

A Conversation with the Investigators: Bladder Cancer

**Wednesday, July 21, 2021
5:00 PM – 6:00 PM ET**

Faculty

**Petros Grivas, MD, PhD
Daniel P Petrylak, MD
Arlene Siefker-Radtke, MD**

Moderator

Neil Love, MD

Faculty



Petros Grivas, MD, PhD

Associate Professor, Department of Medicine
Division of Oncology
Clinical Director, Genitourinary Cancers Program
University of Washington
Associate Member, Clinical Research Division
Fred Hutchinson Cancer Research Center
Seattle, Washington



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Professor of Internal Medicine (Medical Oncology)
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New Haven, Connecticut



Moderator

Neil Love, MD

Research To Practice
Miami, Florida

Commercial Support

This activity is supported by educational grants from Astellas and Seagen Inc, AstraZeneca Pharmaceuticals LP, Gilead Sciences Inc, and Janssen Biotech Inc, administered by Janssen Scientific Affairs LLC.

Dr Love — Disclosures

Dr Love is president and CEO of Research To Practice. Research To Practice receives funds in the form of educational grants to develop CME activities from the following companies: AbbVie Inc, Adaptive Biotechnologies Corporation, Agios Pharmaceuticals Inc, Alexion Pharmaceuticals, Amgen Inc, Array BioPharma Inc, a subsidiary of Pfizer Inc, Astellas, AstraZeneca Pharmaceuticals LP, Aveo Pharmaceuticals, Bayer HealthCare Pharmaceuticals, BeiGene Ltd, Blueprint Medicines, Boehringer Ingelheim Pharmaceuticals Inc, Bristol-Myers Squibb Company, Celgene Corporation, Clovis Oncology, Daiichi Sankyo Inc, Eisai Inc, Epizyme Inc, Exact Sciences Inc, Exelixis Inc, Five Prime Therapeutics Inc, Foundation Medicine, Genentech, a member of the Roche Group, Gilead Sciences Inc, GlaxoSmithKline, Grail Inc, Halozyme Inc, Helsinn Healthcare SA, ImmunoGen Inc, Incyte Corporation, Ipsen Biopharmaceuticals Inc, Janssen Biotech Inc, administered by Janssen Scientific Affairs LLC, Jazz Pharmaceuticals Inc, Karyopharm Therapeutics, Kite, A Gilead Company, Lilly, Loxo Oncology Inc, a wholly owned subsidiary of Eli Lilly & Company, Merck, Novartis, Novocure Inc, Oncopeptides, Pfizer Inc, Pharmacyclics LLC, an AbbVie Company, Puma Biotechnology Inc, Regeneron Pharmaceuticals Inc, Sanofi Genzyme, Seagen Inc, Sumitomo Dainippon Pharma Oncology Inc, Taiho Oncology Inc, Takeda Oncology, Tesaro, A GSK Company, TG Therapeutics Inc, Turning Point Therapeutics Inc and Verastem Inc.

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Dr Grivas — Disclosures

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Research Funding to Institution	Bavarian Nordic, Bristol-Myers Squibb Company, Clovis Oncology, Debiopharm Group, GlaxoSmithKline, Immunomedics Inc, Kure It Cancer Research, Merck, Mirati Therapeutics, Pfizer Inc, QED Therapeutics
Data and Safety Monitoring Board/Committee	Bristol-Myers Squibb Company

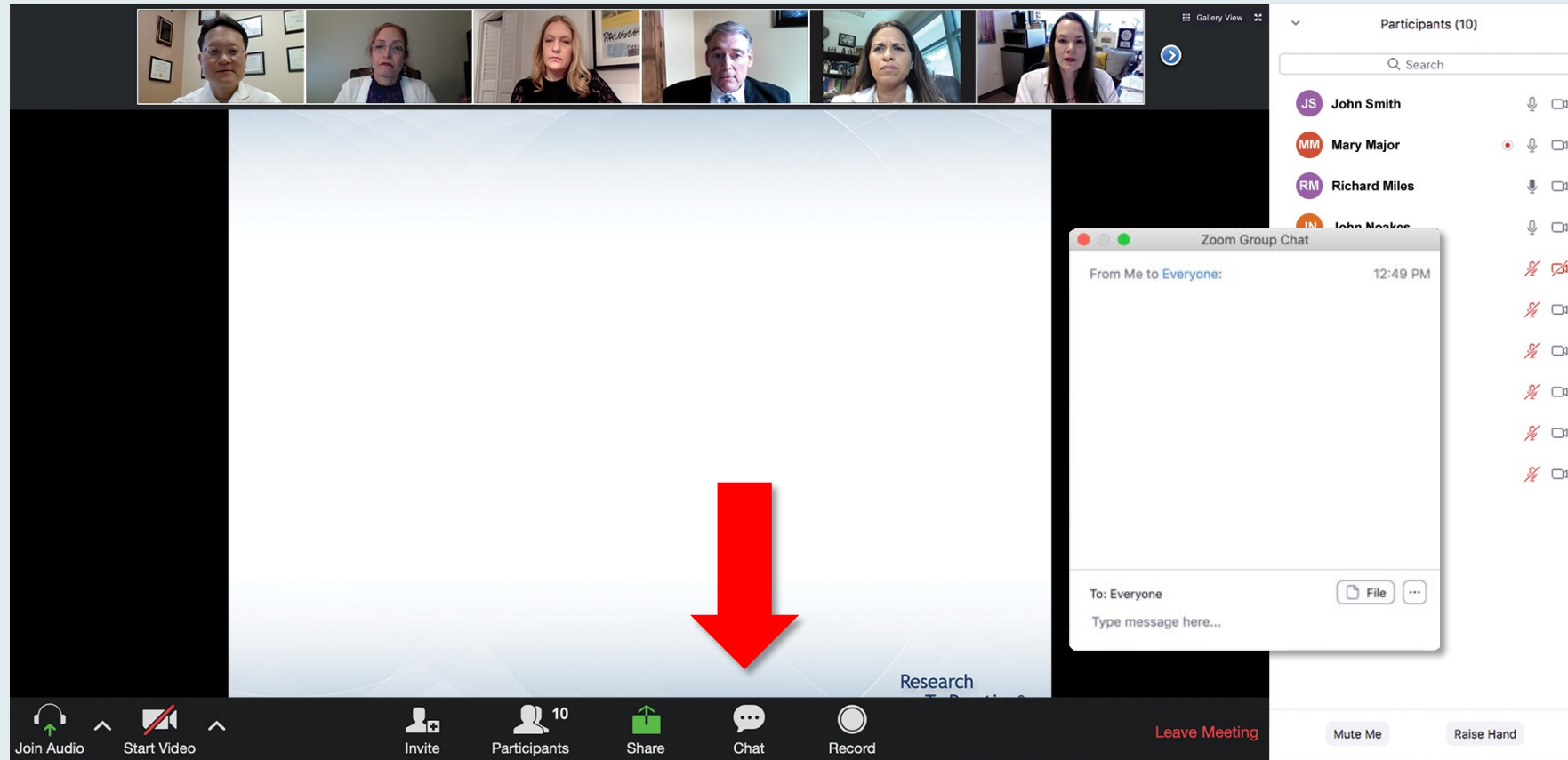
Dr Petrylak — Disclosures

Consulting Agreements	Advanced Accelerator Applications, Amgen Inc, Astellas, AstraZeneca Pharmaceuticals LP, Bayer HealthCare Pharmaceuticals, Bicycle Therapeutics, Boehringer Ingelheim Pharmaceuticals Inc, Bristol-Myers Squibb Company, Clovis Oncology, Exelixis Inc, Incyte Corporation, Janssen Biotech Inc, Lilly, Mirati Therapeutics, Monopteros Therapeutics, Pfizer Inc, Pharmacyclics LLC, an AbbVie Company, Regeneron Pharmaceuticals Inc, Roche Laboratories Inc, Seagen Inc, UroGen Pharma
Contracted Research	Advanced Accelerator Applications, Astellas, AstraZeneca Pharmaceuticals LP, Bayer HealthCare Pharmaceuticals, BioXcel Therapeutics Inc, Bristol-Myers Squibb Company, Clovis Oncology, Eisai Inc, Endocyte Inc, Genentech, a member of the Roche Group, Innocrin Pharmaceuticals Inc, Lilly, Medivation Inc, a Pfizer Company, Merck, Mirati Therapeutics, Novartis, Pfizer Inc, Progenics Pharmaceuticals Inc, Replimune, Roche Laboratories Inc, Sanofi Genzyme, Seagen Inc
Ownership Interest	Bellicum Pharmaceuticals Inc, Tyme Inc

Dr Siefker-Radtke — Disclosures

Advisory Committee	AstraZeneca Pharmaceuticals LP, Basilea Pharmaceutica Ltd, Bristol-Myers Squibb Company, Genentech, a member of the Roche Group, IDEAYA Biosciences, Immunomedics Inc, Janssen Biotech Inc, Merck Sharp & Dohme Corp, Mirati Therapeutics, Nektar, Seagen Inc, Taiho Oncology Inc
Contracted Research	Basilea Pharmaceutica Ltd, Bristol-Myers Squibb Company, Janssen Biotech Inc, Merck Sharp & Dohme Corp, Nektar
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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

How to answer poll questions

The screenshot displays a Zoom meeting interface. At the top, a gallery view shows six participants. The main screen displays a poll question: "What is your usual treatment recommendation for a patient with MM who has been followed by ASCT for 1-5 years who then experiences an asymptomatic relapse?". Below the question is a list of ten treatment options, each preceded by a number. A "Quick Poll" overlay is visible, showing a list of radio button options corresponding to the numbered list. The bottom of the screen features a toolbar with icons for "Join Audio", "Start Video", "Invite", "Participants" (showing 10), "Share", "Chat", "Record", and a "Leave Meeting" button. On the right side, a "Participants (10)" list is visible, showing names and status icons.

What is your usual treatment recommendation for a patient with MM who has been followed by ASCT for 1-5 years who then experiences an asymptomatic relapse?

Quick Poll

- ☐ Carfilzomib +/- dexamethasone
- ☐ Pomalidomide +/- dexamethasone
- ☐ Carfilzomib + pomalidomide +/- dexamethasone
- ☐ Elotuzumab + lenalidomide +/- dexamethasone
- ☐ Elotuzumab + pomalidomide +/- dexamethasone
- ☐ Daratumumab + lenalidomide +/- dexamethasone
- ☐ Daratumumab + pomalidomide +/- dexamethasone
- ☐ Daratumumab + bortezomib +/- dexamethasone
- ☐ Ixazomib + Rd
- ☐ Other

Submit

Co-provided by USF Health Research To Practice®

Join Audio Start Video Invite Participants 10 Share Chat Record Leave Meeting Mute Me Raise Hand

Participants (10)

Search

- JS John Smith
- MM Mary Major
- RM Richard Miles
- JN John Noakes
- AS Alice Suarez
- JP Jane Perez
- RS Robert Stiles
- JF Juan Fernandez
- AK Ashok Kumar
- JS Jeremy Smith

When a poll question pops up, click your answer choice from the available options.
Results will be shown after everyone has answered.

Familiarizing Yourself with the Zoom Interface

Expand chat submission box

The screenshot displays a Zoom meeting interface. At the top, a video bar shows participants: RTP Coordinat..., Kirsten Miller, RTP Mike Rivera, and Lisa Suarez. Below the video bar, a 'Recording...' indicator is visible. The main content area shows a presentation slide titled 'Meet The Professor Program Steering Committee'. The slide lists six members of the committee, each with a portrait photo and their name and affiliation:

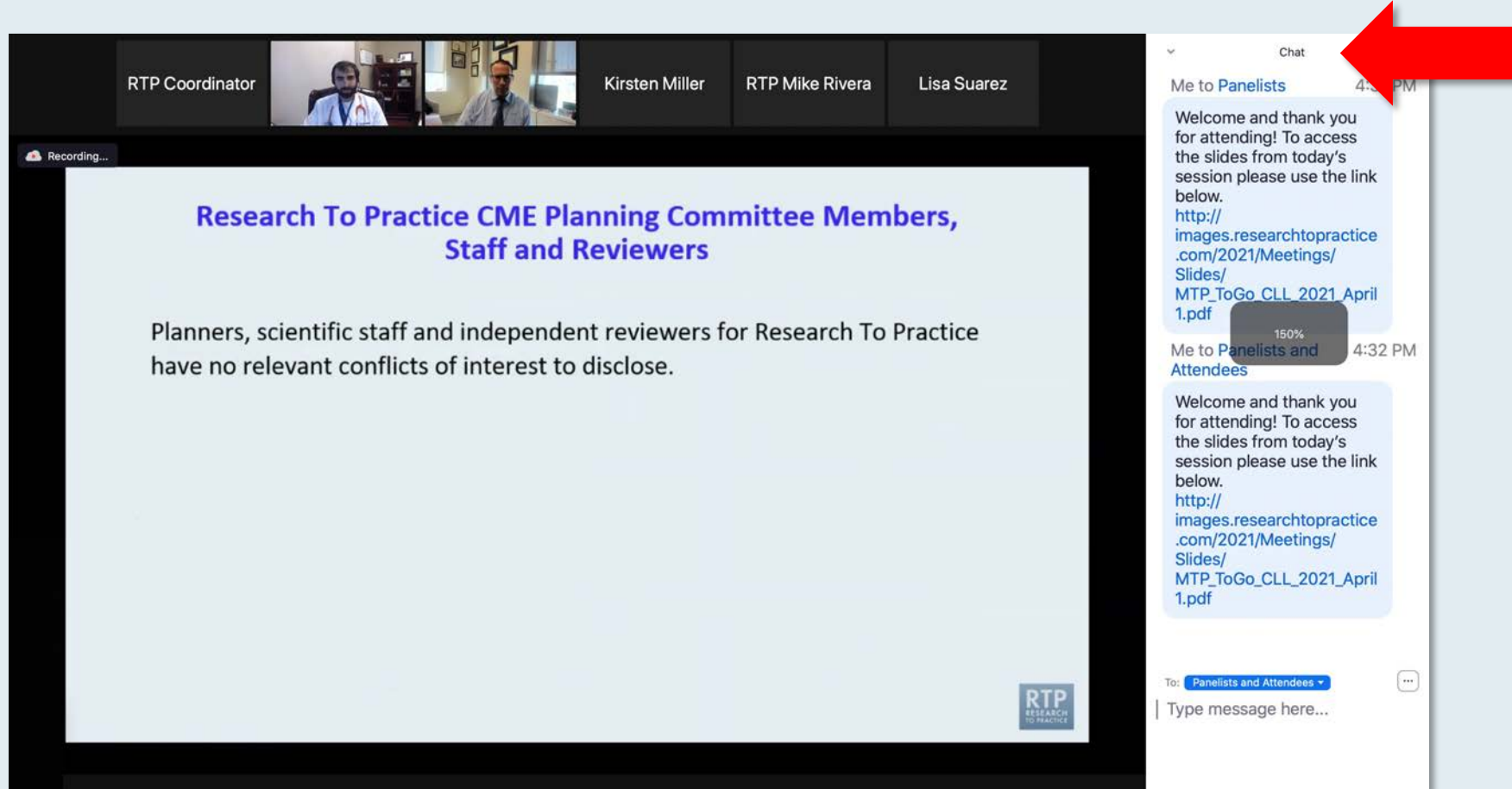
- John N Allan, MD**
Assistant Professor of Medicine
Weill Cornell Medicine
New York, New York
- Ian W Flinn, MD, PhD**
Director of Lymphoma Research Program
Sarah Cannon Research Institute
Tennessee Oncology
Nashville, Tennessee
- Steven Coutre, MD**
Professor of Medicine (Hematology)
Stanford University School of Medicine
Stanford, California
- Prof John G Gribben, MD, DSc, FMedSci**
Chair of Medical Oncology
Barts Cancer Institute
Queen Mary University of London
Charterhouse Square
London, United Kingdom
- Matthew S Davids, MD, MMSc**
Associate Professor of Medicine
Harvard Medical School
Director of Clinical Research
Division of Lymphoma
Dana-Farber Cancer Institute
Boston, Massachusetts
- Brian T Hill, MD, PhD**
Director, Lymphoid Malignancy Program
Cleveland Clinic Taussig Cancer Institute
Cleveland, Ohio

The chat window on the right is titled 'Chat' and shows two messages from 'Me to Panelists' and 'Me to Panelists and Attendees' at 4:31 PM and 4:32 PM respectively. Each message says: '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_April1.pdf'. At the bottom of the chat window, there is a 'To:' dropdown menu set to 'Panelists and Attendees' and a text input field labeled 'Type message here...'. A large red arrow points to this input field.

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, a gallery view shows participants: RTP Coordinator, Kirsten Miller, RTP Mike Rivera, and Lisa Suarez. The main screen shows a presentation 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" with a link to a PDF. A red arrow points to the chat window's font size control, which is set to 150%.

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

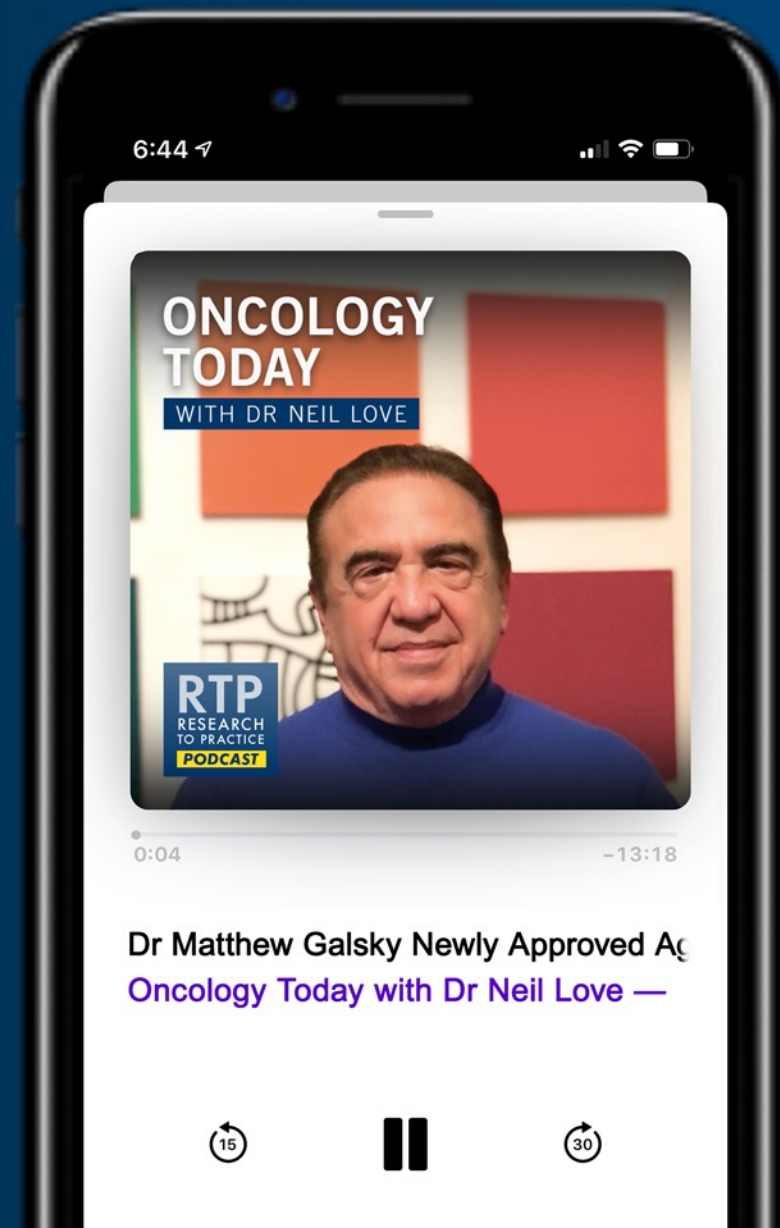
ONCOLOGY TODAY

WITH DR NEIL LOVE

Newly Approved Agents in the Management of Urothelial Bladder Carcinoma



DR MATTHEW GALSKY
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI



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Thursday, July 22, 2021

5:00 PM – 6:00 PM ET

Faculty

David F McDermott, MD

Moderator

Neil Love, MD

A Conversation with the Investigators: Endometrial and Cervical Cancers

**Monday, July 26, 2021
5:00 PM – 6:00 PM ET**

Faculty

**Mansoor Raza Mirza, MD
David M O'Malley, MD
Angeles Alvarez Secord, MD, MHSc**

Moderator

Neil Love, MD

What General Medical Oncologists Want to Know About Targeted Therapy for Non-Small Cell Lung Cancer

**Tuesday, July 27, 2021
5:00 PM – 6:00 PM ET**

Faculty

**Professor Solange Peters, MD, PhD
Zofia Piotrowska, MD, MHS
Gregory J Riely, MD, PhD**

Moderator

Neil Love, MD

What General Medical Oncologists Want to Know About Immunotherapy and Other Nontargeted Approaches for Lung Cancer

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David R Spigel, MD
Heather Wakelee, MD

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Consensus or Controversy?

Clinical Investigator Perspectives on the Current and Future Management of Mantle Cell, Diffuse Large B-Cell and Hodgkin Lymphoma

Monday, August 2, 2021
5:00 PM – 6:00 PM ET

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Stephen M Ansell, MD, PhD
Craig Moskowitz, MD
Laurie H Sehn, MD, MPH

Moderator

Neil Love, MD



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Tuesday, August 3, 2021
5:00 PM – 6:30 PM ET

Faculty

Chloe E Atreya, MD, PhD
Dustin Deming, MD
Eric Van Cutsem, MD, PhD
Zev Wainberg, MD, MSc

Moderator

Neil Love, MD



Consensus or Controversy? Clinical Investigator Perspectives on the Current and Future Management of Hepatocellular Carcinoma and Pancreatic Cancer

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Eileen M O'Reilly, MD
Philip A Philip, MD, PhD, FRCP

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Thank you for joining us!

CME and MOC credit information will be emailed to each participant within 2 to 3 business days.

