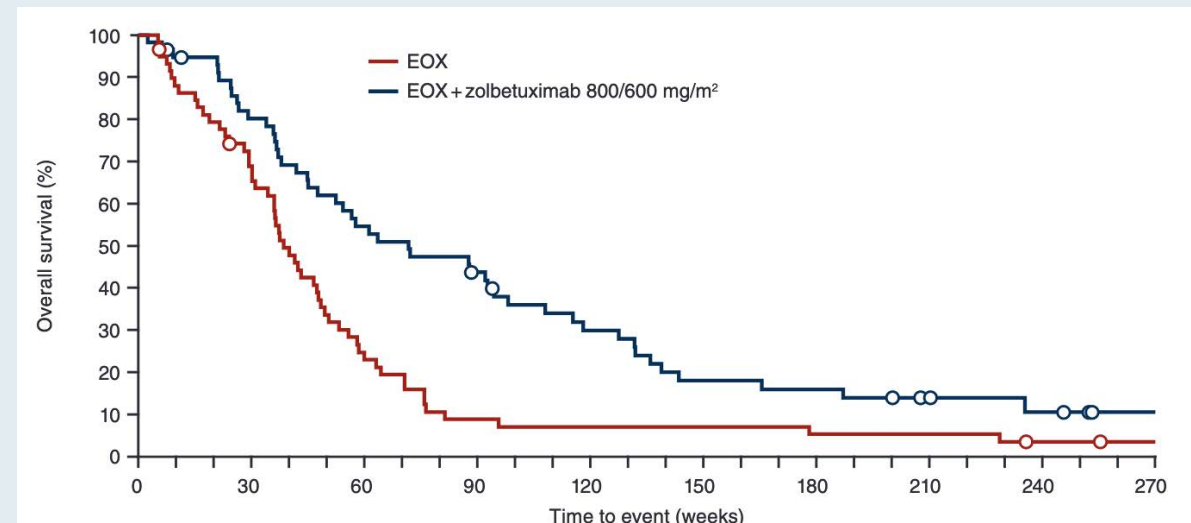
EOX (n = 84): 8.3 months

EOX + zolbetuximab (n = 77): 13.0 months

HR (p-value): 0.55 (<0.0005)

EOX = epirubicin/oxaliplatin/capecitabine

## Patients with ≥70% CLDN18.2-positive tumor cells



### Median OS

EOX (n = 59): 8.9 months

EOX + zolbetuximab (n = 57): 16.5 months

HR (p-value): 0.50 (<0.0005)

## FAST: Select Treatment-Emergent Adverse Events

Adverse event	EOX (n = 84)		EOX + zolbetuximab (n = 77)	
	Any grade	Grade ≥3	Any grade	Grade ≥3
Nausea	76.2%	4.8%	81.8%	6.5%
Vomiting	54.8%	3.6%	67.5%	10.4%
Anemia	35.7%	7.1%	45.5%	11.7%
Neutropenia	34.5%	21.4%	44.2%	32.5%
Weight loss	31.0%	3.6%	32.5%	11.7%
Fatigue	20.2%	3.6%	31.2%	6.5%
Leukopenia	16.7%	6.0%	15.6%	7.8%

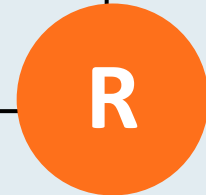
# Ongoing Phase III Trials of Zolbetuximab in Combination with Chemotherapy as First-Line Therapy for Gastric or GEJ Adenocarcinoma

Trial identifier	N	Setting	Study arms
GLOW (NCT03653507)	507	<ul style="list-style-type: none"> <li>• Locally advanced unresectable or metastatic</li> <li>• CLDN18.2-positive</li> <li>• HER2-negative</li> </ul>	<ul style="list-style-type: none"> <li>• Zolbetuximab + CAPOX</li> <li>• Placebo + CAPOX</li> </ul>
SPOTLIGHT (NCT03504397)	550	<ul style="list-style-type: none"> <li>• Locally advanced unresectable or metastatic</li> <li>• CLDN18.2-positive</li> <li>• HER2-negative</li> </ul>	<ul style="list-style-type: none"> <li>• Zolbetuximab + mFOLFOX6</li> <li>• Placebo + mFOLFOX6</li> </ul>

# ILUSTRO: Phase II Study of Zolbetuximab Alone or in Combination with Chemotherapy, Immunotherapy or Both for Metastatic or Locally Advanced Unresectable Gastric or GEJ Adenocarcinoma

**Trial Identifier: NCT03505320 (Open)**

**Histologically confirmed gastric or GEJ adenocarcinoma**  
Locally advanced, unresectable or metastatic disease  
Positivity for CLDN18.2 expression



**Cohort 1A**  
Zolbetuximab

**Cohort 2**  
Zolbetuximab + mFOLFOX6

**Cohort 3A**  
Zolbetuximab + pembrolizumab

**Cohort 4A/4B**  
Zolbetuximab + mFOLFOX6  
+/- nivolumab

**Primary endpoint:** Objective response rate with zolbetuximab monotherapy

**Secondary endpoints** include PFS, pharmacokinetics, safety and tolerability

# **PARP Inhibition in the Management of Prostate Cancer — Where We Are and Where We're Headed**

**Thursday, June 23, 2022**

**5:00 PM – 6:00 PM ET**

## **Faculty**

**Johann S de Bono, MB ChB, MSc, PhD, FMedSci  
Fred Saad, MD**

## **Moderator**

**Neil Love, MD**

***Thank you for joining us!***

***CME and MOC credit information will be emailed  
to each participant within 5 business days.***