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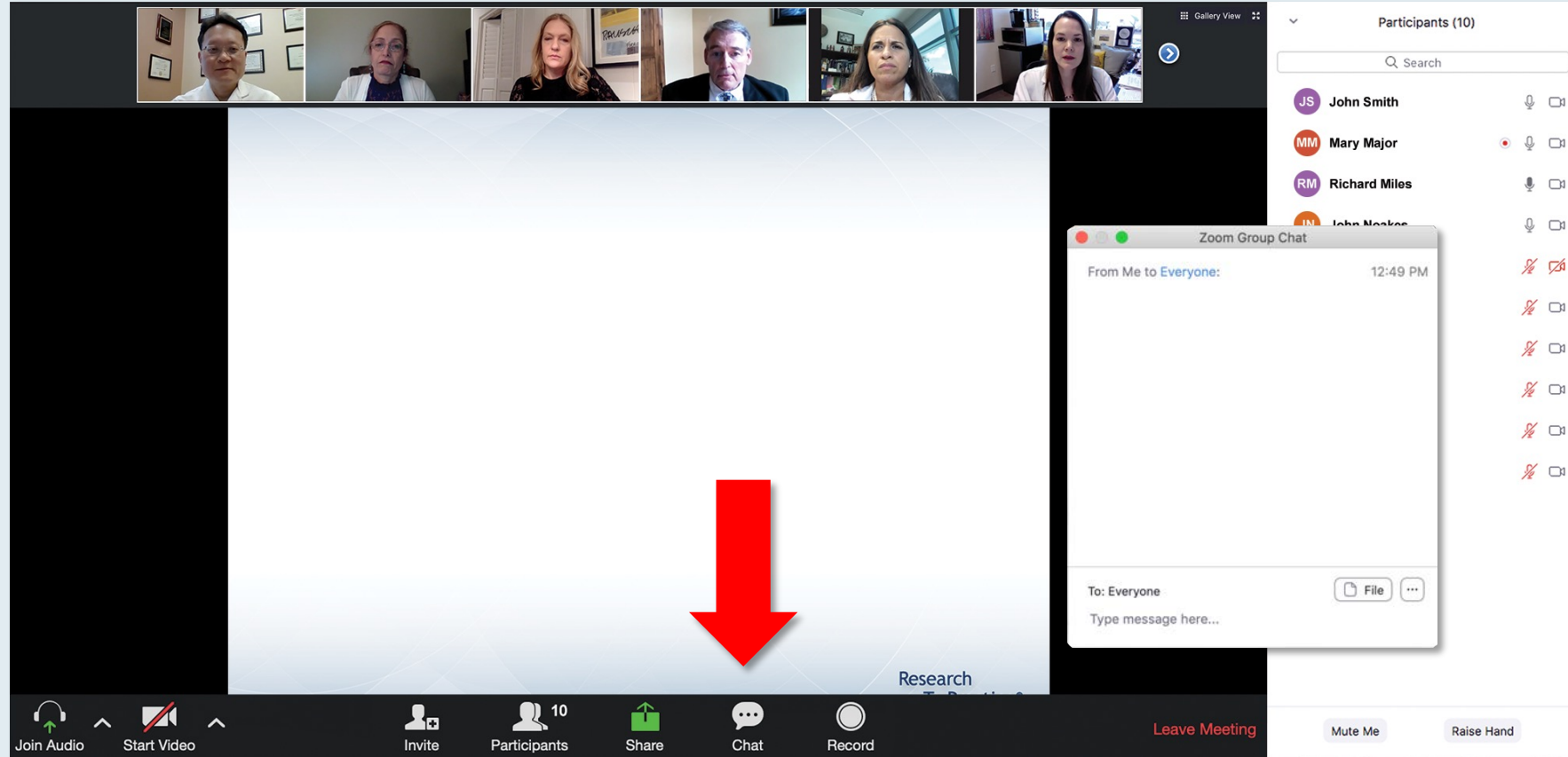


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9. Ixazomib + Rd
10. Other

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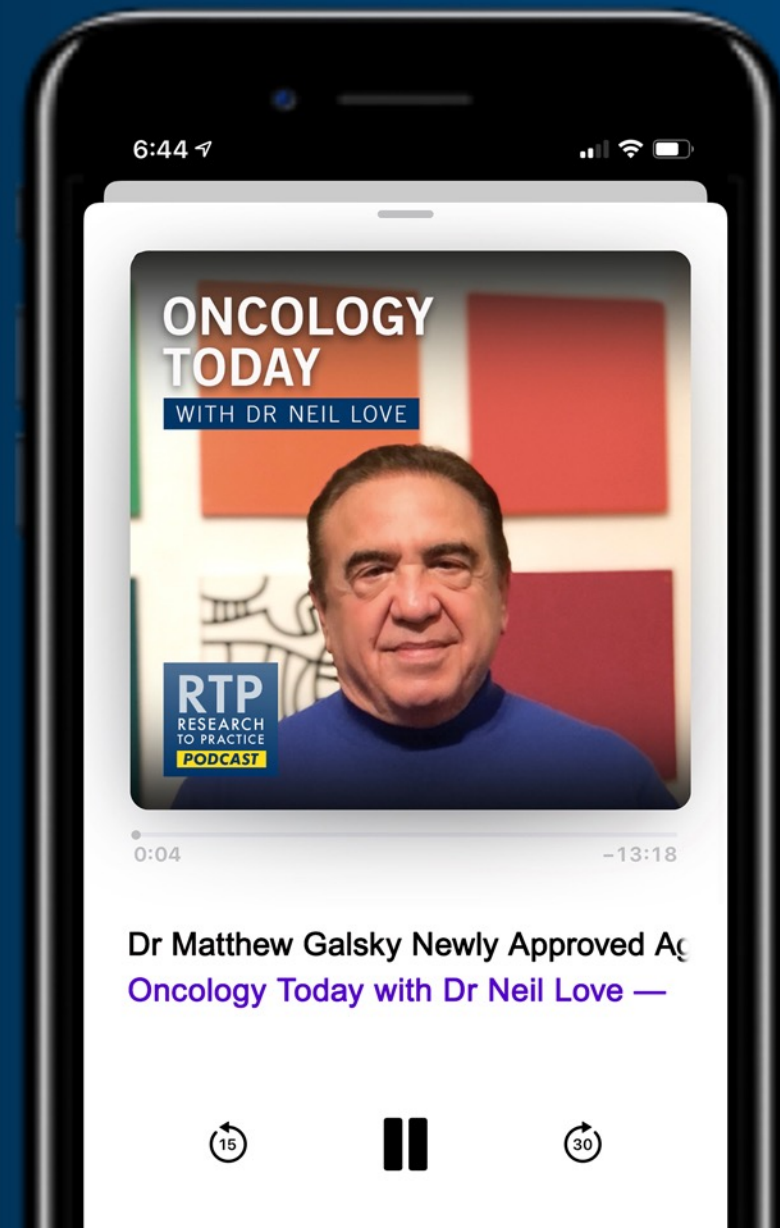
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ASCO 2021 Bladder Cancer Presentation Library



Current and Future Role of Immune Checkpoint Inhibitors in Urothelial Bladder Cancer (UBC)

Petros Grivas, MD, PhD

[Download Slides](#)



Key Data Supporting the Use of Antibody-Drug Conjugates in UBC

Daniel P Petrylak, MD

[Download Slides](#)



Approved and Investigational FGFR-Targeted Therapies in Advanced UBC

Arlene Siefker-Radtke, MD

[Download Slides](#)

Agenda

Module 1: Treatment of Metastatic Urothelial Bladder Cancer (mUBC) – Third Line and Beyond

Part 1: Antibody-Drug Conjugates

- Enfortumab vedotin (EV) for progressive mUBC; potential clinical role in combination with pembrolizumab
- TROPY U-01: Sacituzumab govitecan for progressive mUBC; recent FDA approval
- Incidence, severity and management of adverse events with EV and sacituzumab govitecan
- Faculty cases

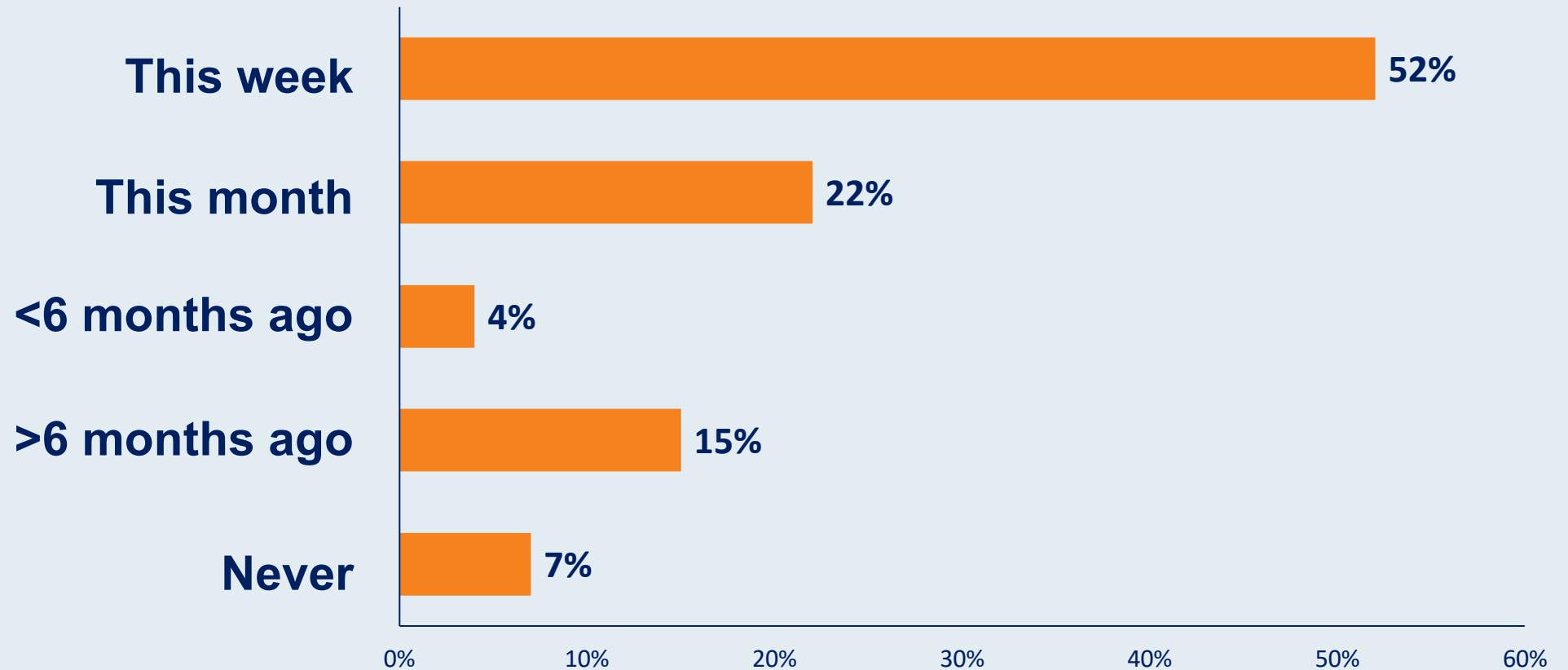
Part 2: FGFR-Targeted Therapies in Advanced UBC

- BLC2001: Erdafitinib for patients with progressive mUBC with susceptible FGFR3 or FGFR2 alterations
- Incidence and severity of adverse events with erdafitinib; optimal monitoring and management strategies
- Ongoing studies evaluating erdafitinib alone or in combination with other systemic therapies in UBC
- Faculty cases

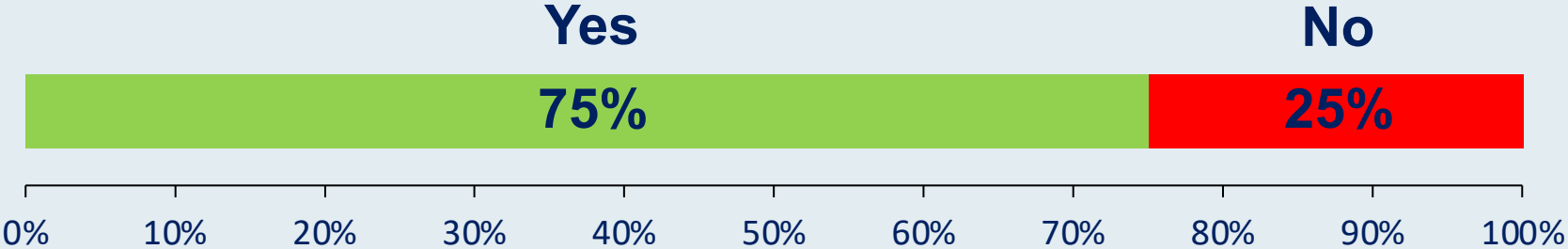
Module 2: Non-Muscle-Invasive Bladder Cancer; First- and Second-Line Therapy for mUBC

- Use of immunotherapy for BCG-refractory non-muscle-invasive bladder cancer
- Immunotherapy for mUBC: IMvigor130, DANUBE, JAVELIN Bladder 100
- Faculty cases

When was the last time that you presented, or had a case presented for you, at a local tumor board meeting?

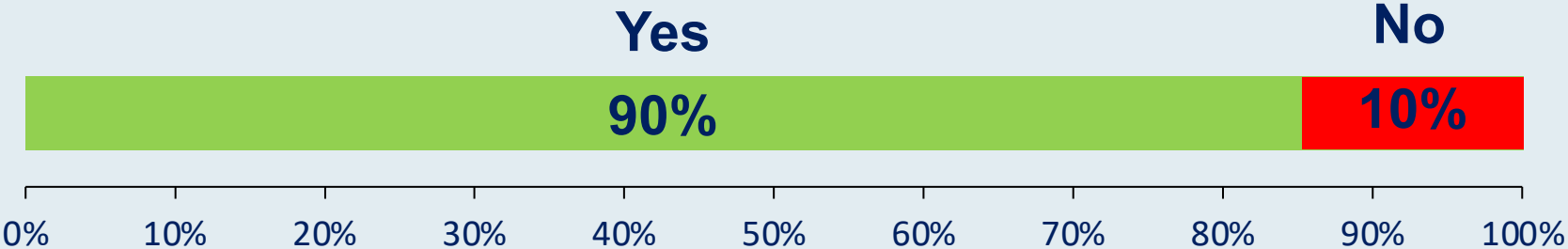


In the past month have you listened to audio podcasts not related to medicine?



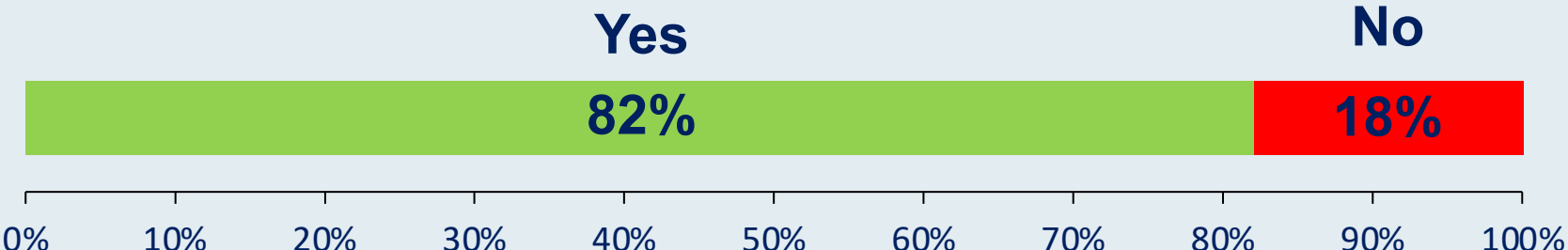
Median: 5 hours
Range: 1-60

In the past month have you listened to oncology-related audio podcasts?



Median: 5 hours
Range: 1-40

In the past month have you listened to RTP audio podcasts?



Median: 4 hours
Range: 1-66

Questions for Genitourinary Clinical Investigators

- Use of immunotherapy for non-muscle-invasive bladder cancer
- Neoadjuvant treatment of muscle-invasive bladder cancer
- Bladder preservation
- Adjuvant treatment with immunotherapy
- Sequencing of therapies for mUBC
- Choice of chemotherapy for platinum-eligible patients
- Novel agents
- Role of immunotherapy in combination with enfortumab vedotin
- Other

Questions for Genitourinary Clinical Investigators

“Oncology Family Feud”

- Use of immunotherapy for non-muscle-invasive bladder cancer
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Questions for Genitourinary Clinical Investigators

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“Oncology Family Feud”

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- Neoadjuvant treatment of muscle-invasive bladder cancer
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- Adjuvant treatment with immunotherapy

• **Sequencing of therapies for mUBC**

1

- Choice of chemotherapy for platinum-eligible patients
- Novel agents

• **Role of immunotherapy in combination with enfortumab vedotin**

2

- Other

Questions for Genitourinary Clinical Investigators

Non-Muscle-Invasive Bladder Cancer:

“Use of check point inhibitors in non muscle invasive bladder cancer”

“How do you feel about treating non-muscle-invasive BC with an IO?”

“Would you give immunotherapy for non-invasive bladder cancer if the patient has not received BCG, but has gotten mitomycin?”

“Why does it seem that the general urologist is not that aware of data regarding IO agents for recurrent Ca in Situ of the bladder?”

Questions for Genitourinary Clinical Investigators

Localized and Initial Treatment of Muscle-Invasive Bladder Cancer; Bladder Preservation:

“What is the best neoadjuvant systemic treatment?”

“Anything new on bladder preservation – particularly in the elderly?”

“Any more protocols in development for "cystectomy-sparing" strategies? To build on immunotherapy, or targeted combined?”

“What is your preferred chemo to pair with radiation if patient is not a candidate for cystectomy?”

“In what situations, if any, would you use dual checkpoint inhibitors to manage advanced bladder cancer?”

Questions for Genitourinary Clinical Investigators

Sequencing of Agents for Metastatic UBC:

“What is your preferred algorithm in treatment of fit vs frail individuals with advanced MIUBC?”

“What is the best agent to treat post-chemo/post-immunotherapy recurrent urothelial bladder cancer?”

“What is the best treatment for third line mUTC?”

“AMONG PATIENTS WHO ARE ELIGIBLE FOR ALL THREE TARGETED AGENTS, (FORGET ABOUT FDA APPROVAL CONCERNING LINE OF THERAPY) WHICH AGENT WOULD THEY USE FIRST, EVEN BEFORE ANY CHEMO (IS CHEMO STILL THE NUMBER ONE PREFERRED REGIMEN FIRST LINE)?”

“Best sequence of enfortumab vedotin vs sacituzumab govitecan vs erdafitinib?”

“What is the appropriate sequencing of drugs in the metastatic setting?”

“Can these data be applicable to upper urinary tract transitional cell cancer? Any data for squamous cell UBC?”

Questions for Genitourinary Clinical Investigators

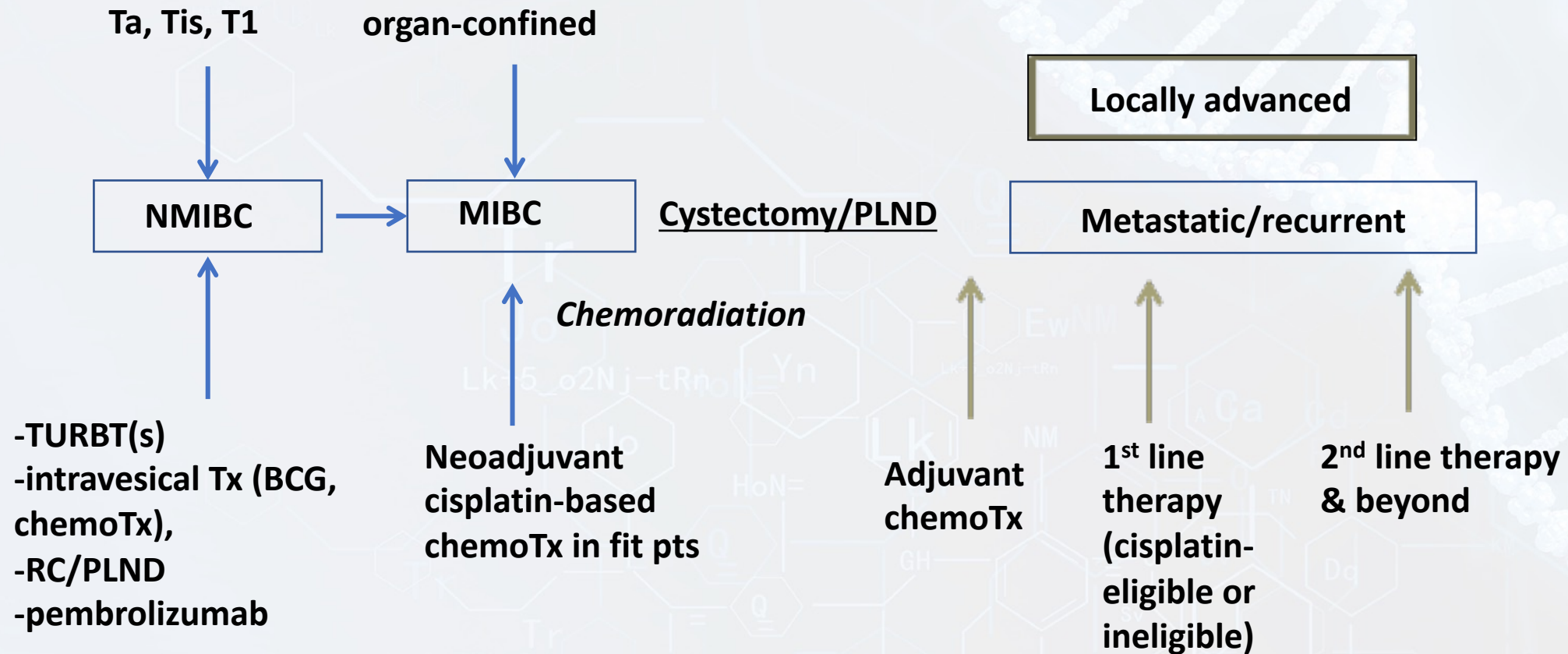
Checkpoint Inhibitors in Combination with Enfortumab Vedotin:

“Outside of clinical trial have you given a combo of IO plus enfortumab?”

“Will CPI + enfortumab become 1st line choice in metastatic urothelial cancer?”

“The data with enfortumab with pembrolizumab, even though it's a small study, is very impressive, do they anticipate that it will become standard of care in future considering traditional risk factors for bladder cancer are less common – smoking, chemicals, etc – why is incidence rising?”

Disease/treatment settings



Agenda

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- Enfortumab vedotin (EV) for progressive mUBC; potential clinical role in combination with pembrolizumab
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- Incidence, severity and management of adverse events with EV and sacituzumab govitecan
- Faculty cases

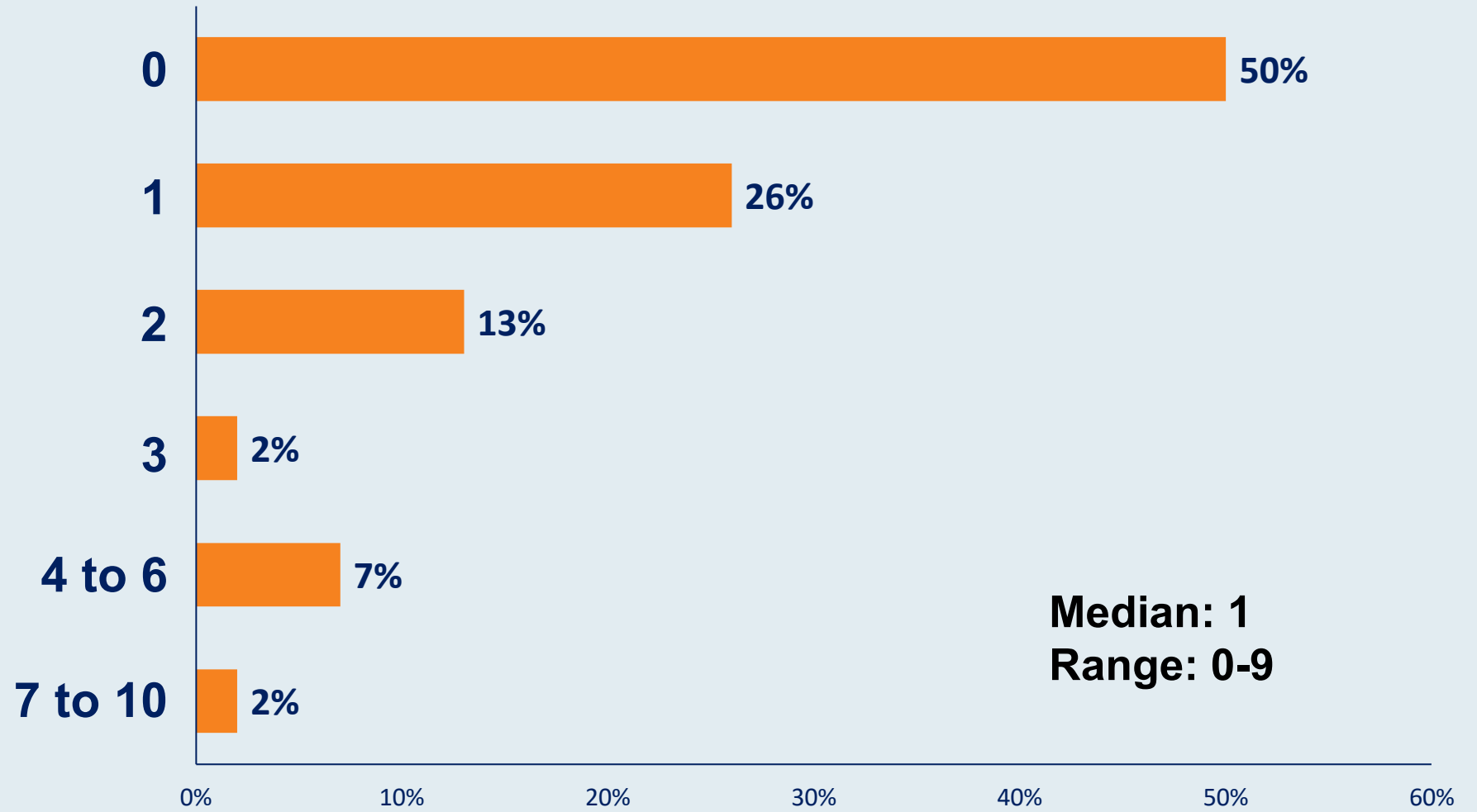
Part 2: FGFR-Targeted Therapies in Advanced UBC

- BLC2001: Erdafitinib for patients with progressive mUBC with susceptible FGFR3 or FGFR2 alterations
- Incidence and severity of adverse events with erdafitinib; optimal monitoring and management strategies
- Ongoing studies evaluating erdafitinib alone or in combination with other systemic therapies in UBC
- Faculty cases

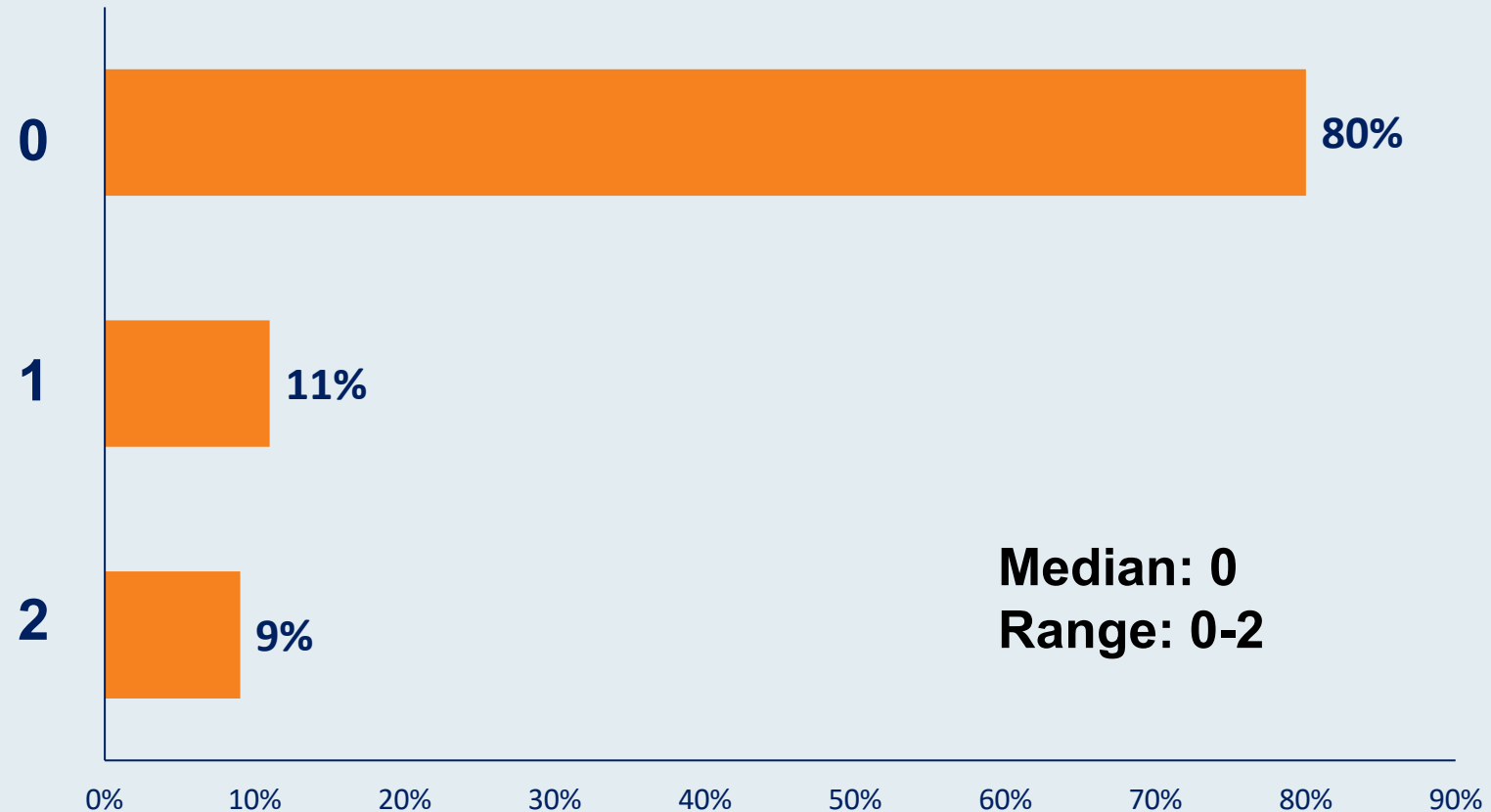
Module 2: Non-Muscle-Invasive Bladder Cancer; First- and Second-Line Therapy for mUBC

- Use of immunotherapy for BCG-refractory non-muscle-invasive bladder cancer
- Immunotherapy for mUBC: IMvigor130, DANUBE, JAVELIN Bladder 100
- Faculty cases

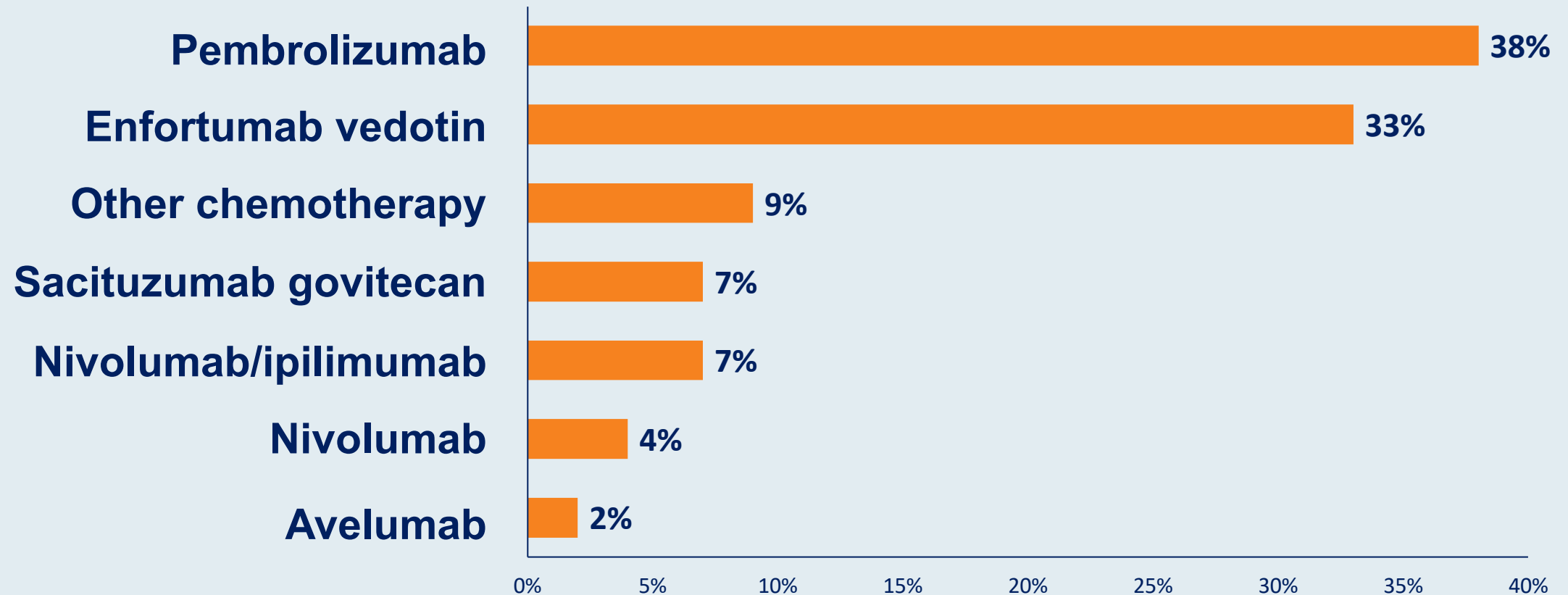
For approximately how many patients in your practice with mUBC have you utilized enfortumab vedotin?



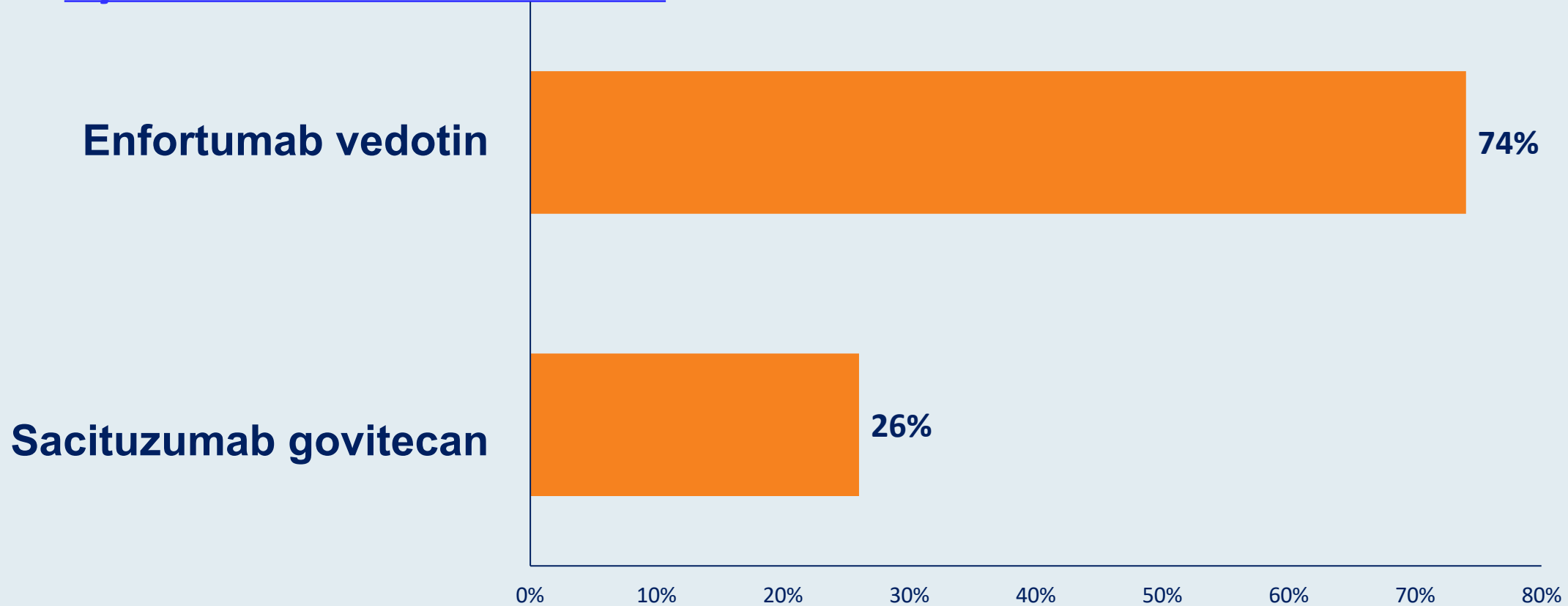
For approximately how many patients in your practice with mUBC have you utilized sacituzumab govitecan?



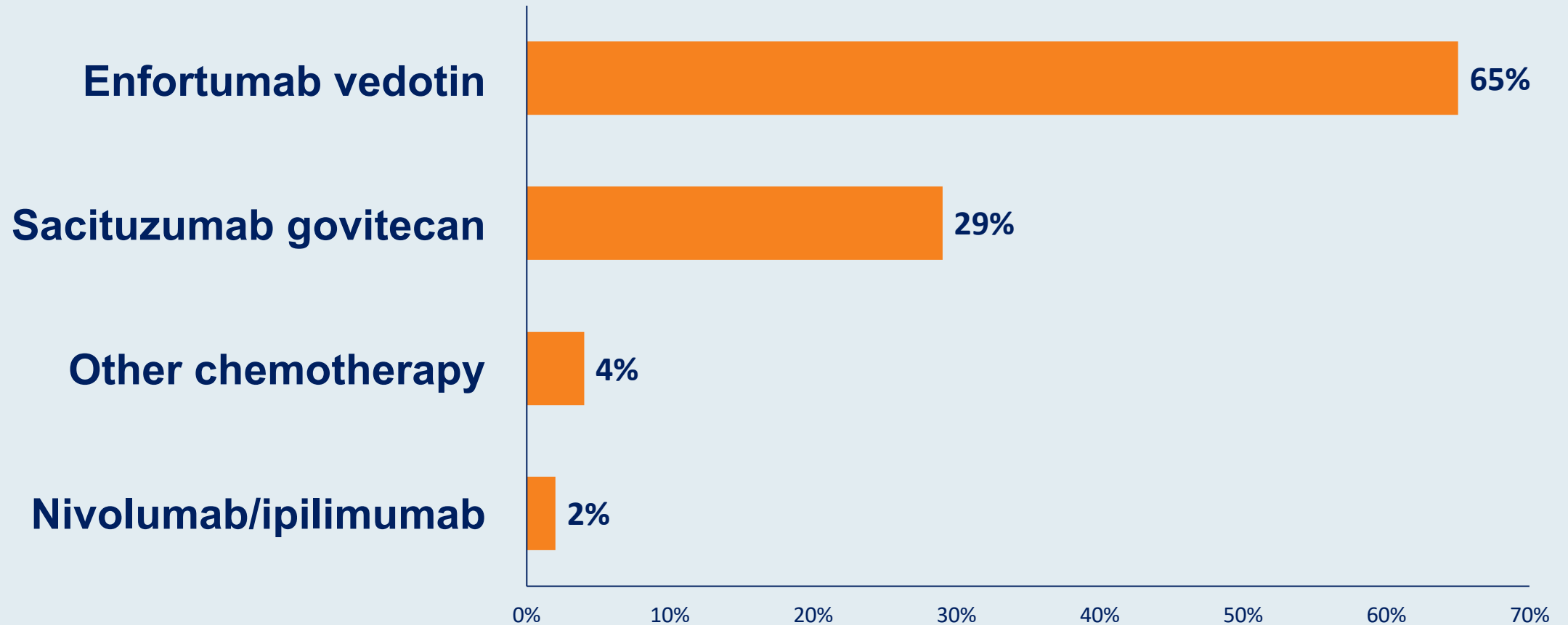
What would you generally recommend for a 65-year-old patient who experiences disease recurrence in the liver 9 months after cystectomy and adjuvant chemotherapy for muscle-invasive FGFR wild-type UBC?



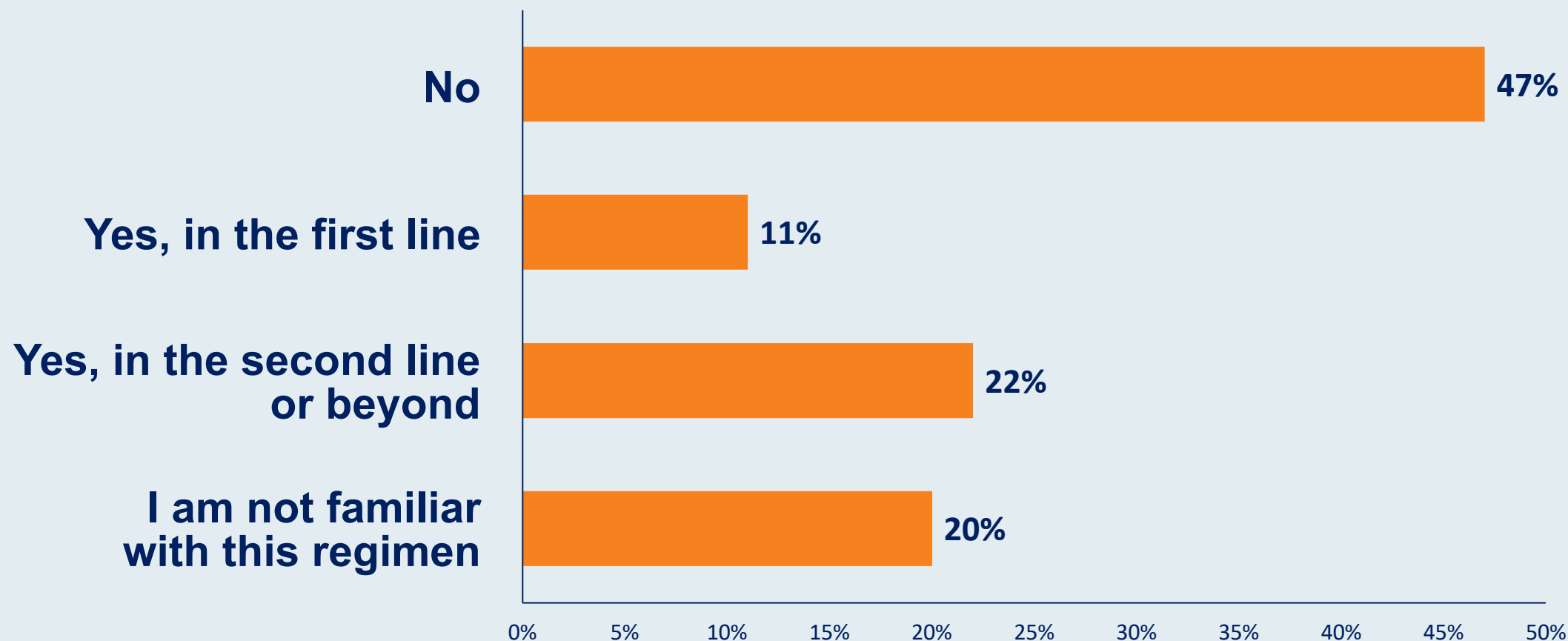
What would you generally recommend as second-line therapy for a 65-year-old patient with metastatic FGFR wild-type UBC to the liver whose disease progresses on first-line cisplatin/gemcitabine followed by avelumab maintenance?



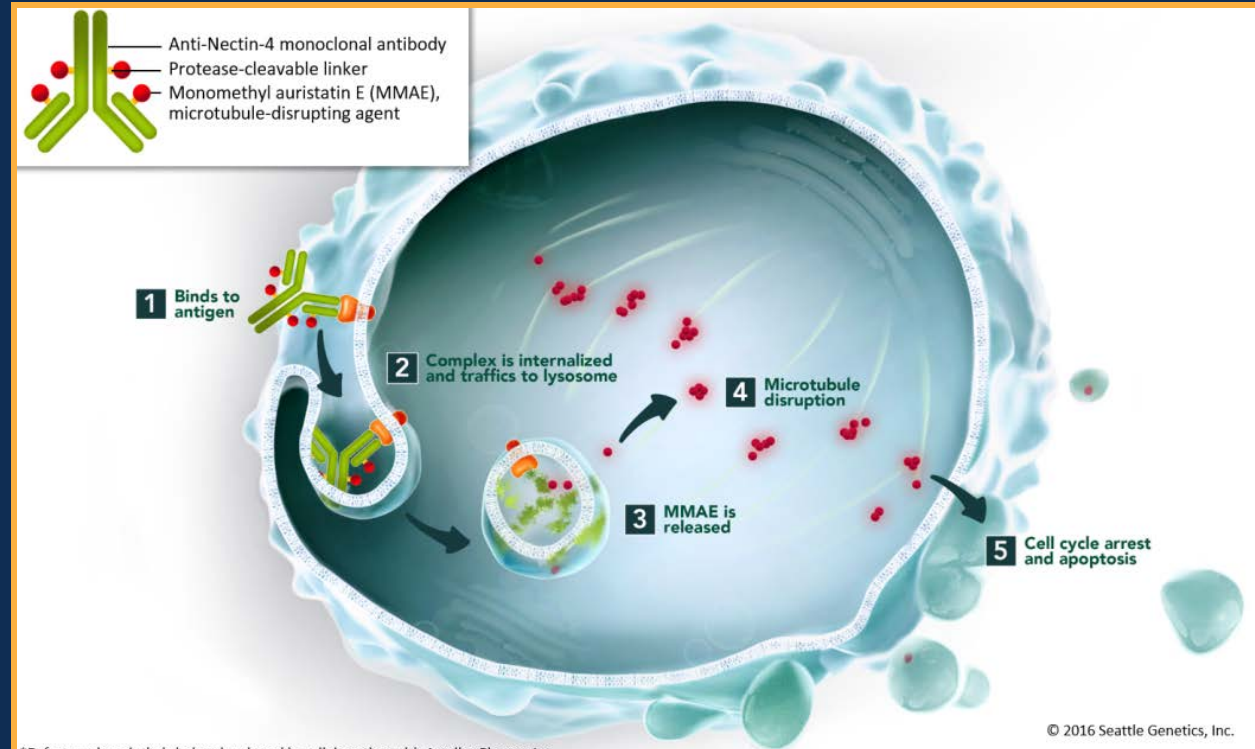
What would you generally recommend as second-line therapy for an 80-year-old patient with FGFR wild-type UBC metastatic to the liver whose disease progresses on first-line pembrolizumab?



Regulatory and reimbursement issues aside, would you administer pembrolizumab in combination with enfortumab vedotin to a patient with mUBC outside of a protocol setting?



Enfortumab Vedotin: Proposed Mechanism of Action



Enfortumab Vedotin is being co-developed by Seattle Genetics, Inc. and Astellas Pharma Inc.

Courtesy of Daniel P Petrylak, MD

EV-201 Cohort 2: Best Overall Response with Enfortumab Vedotin per BICR

ORR per RECIST v 1.1 assessed by BICR	Patients (N=89) %
Confirmed ORR, 95% CI ¹	52 (40.8, 62.4)
Best overall response ²	
Confirmed complete response	20
Confirmed partial response	31
Stable disease	30
Progressive disease	9
Not evaluable ³	9

ORR = Objective Response Rate; RECIST = Response Evaluation Criteria in Solid Tumors; BICR = Blinded Independent Central Review

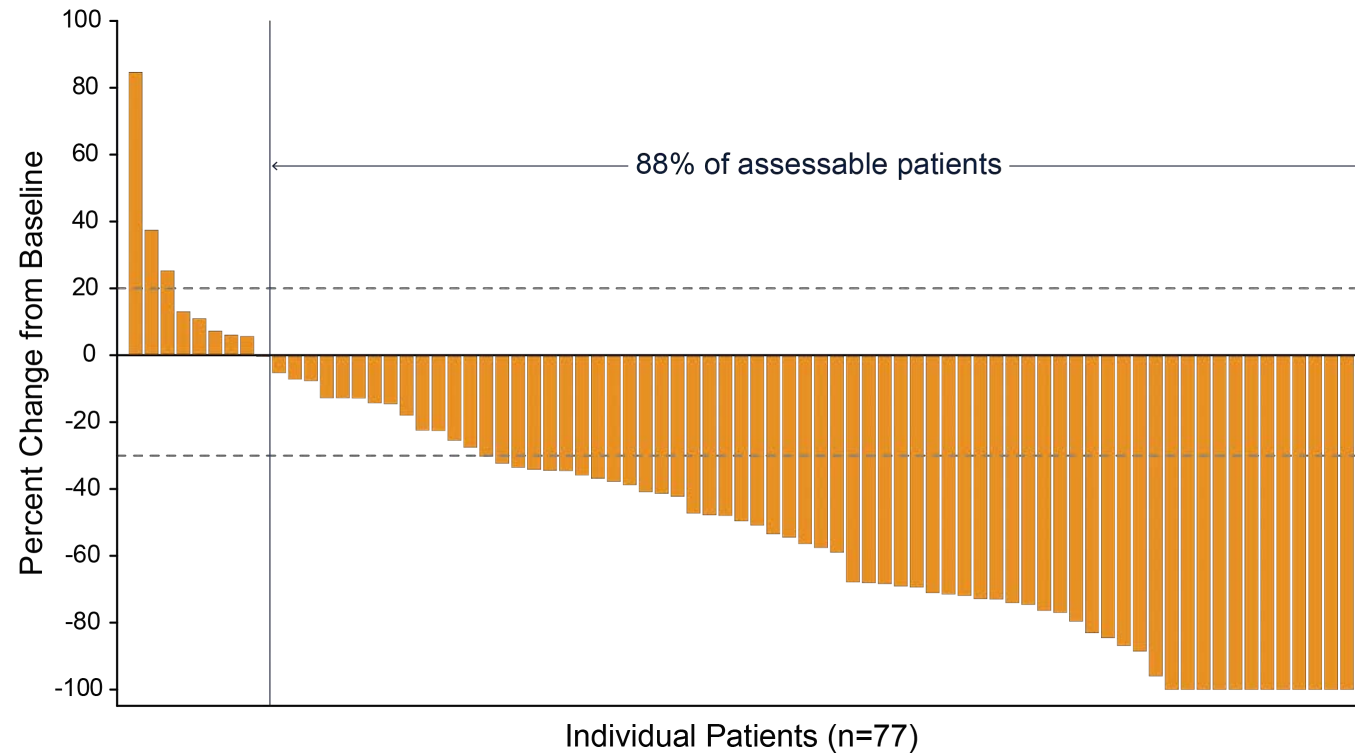
¹CI = Confidence Interval, Computed using the Clopper-Pearson method

²Best overall response according to RECIST v1.1. Complete response and partial response were confirmed with repeat scans ≥ 28 days after initial response.

³Includes five subjects who did not have response assessment post-baseline, two subjects whose post-baseline assessment did not meet the minimum interval requirement for stable disease, and one subject whose response cannot be assessed due to incomplete anatomy.

Courtesy of Daniel P Petrylak, MD

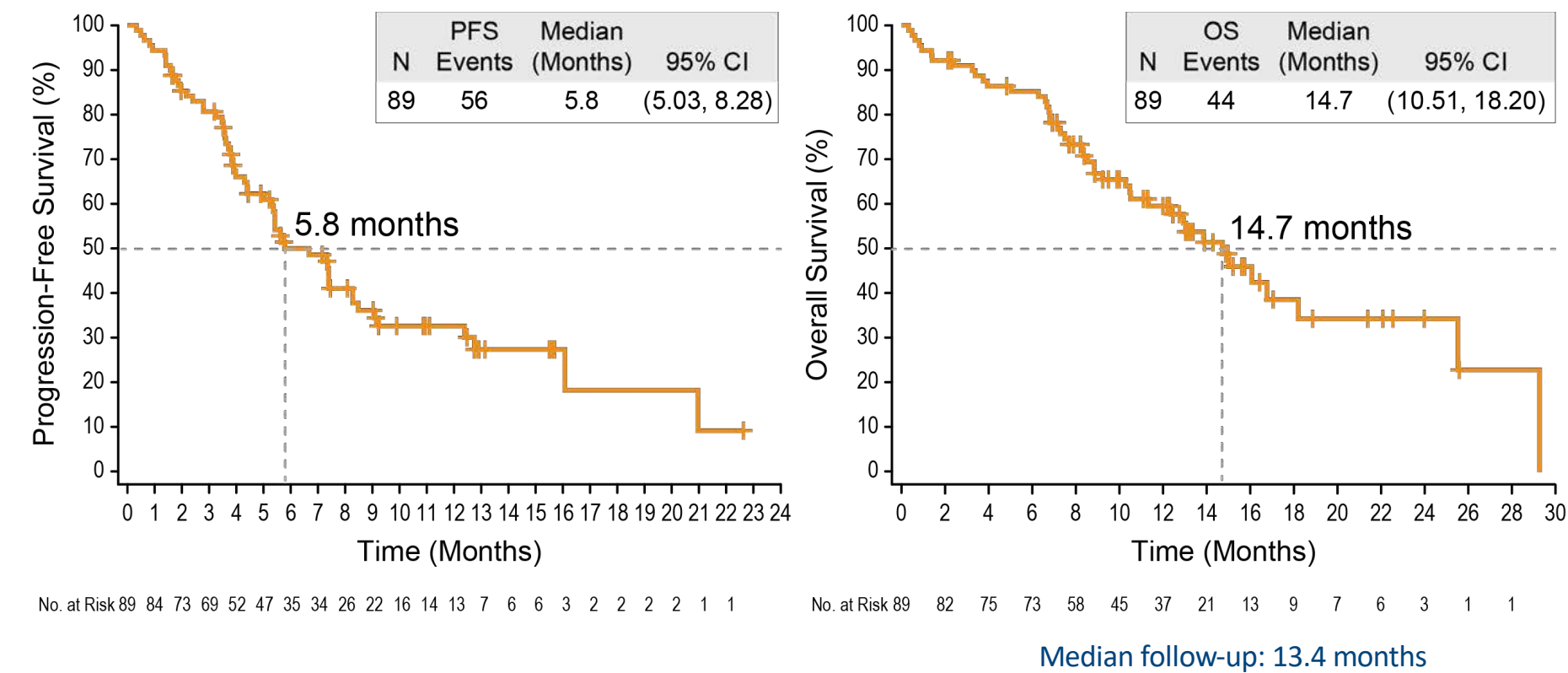
EV-201 Cohort 2: Change in Tumor Measurements per BICR



Data are not available for 12 subjects due to no response assessment post-baseline (n=5), incomplete assessment of target lesions post-baseline (n=1), or no measurable disease at baseline per BICR (n=6).

Courtesy of Daniel P Petrylak, MD

EV-201 Cohort 2: Progression-Free Survival and Overall Survival



Courtesy of Daniel P Petrylak, MD

EV-201 Cohort 2: Treatment-Related Adverse Events of Special Interest

Skin Reactions

61% any grade, 17% \geq Grade 3

Median Onset = 0.5 months²

% resolution/improvement³ = 80%

- No Grade 5 events, 1 Grade 4 event
- 13 patients with severe cutaneous adverse reactions⁴
 - Most \leq Grade 2, no Grade 4 or 5 events
 - 4 patients with Grade 3 events: stomatitis, skin exfoliation, dermatitis bullous, dermatitis exfoliative generalised
 - 1 discontinuation due to severe cutaneous adverse reaction

Peripheral Neuropathy

54% any grade, 8% \geq Grade 3

Median Onset = 2.4 months

% resolution/improvement³ = 56%

- PN rate was similar in patients with and without pre-existing PN (53% vs 54%)

Hyperglycemia

10% any grade, 6% \geq Grade 3

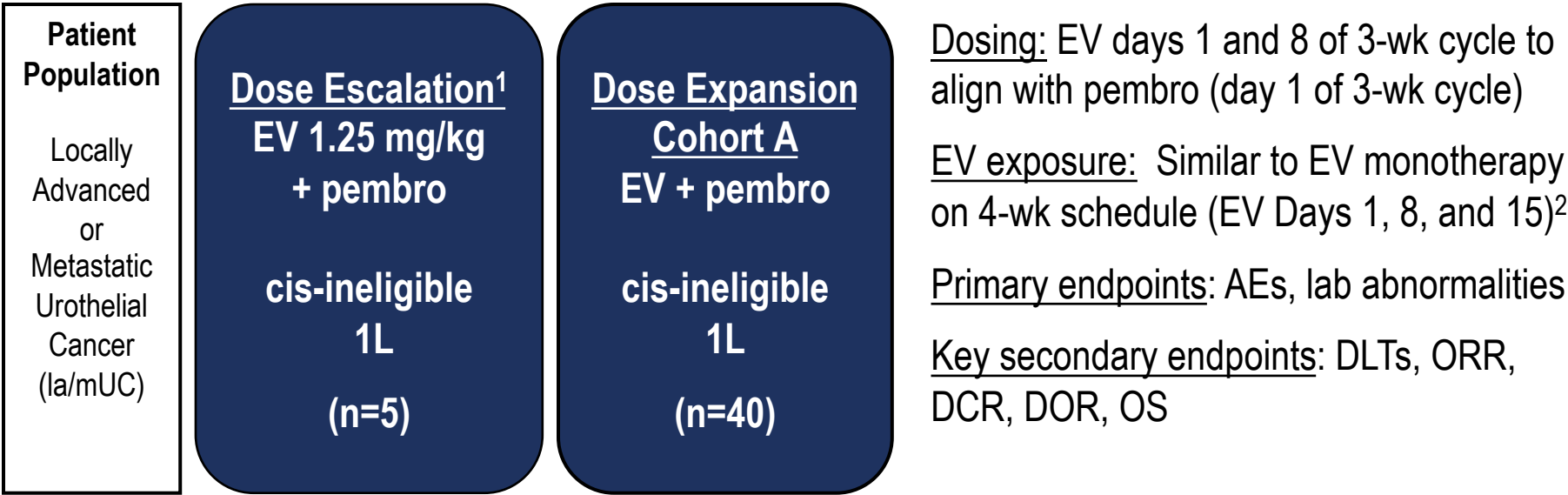
Median Onset = 0.5 months²

% resolution/improvement³ = 89%

- Higher rate of HG in patients with pre-existing HG than those without pre-existing HG (20% vs. 7%)
- Higher rate of HG in patients with BMI \geq 30 kg/m² than those with BMI <30 kg/m² (23% vs. 8%)

EV-103: ENFORTUMAB VEDOTIN + PEMBROLIZUMAB COHORTS

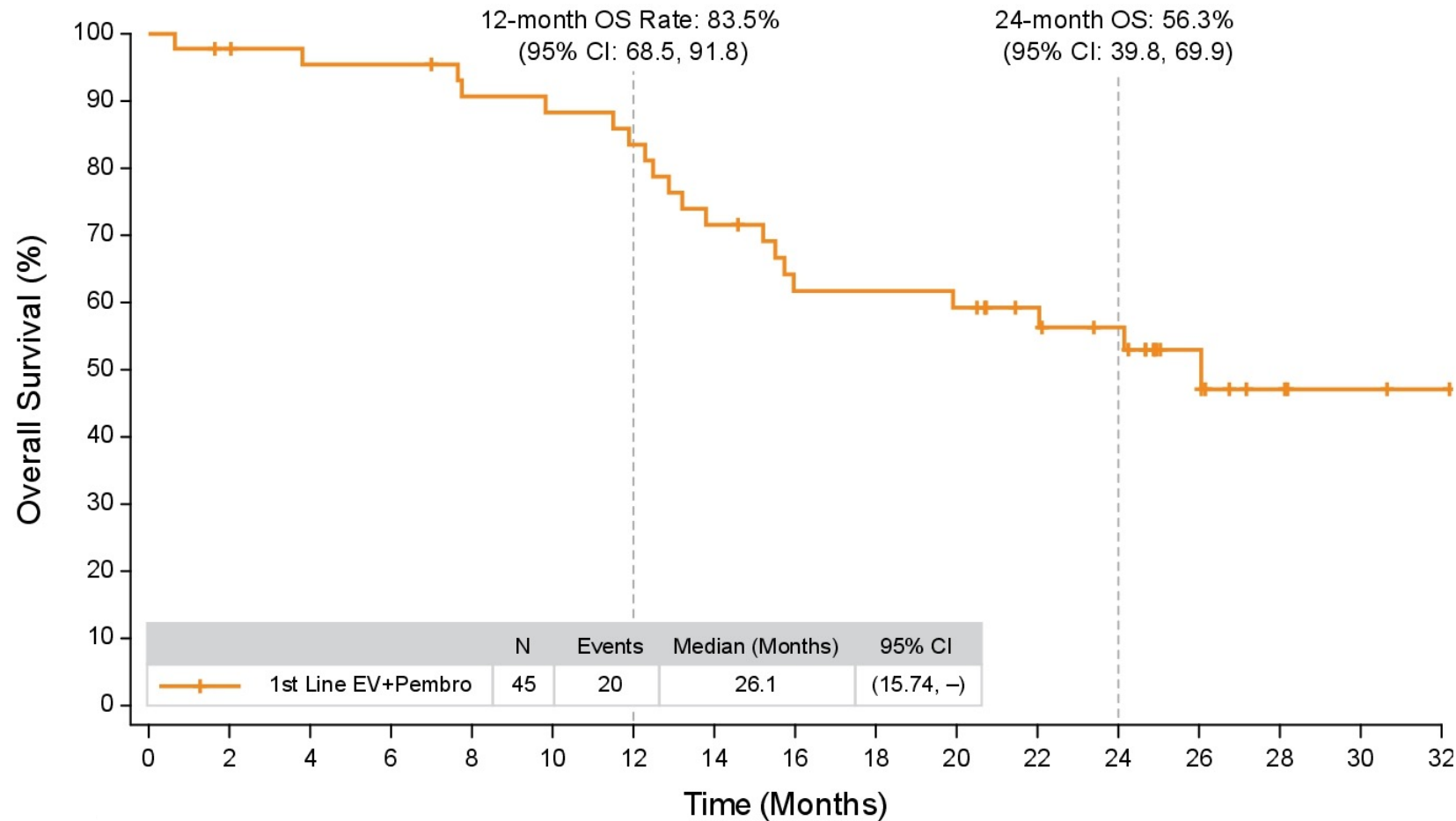
EV 1.25 mg/kg + pembrolizumab (200 mg) in 1L la/mUC patients



¹ Not included in the current analysis: three 1L patients treated with EV 1 mg/kg + pembro 200 mg and two 2L patients treated with EV 1.25 mg/kg + pembro 200 mg

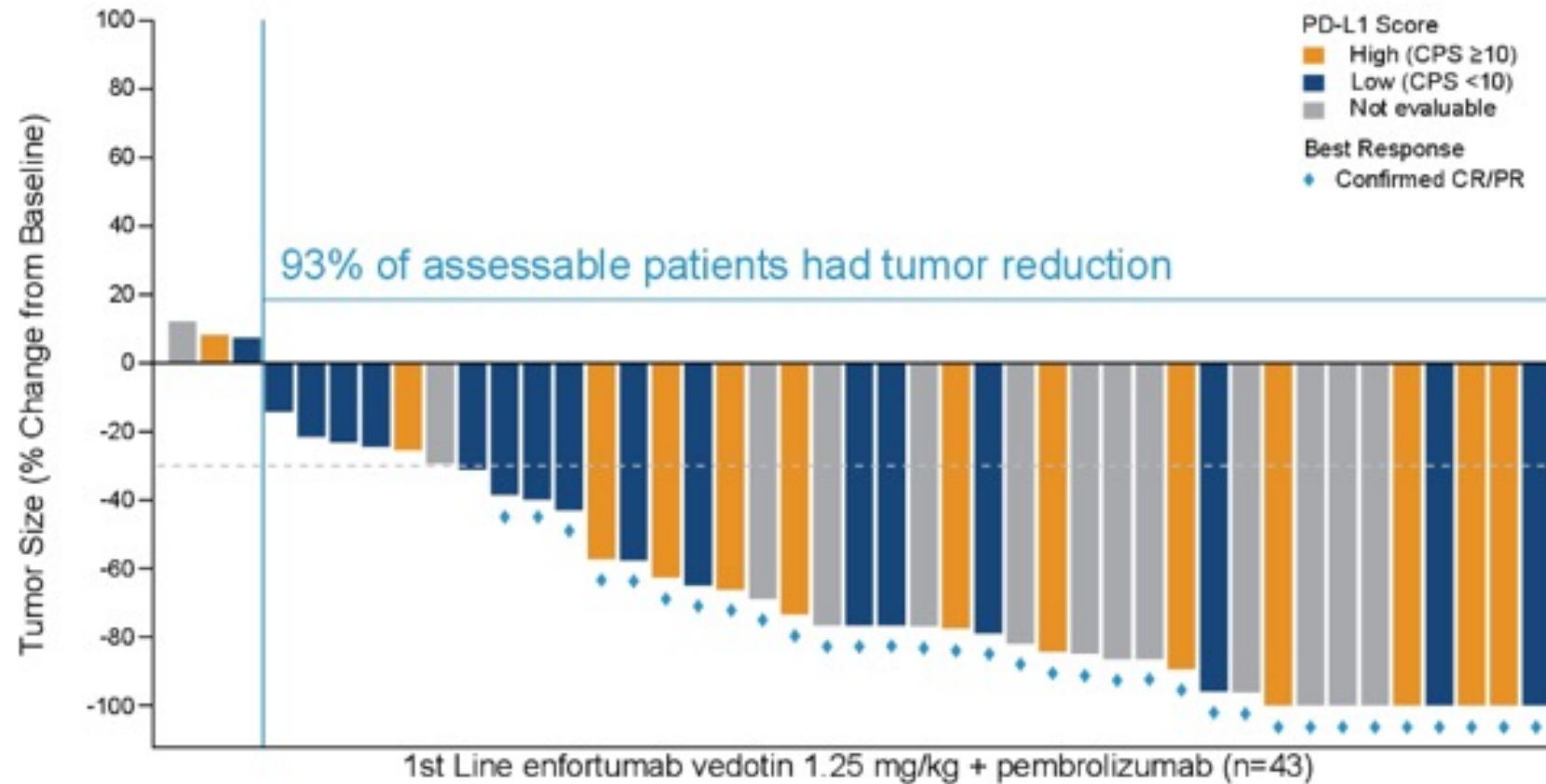
² Rosenberg et al. *J Clin Oncol*. Epub July 2019

EV-103: Updated Survival Data



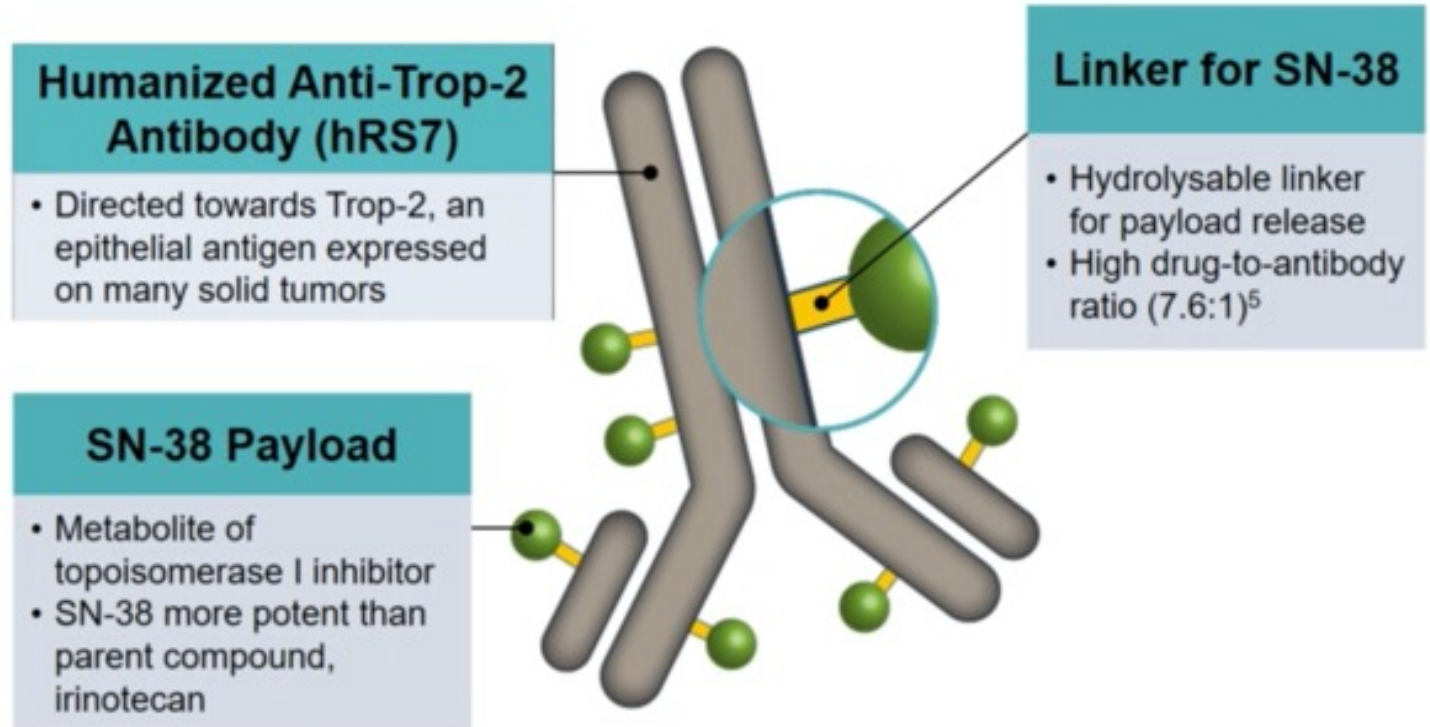
Median survival 26.1 months with a median follow-up of 24.9 months

EV-103: Response



Sacituzumab Govitecan (SG) Is a Trop-2–Directed Antibody-Drug Conjugate (ADC)

- Trop-2 is an epithelial cell surface antigen highly expressed in UC¹
- SG is distinct from other ADCs²⁻⁶:
 - High drug-to-antibody ratio⁵
 - Linker hydrolysis releases SN-38 intracellularly and in the tumor microenvironment^{6a}
- SG has shown significant activity across tumor types^{3,7-10}
 - Breakthrough therapy designation for mTNBC; accelerated approval submission pending
 - Phase 3 trials ongoing in breast cancer



*Sacituzumab govitecan-bound tumor cells are killed by intracellular uptake of SN-38, and adjacent tumor cells are killed by SN-38 released extracellularly. mTNBC, metastatic triple-negative breast cancer; pts, patients; Trop-2, trophoblast cell surface antigen 2; UC, urothelial cancer. 1. Avellini et al. *Oncotarget* 2017; 2. Starodub et al. *Clin Cancer Res* 2015; 3. Cardillo et al. *Clin Cancer Res*. 2011; 4. Sharkey et al. *Clin Cancer Res*. 2015; 5. Cardillo et al. *Bioconjugate Chem*. 2015; 6. Govindan et al. *Mol Cancer Ther*. 2013; 7. Faltas et al. *Clin Genitourin Cancer*. 2016; 8. Bardia et al. *J Clin Oncol*. 2017; 9. Bardia et al. *N Engl J Med*. 2019; 10. Tagawa et al. *J Clin Oncol*. 2019.

Courtesy of Daniel P Petrylak, MD

TROPHY-U-01 Cohort 1: Responses with Sacituzumab Govitecan

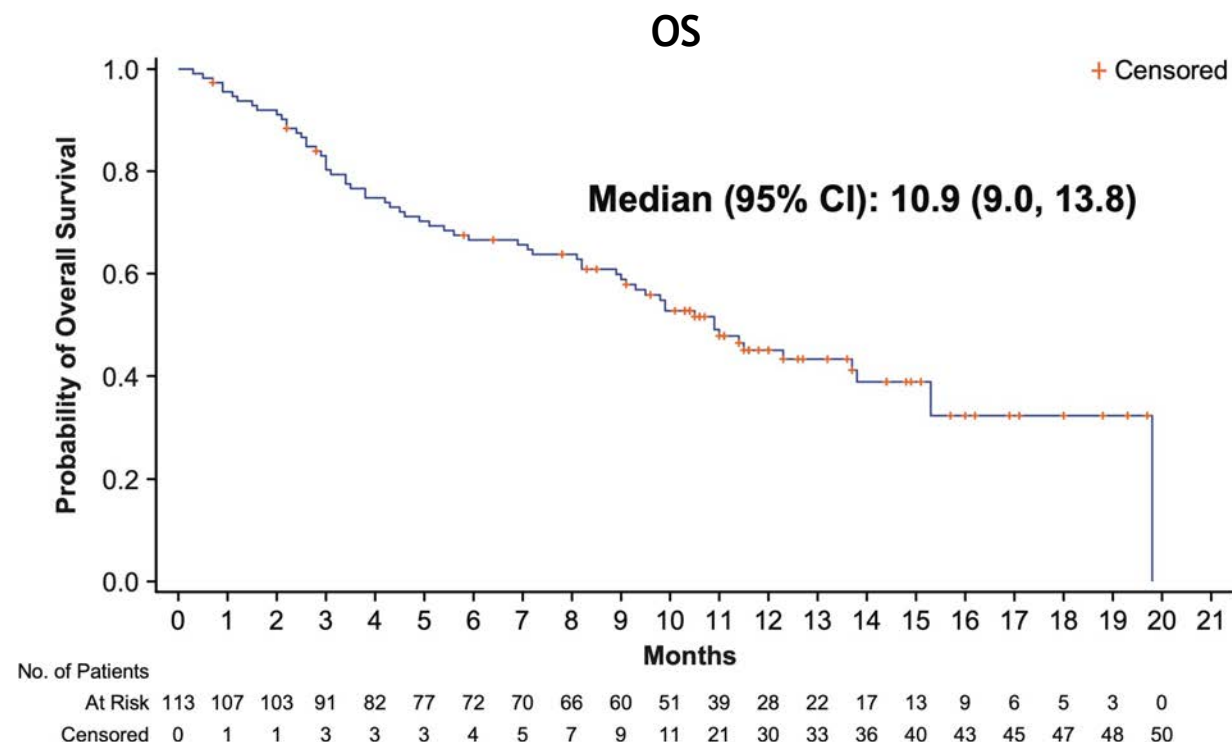
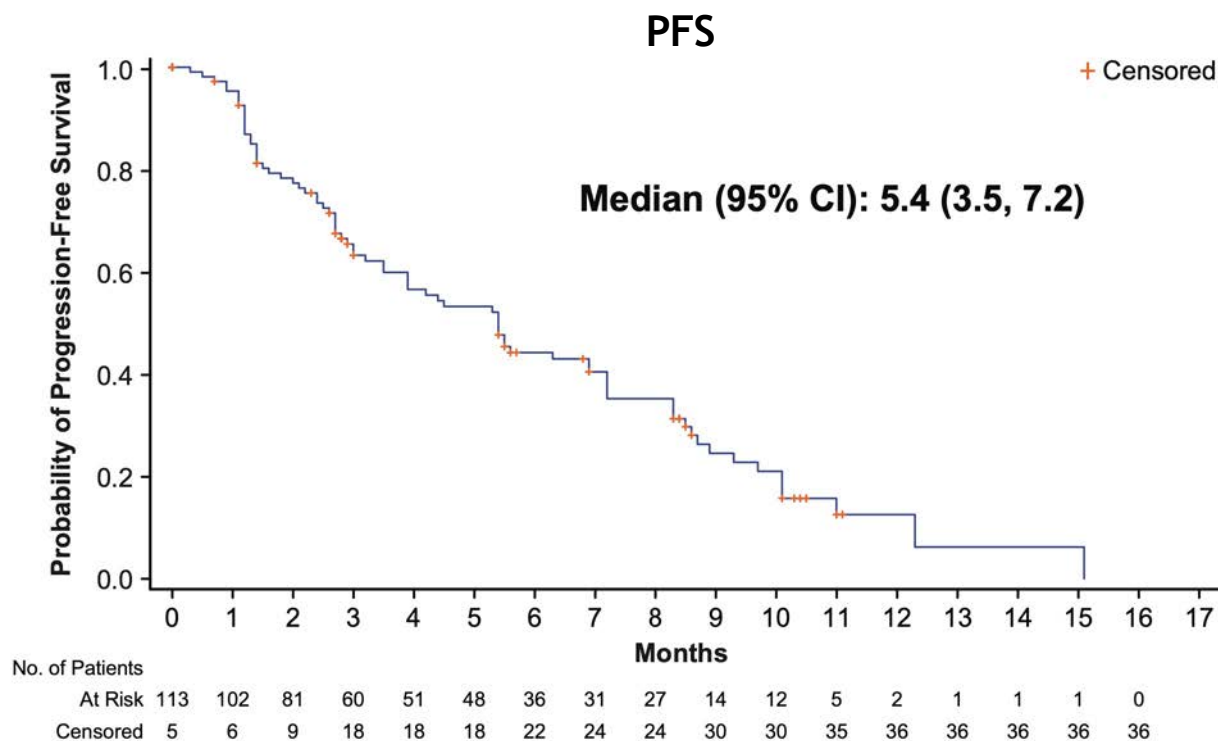
	Sacituzumab Govitecan (n=113)
Overall Response Rate	
ORR, n (%) [95% CI]	31 (27.4) [19.5, 36.6]
CR, n (%)	6 (5.3)
PR, n (%)	25 (22.1)
Response duration	
mDOR, months	7.2
95% CI	4.7-8.6
Range	1.4-13.7

Subjects with visceral metastasis involving the liver had an ORR of 31.6% compared with 25.3% in those without liver involvement

^a Assessments were per blinded independent review assessment, RECIST v1.1.

CR, complete response; mDOR, median duration of response; ORR, objective response rate; PR, partial response; RECIST v1.1, Response Evaluation Criteria in Solid Tumors version 1.1. Tagawa ST, et al. TROPHY-U-01: A Phase 2 Open-label Study of Sacituzumab Govitecan in Patients With Metastatic Urothelial Carcinoma Progressing After Platinum-based Chemotherapy and Checkpoint Inhibitors. *J Clin Oncol*. 2021. In press.

TROPHY-U-01 Cohort 1: Survival Outcomes

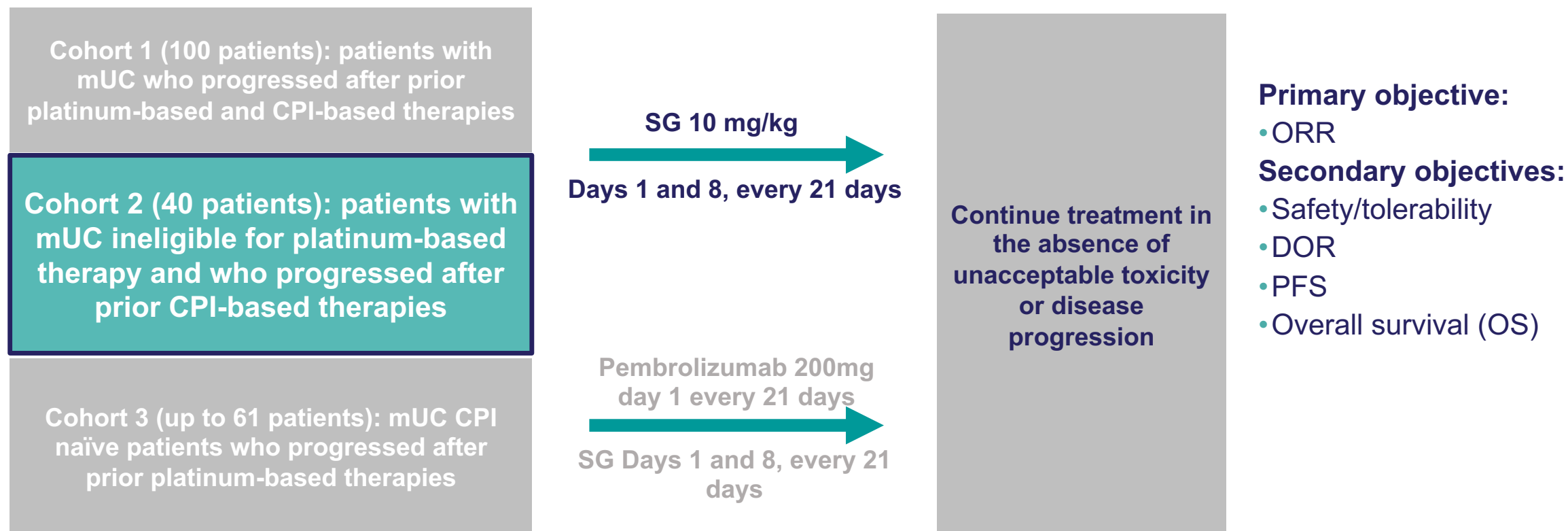


TROPHY-U-01 Cohort 1: Treatment-Related AEs (≥20% Any Grade or ≥5% Grade ≥3 [n=113])

Category	Event	All Grades (%)	Grade 3 (%)	Grade 4 (%)
Hematologic ^a	Neutropenia	46	22	12
	Leukopenia	25	12	5
	Anemia	33	14	0
	Lymphopenia	11	5	2
	Febrile neutropenia	10	7	3
Gastrointestinal	Diarrhea ^b	65	9	1
	Nausea	60	4	0
	Vomiting	30	1	0
General disorders & administrative site conditions	Fatigue	52	4	0
Skin & subcutaneous tissue	Alopecia	47	0	0
Metabolism & nutrition	Decreased appetite	36	3	0
Infections & infestations	Urinary tract infection	8	6	0

- 6% (n=7) of patients discontinued Sacituzumab Govitecan due to adverse events
 - 4 patients discontinued due to neutropenia
- 30.1% G-CSF usage
- One treatment-related death (sepsis due to febrile neutropenia)

Figure 3. TROPHY-U-01: Phase II trial of SG in stage IV urothelial cancer after failure of a platinum-based regimen and/or anti-PD-1/PD-L1-based therapies



CPI therapy (includes anti-PD-1/anti-PD-L1–based therapies).

CPI, checkpoint inhibitor; DOR, duration of response; mUC, metastatic urothelial cancer; ORR, objective response rate; OS, overall survival; PD-1, programmed cell death-1; PD-L1, programmed death-ligand 1; PFS, progression-free survival. EudraCT Number: 2018-001167-23; ClinicalTrials.gov Number: NCT03547973; IMMU-132-06 study.

Courtesy of Daniel P Petrylak, MD

TROPHY-U-01 (Cohort 2): Exposure and Response Outcomes

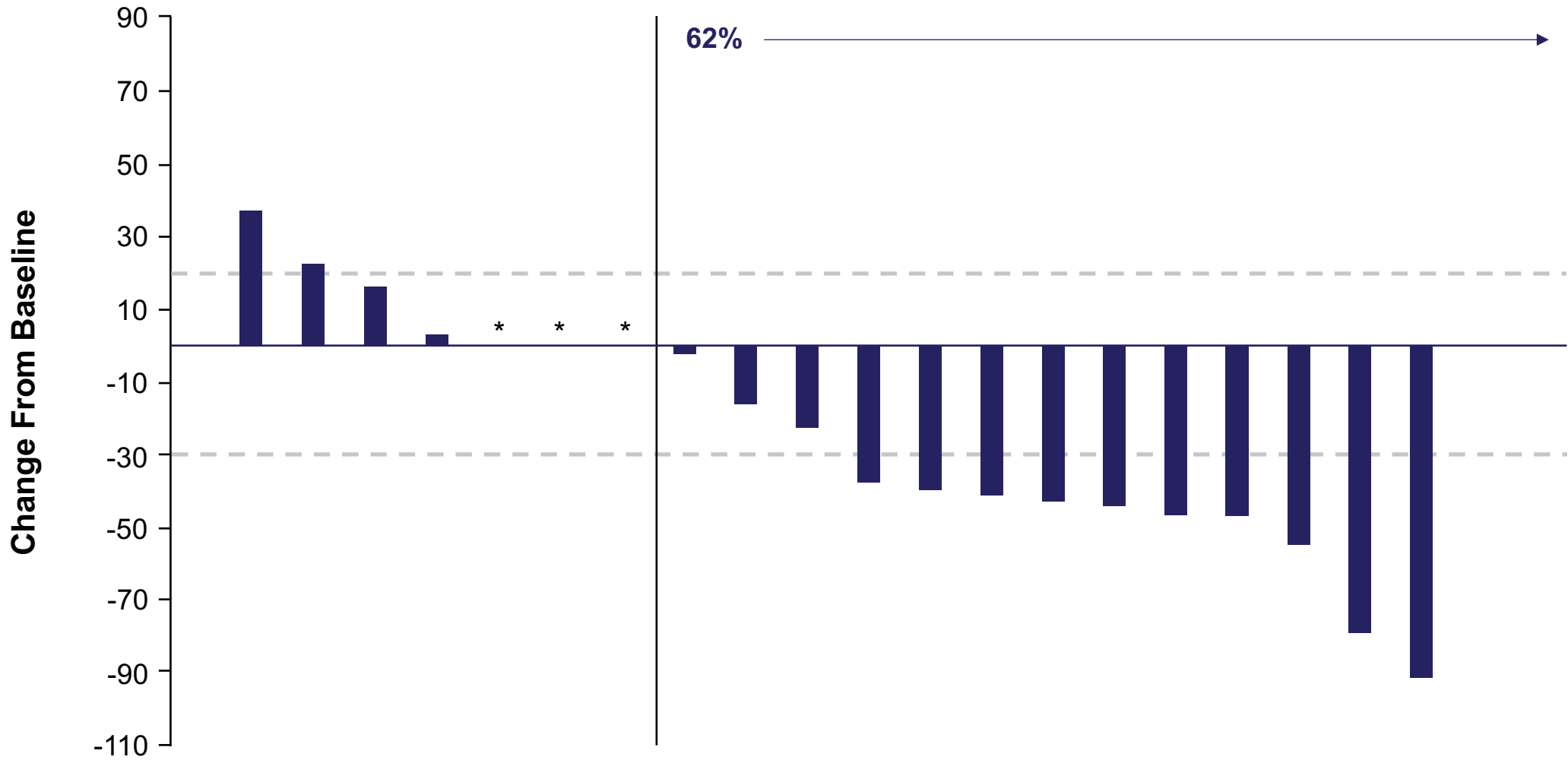
- Median treatment cycles (range): 5 (1-15)
- Median duration of treatment (range): 4.5 months (0.3 – 15.6)
- Median Dose intensity: 92%
- At a median follow-up of 6.8 months, ORR was 29% (6/21) with 6 confirmed PRs

Response Outcomes	
Endpoint	N=21
Median (range) follow-up, mon	6.8 (1.6–18.9)
Patients continuing treatment, n (%)	9 (43)
ORR, n (%) [95% CI]	6 (29) [12–54]
CR, n (%)	0 (0)
PR, n (%)	6 (29)
SD, n (%)	10 (48)
Median TTR, (range), mon	1.3 (1.1–1.5)
CBR, n (%) [95% CI]	7 (33) [15–59]
Median DOR (95% CI), mon	NR (4.3–NR)

CBR, clinical benefit rate defined as CR + uCR + PR + uPR or (SD \geq 6 months); CI, confidence interval; DOR, duration of response; mon, month; NR, not reached; ORR, objective response; PR, partial response; SD, stable disease; TTR, time to response

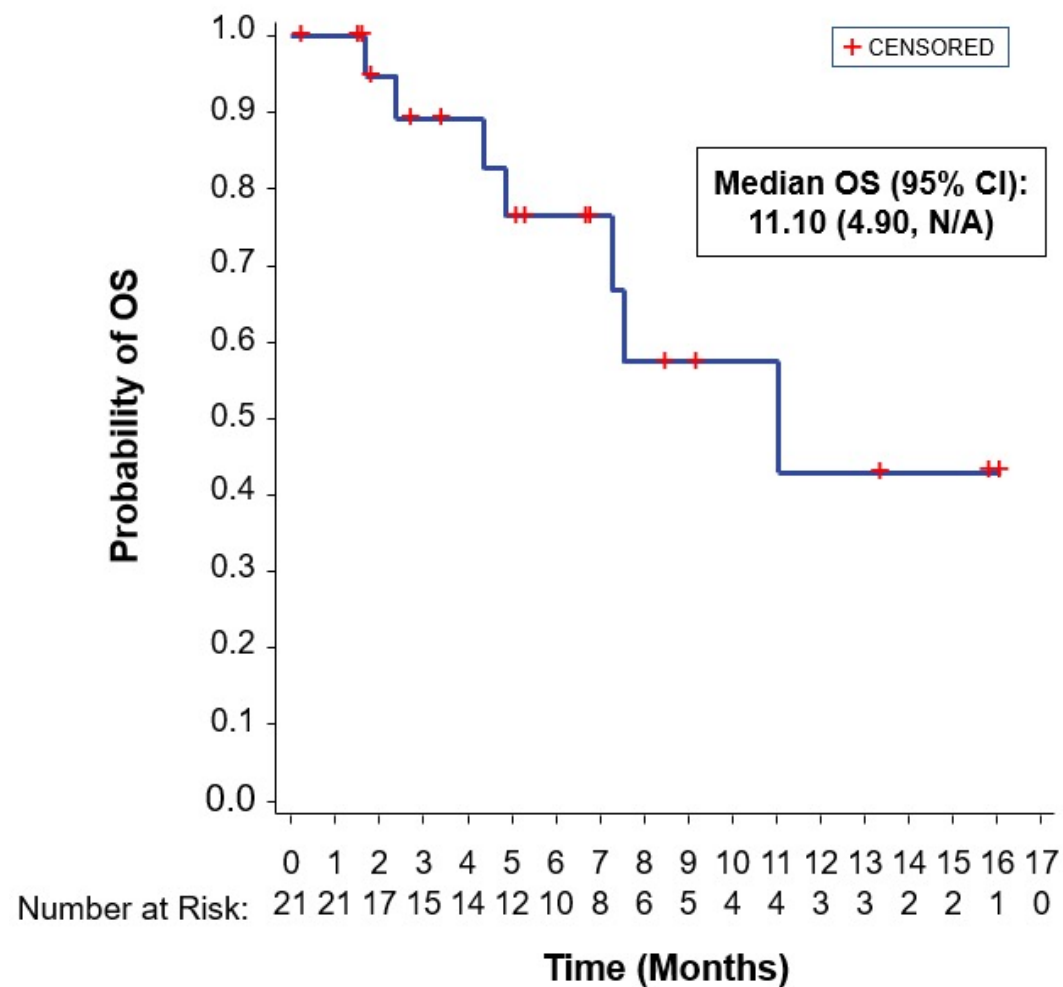
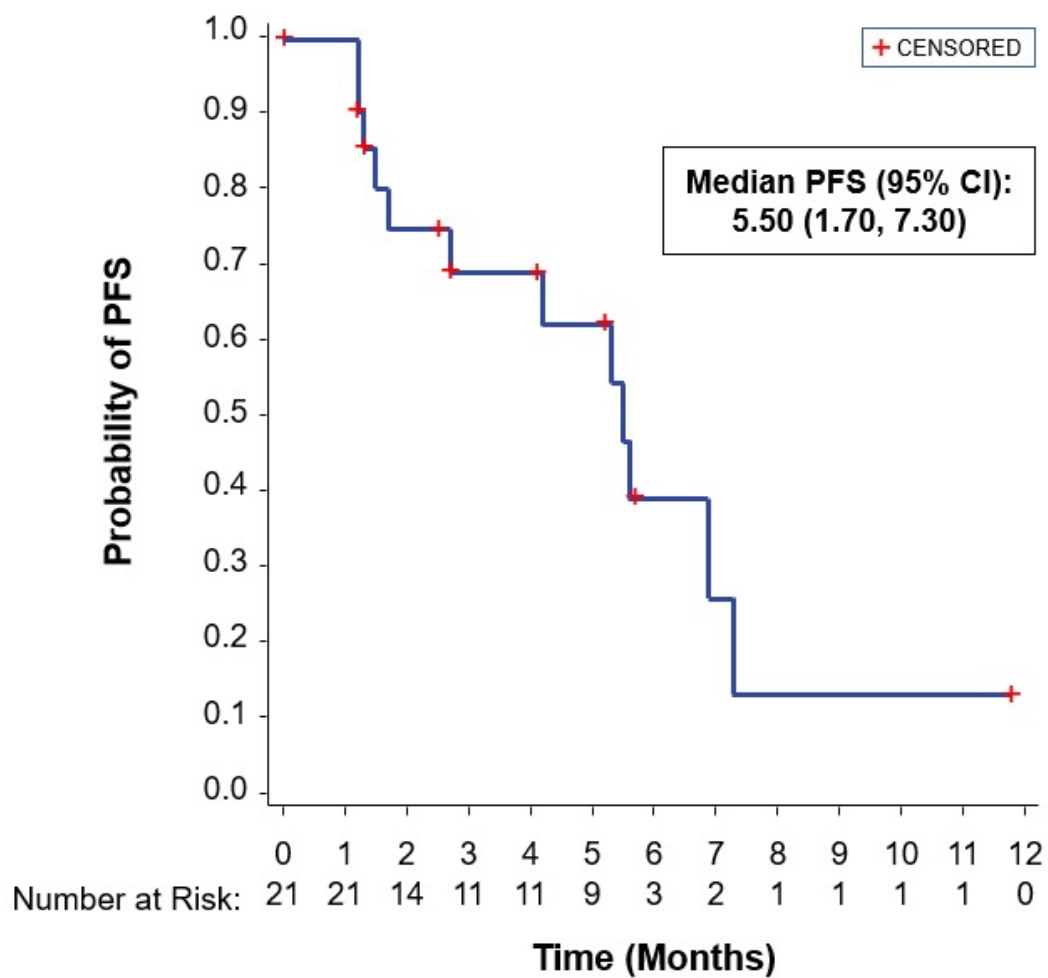


**TROPHY-U-01 (Cohort 2):
62% (13/21) of Patients Demonstrated a Reduction in Tumor Size**



*Denotes patients who had a 0% change from baseline in tumor size. One patient had only screening data and thus is not represented.

TROPHY-U-01 (Cohort 2): Survival Outcomes



- At this early follow-up, the median PFS and OS compare favorably to current standards of care for platinum-ineligible patients with mUC who have progressed after CPI therapy
- The OS rate (95% CI) at 6 months and 12 months was: 76.4% (48.4–90.5) and 43.0% (13.1–70.4), respectively



Case Presentation – Dr Petrylak: A 67-year-old woman with high-grade UBC

- 67-year-old female
- Gross hematuria 2014; CT scan abdomen/pelvis demonstrated paraaortic adenopathy, right renal pelvis mass; bx of right renal pelvis mass demonstrated high-grade urothelial cancer
- Underwent 4 cycles of gemcitabine/cisplatin, adenopathy resolved, right nephroureterectomy 12/14/2014 demonstrated invasive urothelial cancer with rhabdoid and micropapillary features into perinephric fat, 10/15 lymph nodes positive
- CT scan 1/2015 demonstrated hepatic metastases

Case Presentation – Dr Petrylak: A 67-year-old woman with high-grade UBC (continued)

- Entered a clinical trial of ipilimumab/nivolumab for 28 cycles, best response PR. Progressed in liver 5/2016. Treatment complicated by pneumonia, pneumonitis treated with steroids.
- Started phase I trial of Enfortumab Vedotin 7/2016. Has been on therapy since that time but doses have been held due to neuropathy, LFT abnormalities and pneumonitis. She has a CR to therapy and is intermittently treated with 1.0 mg/kg for 3 out of 4 weeks.

Case Presentation – Dr Petrylak: A 61-year-old man with low-grade papillary UBC

- 61-year-old male with low-grade papillary urothelial cancer diagnosed in 2003, subsequently developed muscle invasion 12/2017. CT scan at that time demonstrated pulmonary metastases
- Underwent treatment with gemcitabine/cisplatin, 6 cycles. Best response - stable disease.
- Started pembrolizumab 10/2018; progressed in lung 4/2018

Case Presentation – Dr Petrylak: A 61-year-old man with low-grade papillary UBC (continued)

- Underwent 28 cycles of Sacituzumab Govitecan from 5/2019 to 1/2021, best response SD, progressed in lung 1/2021. Side effects included diarrhea, which resulted in dose delays
- Started Enfortumab Vedotin 2/2021, best response - SD. Progressed in 6/2021.
- FGFR3 positive, now on Erdafitinib

Case Presentation – Dr Petrylak: A 61-year-old man with previously treated metastatic bladder cancer

- 61-year-old male with past medical history of G1 neuropathy and RLE edema, with target lesions consisting of periportal, retroperitoneal, and mesenteric adenopathy
- Refractory to adjuvant tx: Cisplatin/gemcitabine
- Prior metastatic regimens:
 - Atezolizumab (24 mon)
 - Enfortumab vedotin (8 mon)
 - Pemetrexed (3 mon)
- **Confirmation of PR after cycle 4 with SG treatment^a**
 - **No worsening of neuropathy reported**
 - **Significant reduction in lower extremity edema**
 - **On treatment for 7 mon and ongoing at time of data cut-off**

Images provided by Daniel P. Petrylak from the Yale School of Medicine, New Haven, CT



Baseline CT



Follow-up CT
(after 10 cycles of SG)

70% reduction of target lesions

^aAssessed by investigator using RECISTv1.1.

CT, computed tomography; G1, grade 1; PR, partial response; RECIST, Response Evaluation Criteria In Solid Tumors; RLE, right leg extremity; SG, sacituzumab govitecan.

Courtesy of Daniel P Petrylak, MD

Agenda

Module 1: Treatment of Metastatic Urothelial Bladder Cancer (mUBC) – Third Line and Beyond

Part 1: Antibody-Drug Conjugates

- Enfortumab vedotin (EV) for progressive mUBC; potential clinical role in combination with pembrolizumab
- TROPY U-01: Sacituzumab govitecan for progressive mUBC; recent FDA approval
- Incidence, severity and management of adverse events with EV and sacituzumab govitecan
- Faculty cases

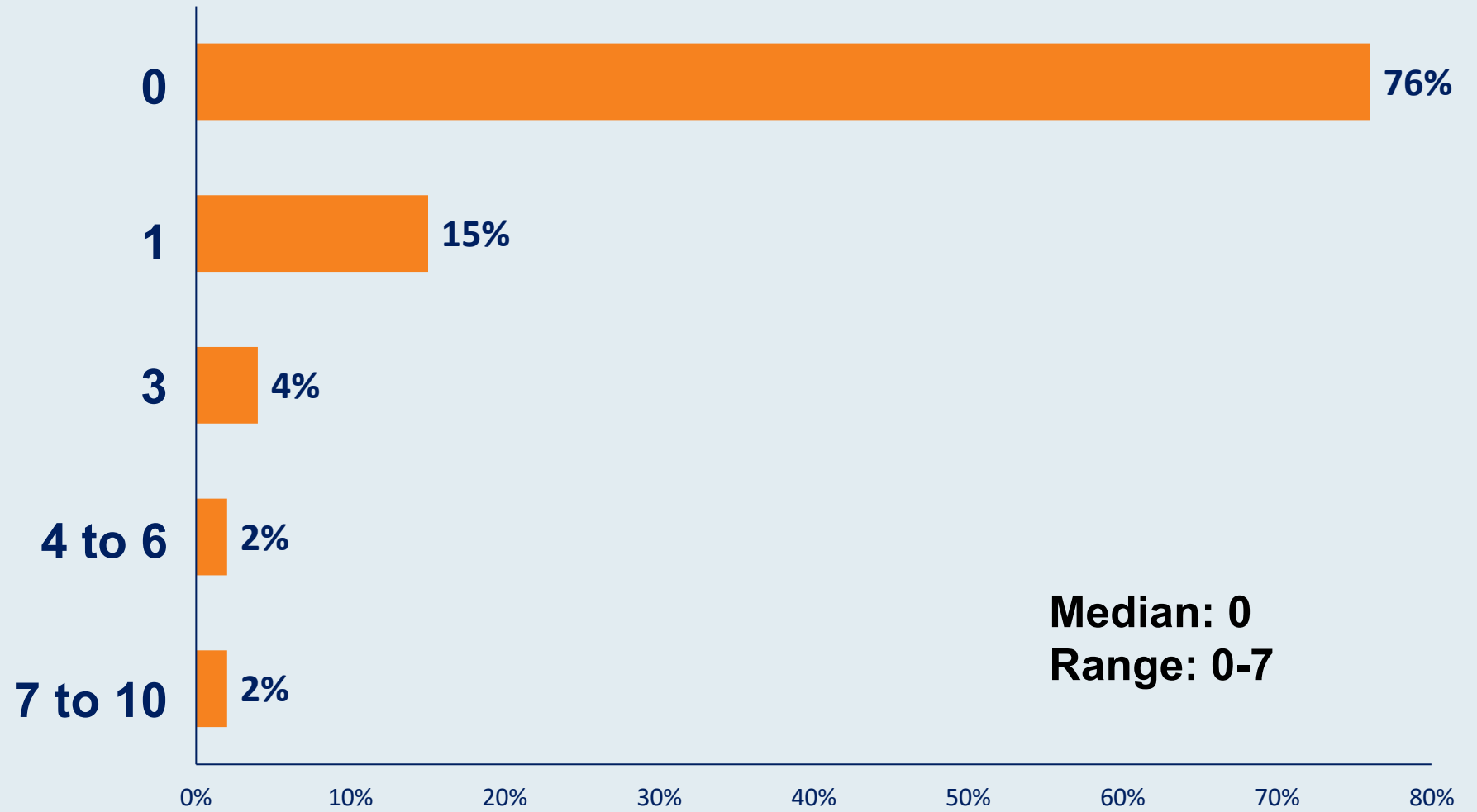
Part 2: FGFR-Targeted Therapies in Advanced UBC

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- Ongoing studies evaluating erdafitinib alone or in combination with other systemic therapies in UBC
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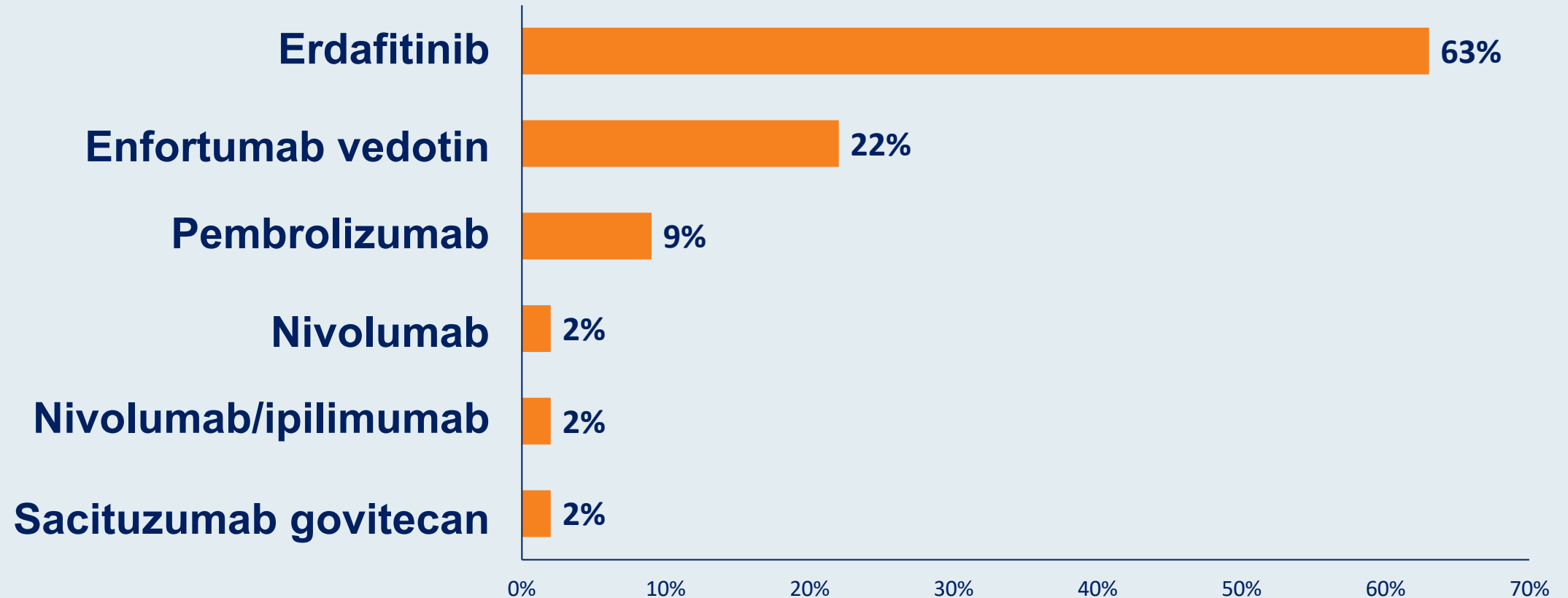
Module 2: Non-Muscle-Invasive Bladder Cancer; First- and Second-Line Therapy for mUBC

- Use of immunotherapy for BCG-refractory non-muscle-invasive bladder cancer
- Immunotherapy for mUBC: IMvigor130, DANUBE, JAVELIN Bladder 100
- Faculty cases

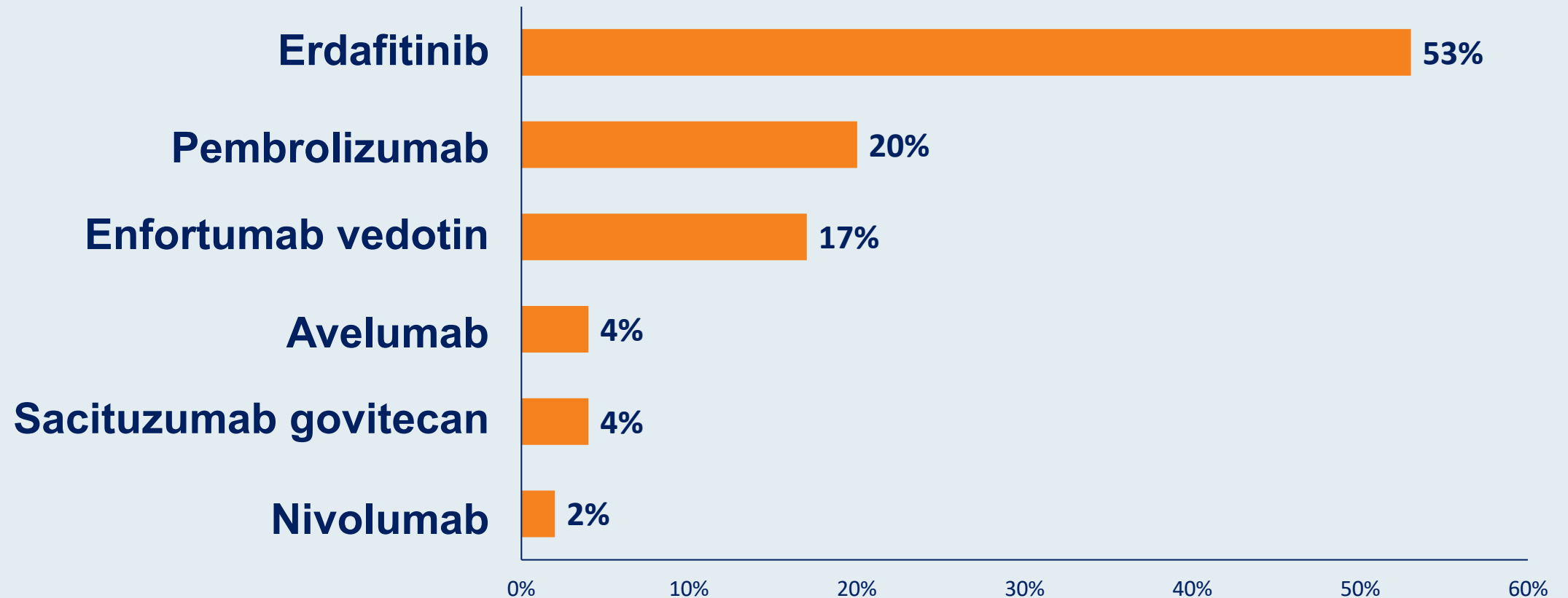
For approximately how many patients in your practice with mUBC have you utilized erdafitinib?



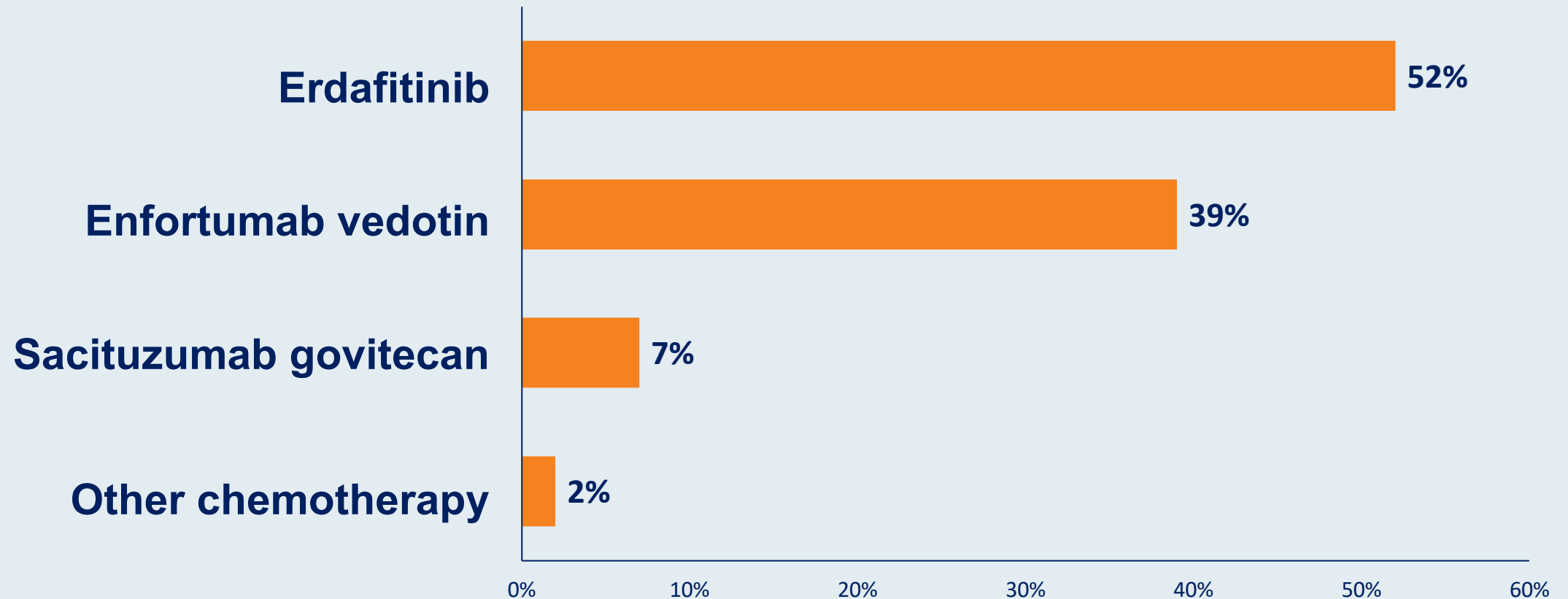
What would you generally recommend for a 65-year-old patient who experiences disease recurrence in the liver 9 months after cystectomy and adjuvant chemotherapy for muscle-invasive UBC who is found to have an FGFR3 mutation?



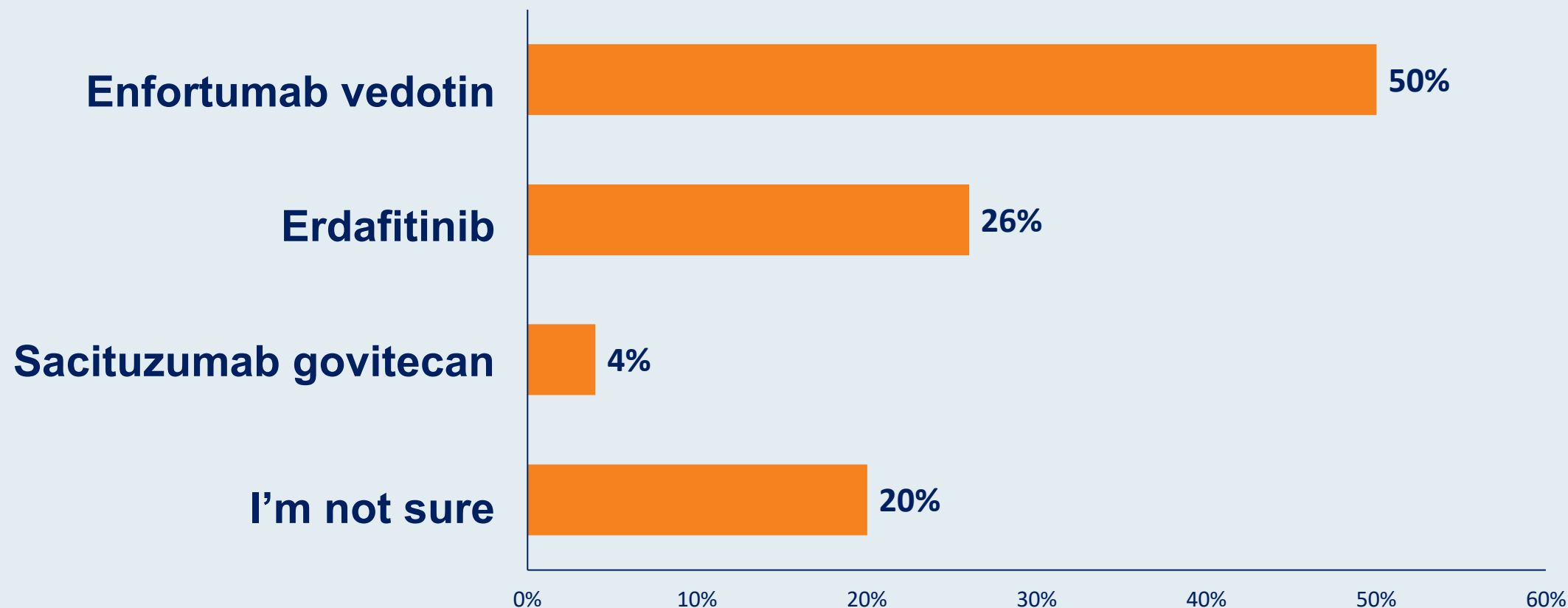
What would you generally recommend as second-line therapy for a 65-year-old patient with FGFR-mutated UBC metastatic to the liver whose disease progresses on first-line cisplatin/gemcitabine?



What would you generally recommend as second-line therapy for a 65-year-old patient with metastatic FGFR-mutated UBC to the liver whose disease progresses on first-line cisplatin/gemcitabine followed by avelumab maintenance?

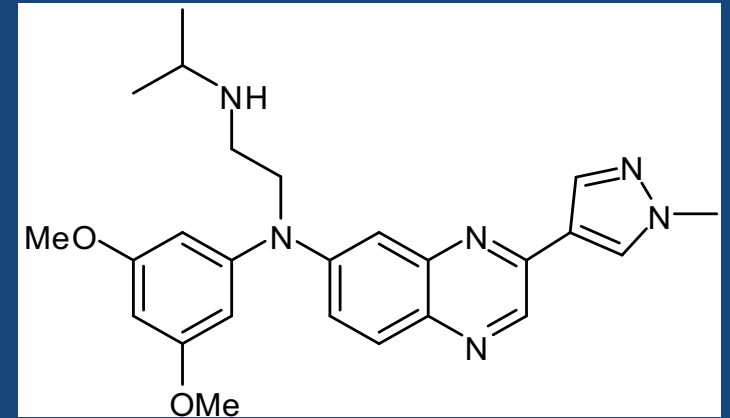


Which of the following would you generally recommend first for a patient with mUBC who is eligible to receive all 3 agents?



Erdafitinib Is a Potent FGFR Inhibitor

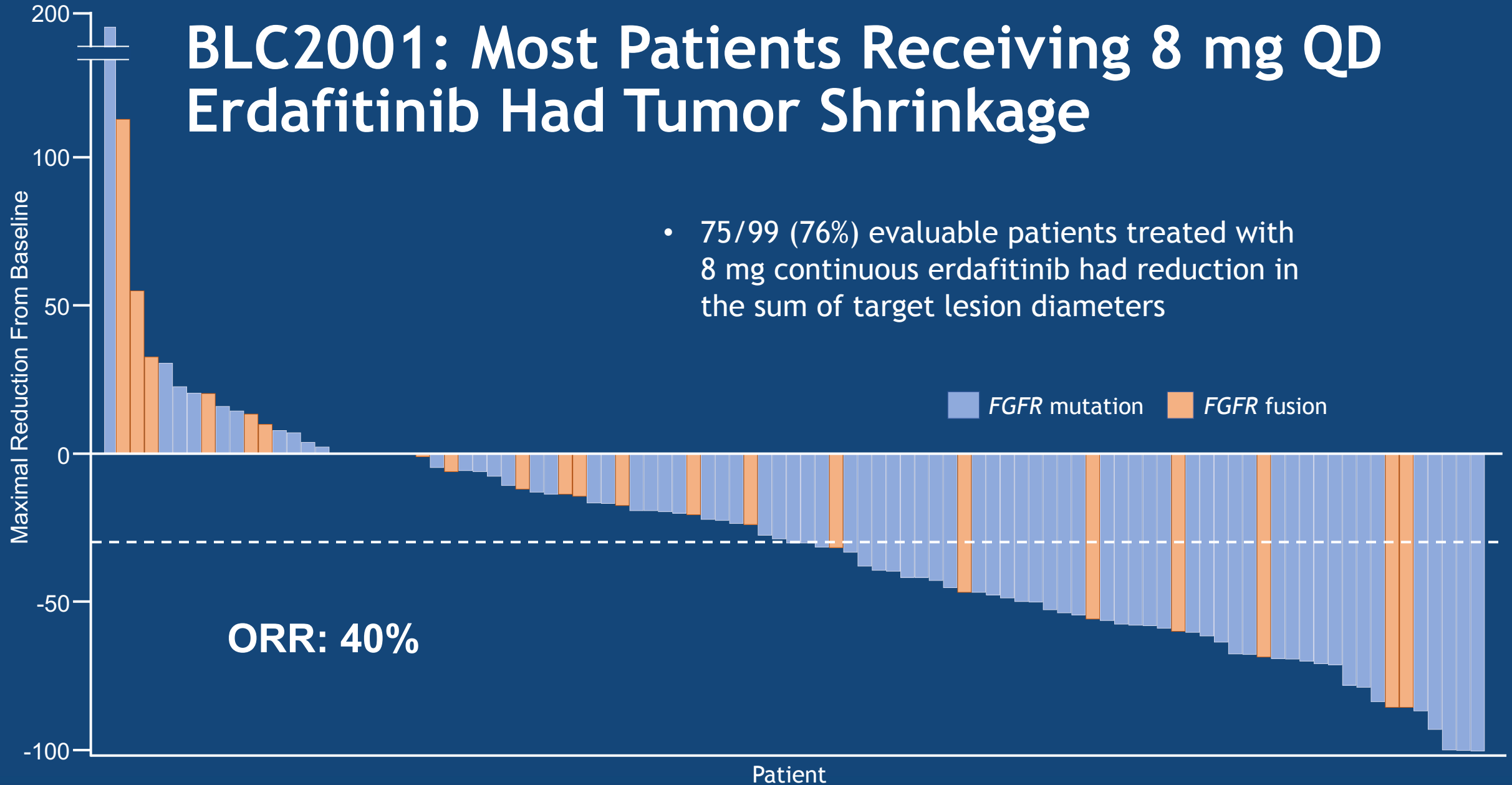
- Erdafitinib is an oral pan-FGFR (1-4) inhibitor with IC_{50} in the single-digit nanomolar range¹
- Erdafitinib is taken up by lysosomes, resulting in sustained intracellular release, which may contribute to its long-lasting activity¹
- Erdafitinib has demonstrated promising activity in patients with metastatic or unresectable UC and other histologies (eg, cholangiocarcinoma) with *FGFR* alterations²⁻⁵



Abbreviation: IC_{50} , drug concentration at which 50% of target enzyme activity is inhibited.

1. Perera TPS, et al. *Mol Cancer Ther.* 2017;16:1010-1020.
2. Tabernero J, et al. *J Clin Oncol.* 2015;33:3401-3408.
3. Soria J-C, et al. ESMO 2016. Abstract 781PD.
4. Lortot Y, et al. ASCO GU 2018. Abstract 411.
5. Siefker-Radtke A, et al. ASCO GU 2018. Abstract 450.

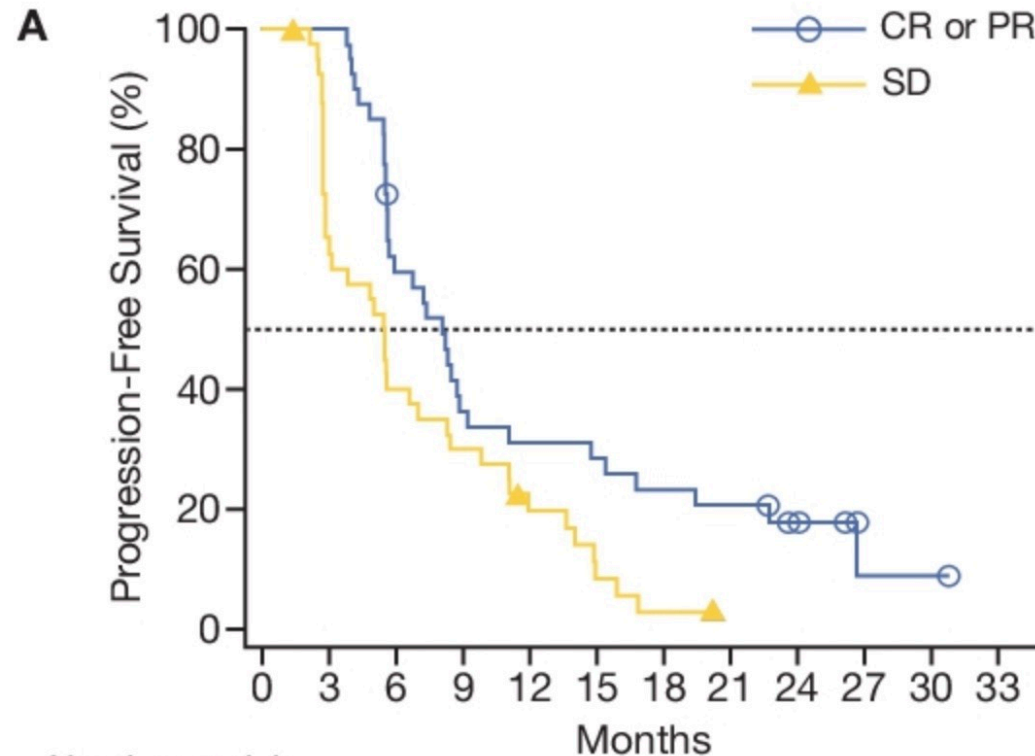
BLC2001: Most Patients Receiving 8 mg QD Erdafitinib Had Tumor Shrinkage



BLC2001: Survival

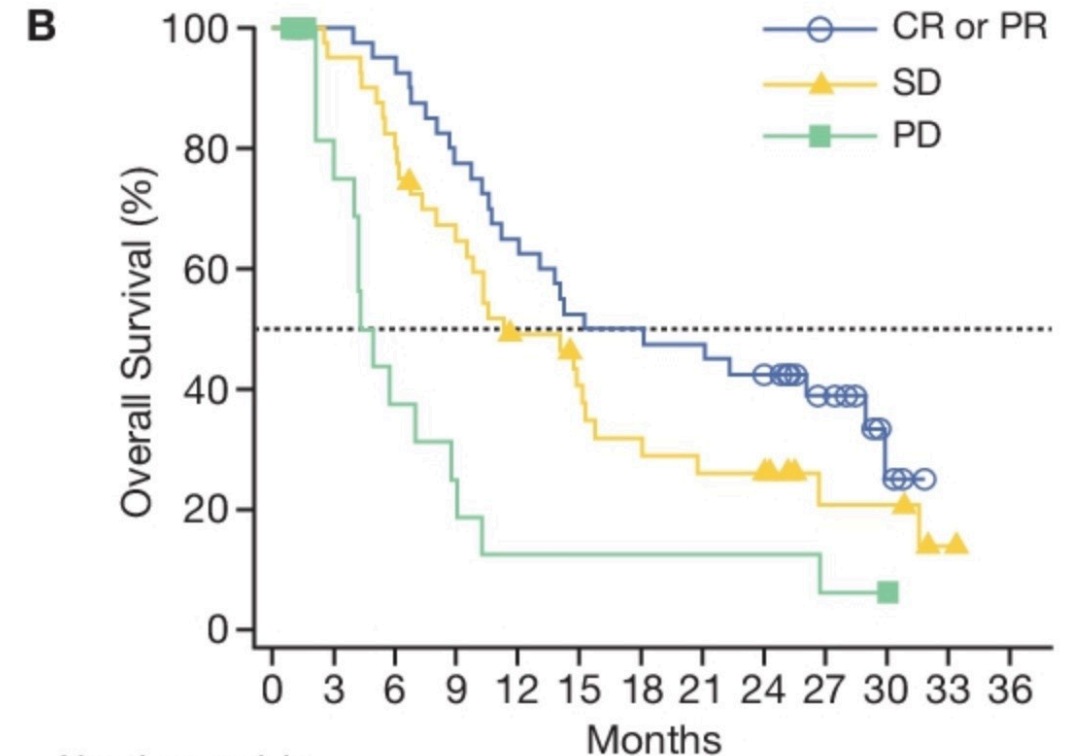
Median PFS: 5.5 months

Median OS: 11.3 months



Number at risk

CR or PR	40	40	23	14	12	11	9	8	4	1	1	0
SD	41	26	16	12	7	3	1	0	0	0	0	0

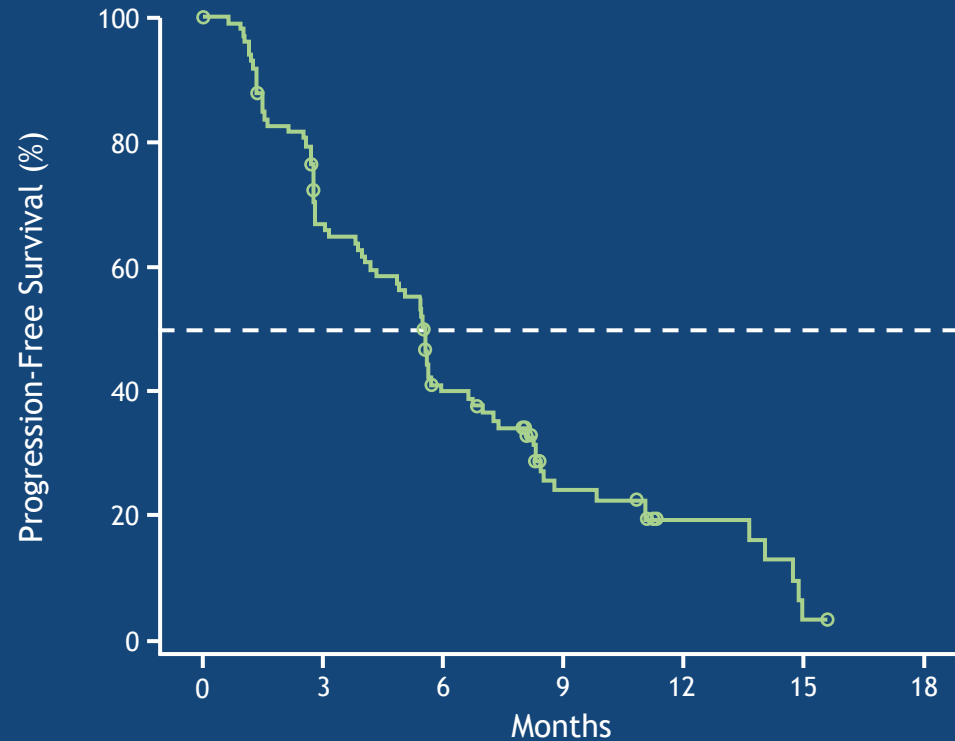


Number at risk

CR or PR	40	40	38	31	26	21	20	19	17	10	3	0	0
SD	41	38	32	25	18	14	11	9	9	4	4	1	0
PD	18	12	6	4	2	2	2	2	2	1	1	0	0

BLC2001: Progression-Free Survival ~6 Months Overall Survival > 1 Year

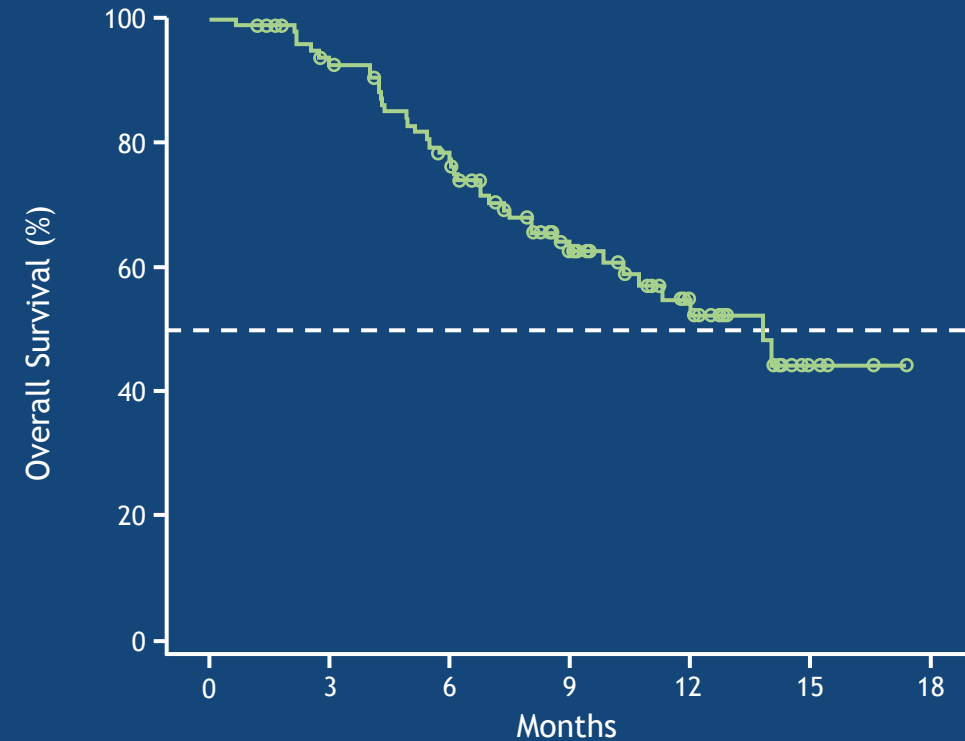
Median PFS = 5.5 months (95% CI, 4.2-6.0)
Progression/death events = 77



No. at risk 99 63 35 16 6 1 0

—○— 8 mg

Median OS = 13.8 months (95% CI, 9.8-NE)
Survival events = 40



No. at risk 99 87 70 42 22 4 0

Abbreviation: NE, not estimable.

BLC2001: Most Common Treatment-Related AEs (TRAEs)

Reported in >20% of patients	8 mg continuous dose (n = 99)	
	Any grade	Grade 3
Patients with TRAEs, n (%)		
Hyperphosphatemia	72 (73)	2 (2)
Stomatitis	54 (55)	9 (9)
Dry mouth	43 (43)	0
Diarrhea	37 (37)	4 (4)
Dysgeusia	35 (35)	1 (1)
Dry skin	32 (32)	0
Alopecia	27 (27)	0
Decreased appetite	25 (25)	0
Hand-foot syndrome	22 (22)	5 (5)
Fatigue	21 (21)	2 (2)

Most were grade 1 or 2

There were no grade 4 or 5 TRAEs

Serious TRAEs were reported in 9 patients (9%); none was reported in more than 1 patient

BLC2001: TRAEs of Clinical Importance or Special Interest

	8 mg continuous dose (n = 99)	
Patients with AEs, n (%)	Any grade	Grade ≥ 3
Hyperphosphatemia	72 (73)	2 (2)
Skin events	48 (49)	6 (6)
Dry skin	32 (32)	0 (0)
Hand-foot syndrome	22 (22)	5 (5)
Nail events	51 (52)	14 (14)
Onycholysis	16 (16)	2 (2)
Paronychia	14 (14)	3 (3)
Nail Dystrophy	16 (16)	6 (6)
Central serous retinopathy (CSR)	21 (21)	3 (3)
Non-CSR ocular events ^a	51 (52)	5 (5)

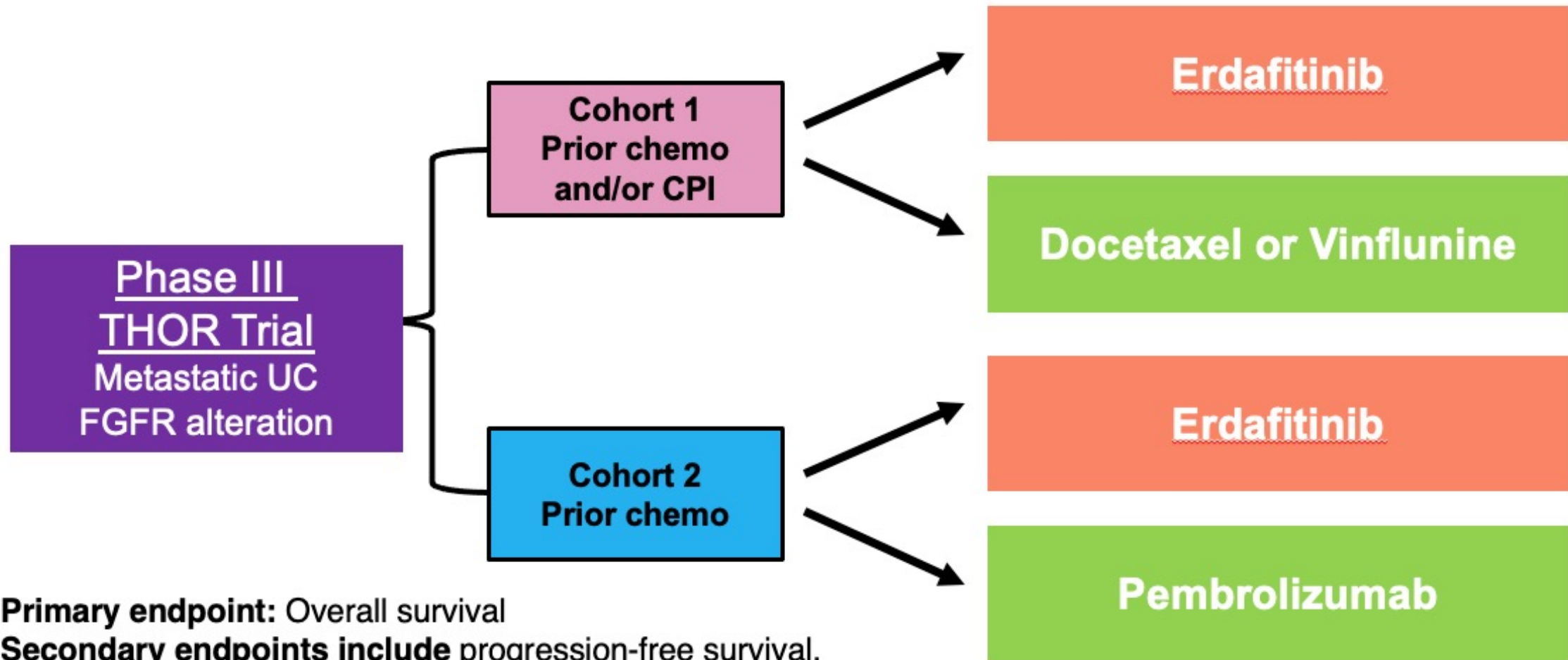
^aMost common non-CSR ocular events included dry eye (19%), blurry vision (16%), increased lacrimation (11%), and conjunctivitis (9%).

- Majority of events were grade 1/2
- Few patients (n = 7) discontinued because of AEs of special interest
- All AEs of special interest were managed with supportive therapies, dose interruption, and/or modification
- CSR is a known class effect of inhibitors of the MAPK pathway^{1,2}
- Patients were routinely monitored
- CSR rarely led to discontinuation (n = 3), and no patient had retinal vein or artery occlusion

Abbreviation: MAPK, mitogen activated protein kinase.

1. Renouf DJ, et al. *J Clin Oncol*. 2012;30:3277-3286
2. Stjepanovic N, et al. *Ann Oncol*. 2016;27:998-1005.

Ongoing Phase III THOR Trial Design

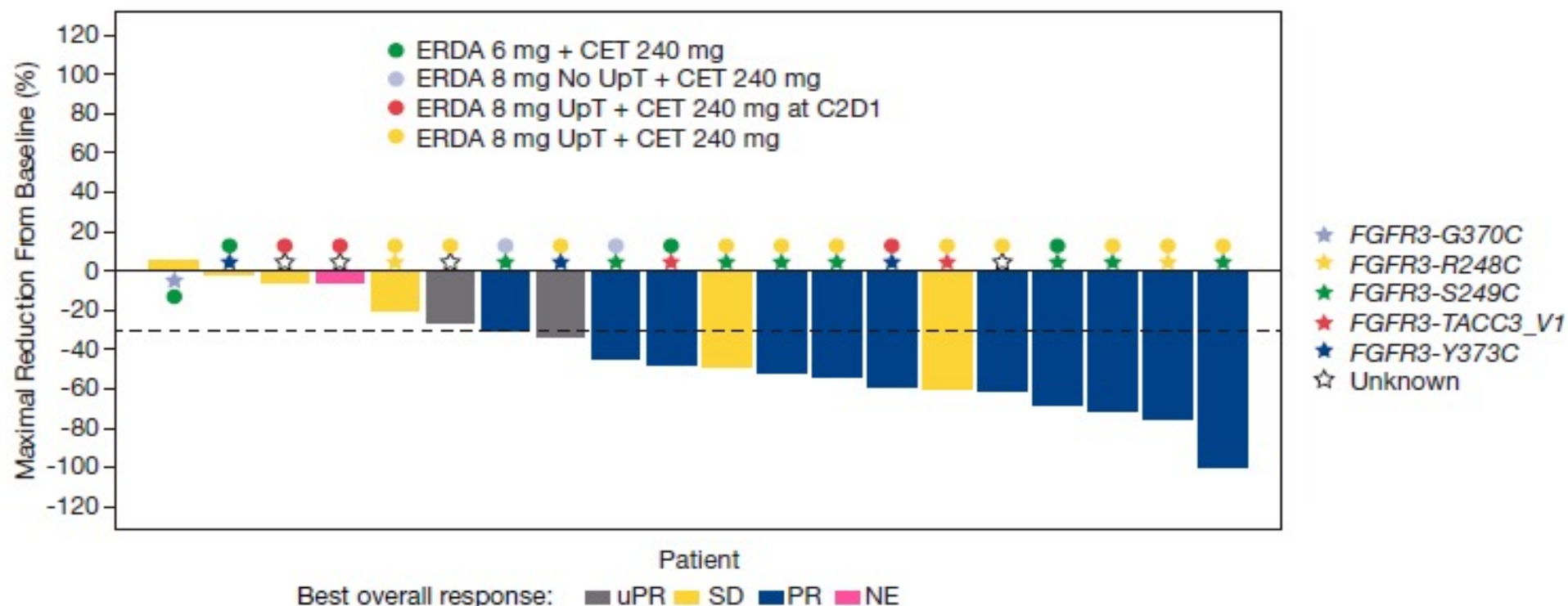


Primary endpoint: Overall survival

Secondary endpoints include progression-free survival, response, safety, change in disease severity and quality of life

Phase 1 Erdafitinib with Cetrelimab

Figure 2. Maximal Percentage Reduction of Sum of Target Lesion Diameters From Baseline^a



^aSafety analysis population; for a response to qualify as SD, follow-up measurements must have met the SD criteria at least once at a minimum interval not less than 6 weeks after the first dose of study drug. 1 patient was not response evaluable as they did not have measurable disease at baseline, and therefore this patient was excluded from the analysis for response. As of the time of data cutoff, 1 other patient did not have a subsequent on-study tumor assessment. To be counted as a PR, a second scan to confirm response was required. NE, not evaluable.

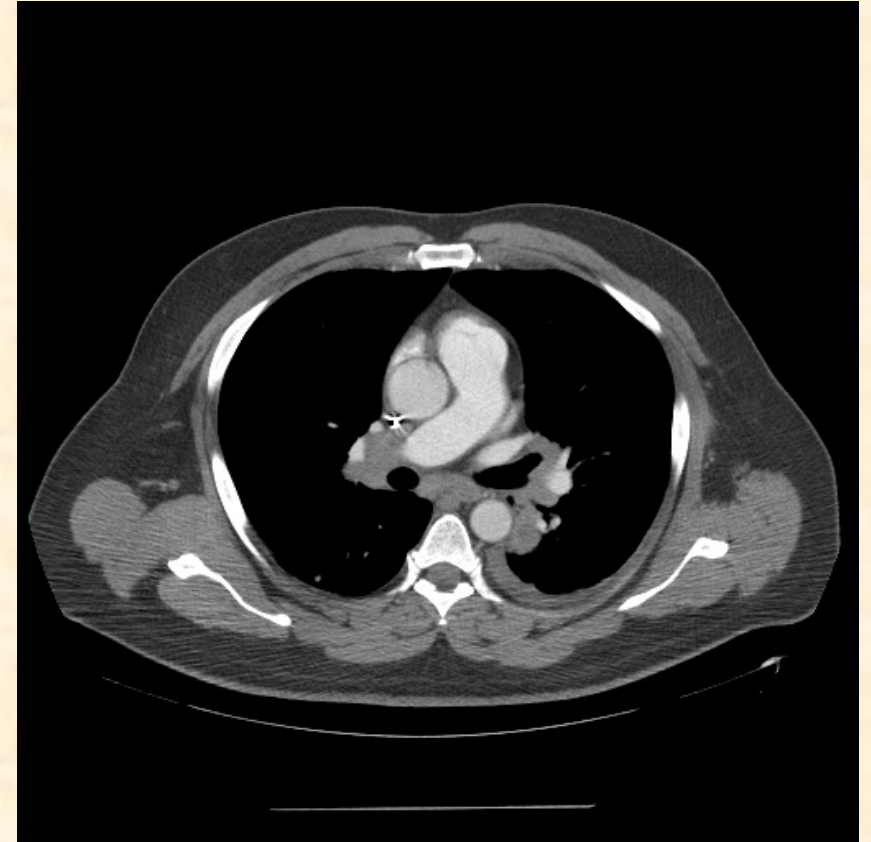
Case Presentation – Dr Siefker-Radtke: A 52-year-old man with metastatic urothelial carcinoma of the renal pelvis

- A 52 year old police officer presents with a metastatic urothelial carcinoma of the renal pelvis. He has failed prior therapy with DDMVAC, and gemcitabine with paclitaxel and doxorubicin. He enrolled on a clinical trial of ipilimumab (x4 doses), with concurrent nivolumab (continuous until progression). After 2 cycles of therapy, he develops some nodularity/flaking around his tattoo, and some papules on the skin.

Case Presentation – Dr Siefker-Radtke: A 52-year-old man with metastatic urothelial carcinoma of the renal pelvis (continued)



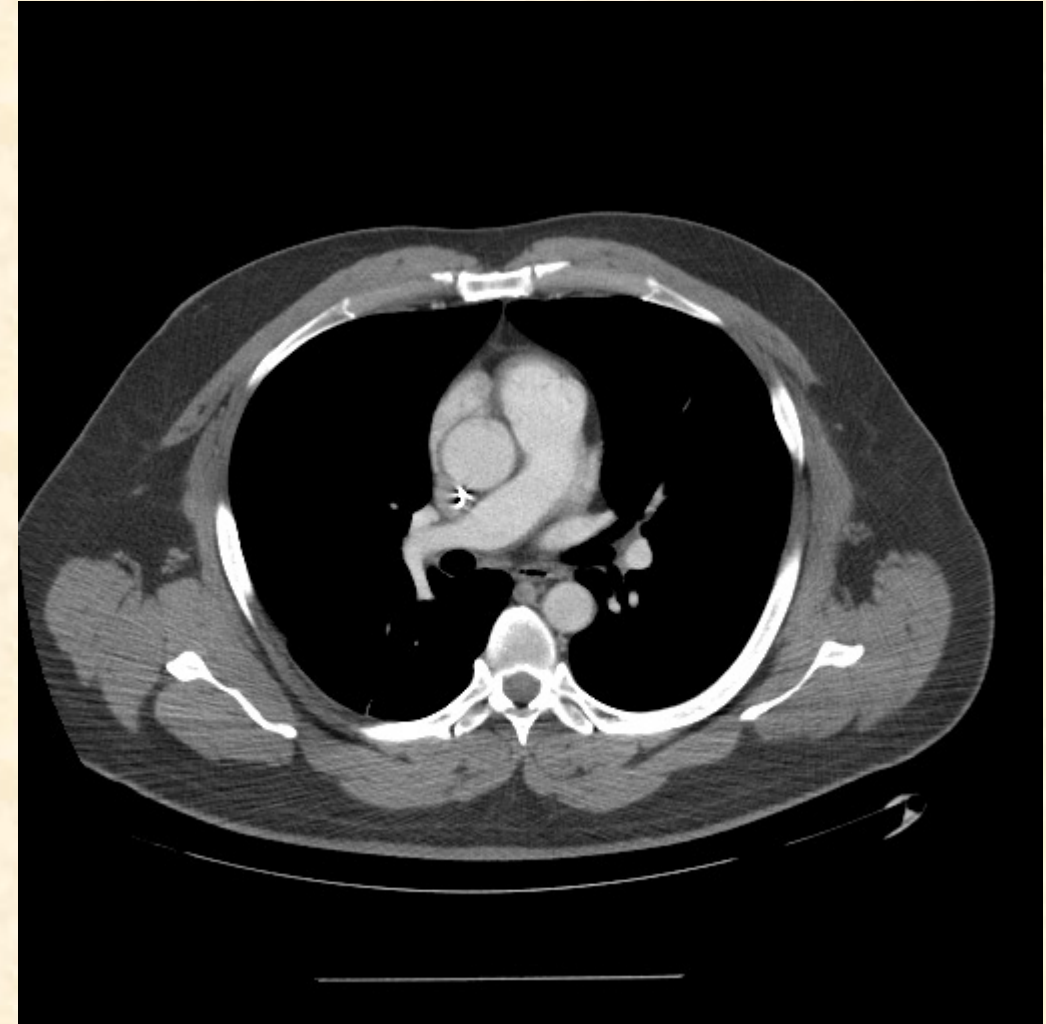
A biopsy of his skin showed evidence of sarcoid. He was started on oral hydroxychloroquine. His immunotherapy was held with a return visit for restaging to evaluate further.



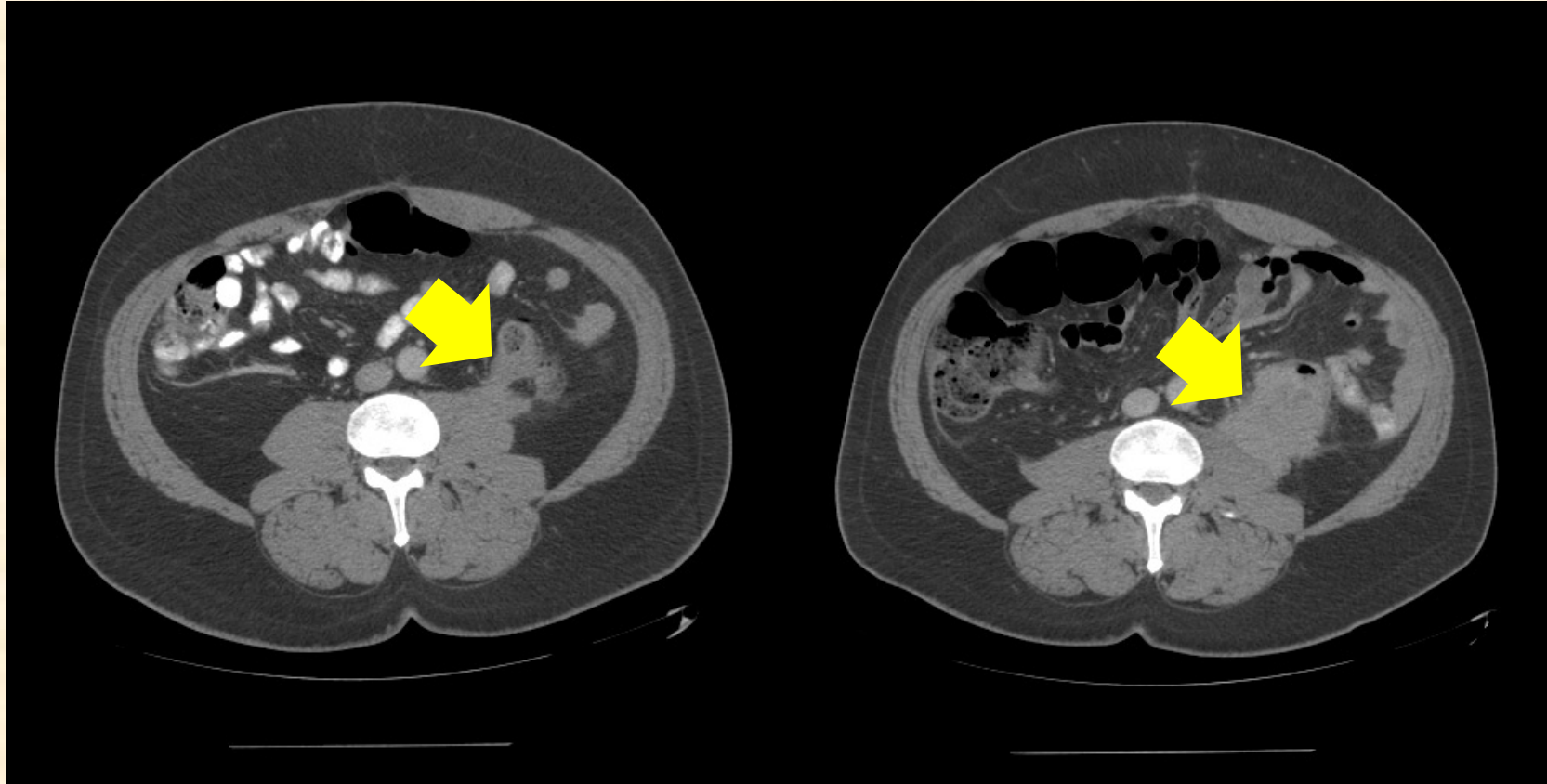
The patient returned reporting “bumps” on his legs, and achy joints (hands and knees). His restaging scans show progressive disease, including in the bed of resection.

Case Presentation – Dr Siefker-Radtke: A 52-year-old man with metastatic urothelial carcinoma of the renal pelvis (continued)

Loefgren's syndrome is a triad of perihilar nodes, erythema nodosum, and polyarthrititis, seen with systemic sarcoidosis. A biopsy of a perihilar node confirmed sarcoid. He was started on IV methylprednisolone 1 mg/kg bid with resolution of his symptoms followed by a prednisone taper over 6 weeks. His perihilar nodes resolved.



Case Presentation – Dr Siefker-Radtke: A 52-year-old man with metastatic urothelial carcinoma of the renal pelvis (continued)



This patient also had an FGFR3 S249C mutation. He, along with 5 other patients with known FGFR3 mutations all progressed at the earliest time points on immunotherapy.

Case Presentation – Dr Siefker-Radtke: A 65-year-old man with muscle-invasive bladder cancer

A 65 year old man was diagnosed with a cT2N0 bladder cancer, treated with neoadjuvant chemotherapy with DDMMVAC in 12/2018, and had pT3bN+ disease at surgery. In 7/2019, his CT images show evidence of rapidly progressive disease with extensive liver metastases. His creatinine clearance is 45 ml/min. Mutation testing confirms an FGFR3 S249C mutation.

Case Presentation – Dr Siefker-Radtke: A 65-year-old man with muscle-invasive bladder cancer (continued)

He starts treatment with erdafitinib at 8 mg po daily, and is uptitrated to 9 mg po daily based on a day 15 phosphorous level of 5.4 mg/dL. Prior to his 3rd cycle, he calls your office reporting intermittent blurry vision that comes and goes throughout the day in addition to dry eyes.

Case Presentation – Dr Siefker-Radtke: A 65-year-old man with muscle-invasive bladder cancer (continued)

His blurry vision improves when he blinks. The artificial tears help with his dry eyes and the mucous. He continues on erdafitinib 9 mg po daily.

C4D8, he calls your office reporting blurred vision that does not improve with the artificial tears. He has noted wavy lines on the Amsler grid that he has kept on his refrigerator.

Agenda

Module 1: Treatment of Metastatic Urothelial Bladder Cancer (mUBC) – Third Line and Beyond

Part 1: Antibody-Drug Conjugates

- Enfortumab vedotin (EV) for progressive mUBC; potential clinical role in combination with pembrolizumab
- TROPY U-01: Sacituzumab govitecan for progressive mUBC; recent FDA approval
- Incidence, severity and management of adverse events with EV and sacituzumab govitecan
- Faculty cases

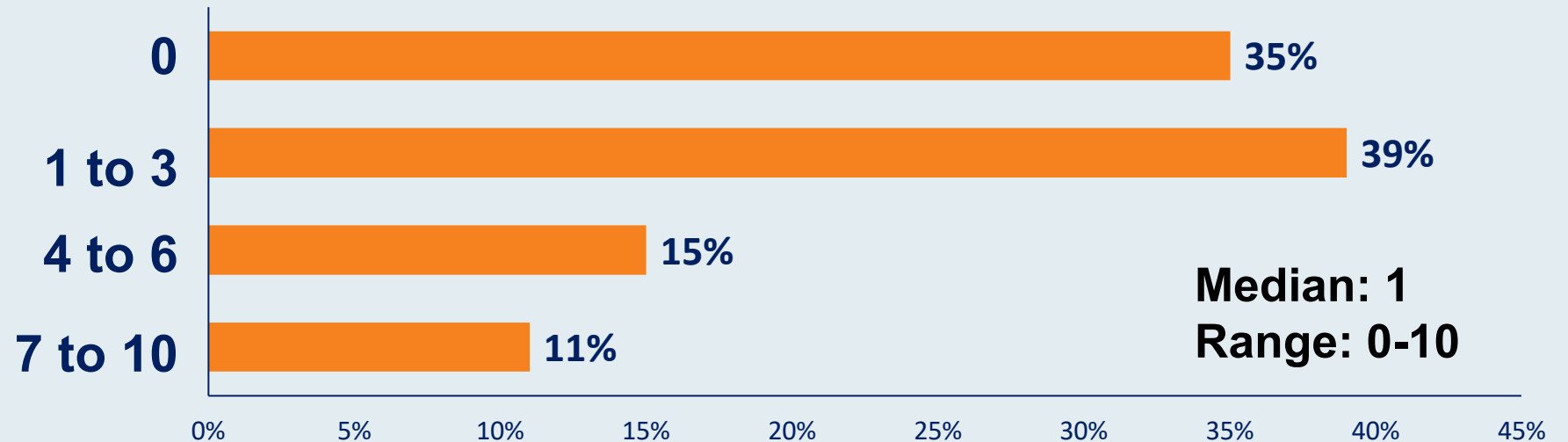
Part 2: FGFR-Targeted Therapies in Advanced UBC

- BLC2001: Erdafitinib for patients with progressive mUBC with susceptible FGFR3 or FGFR2 alterations
- Incidence and severity of adverse events with erdafitinib; optimal monitoring and management strategies
- Ongoing studies evaluating erdafitinib alone or in combination with other systemic therapies in UBC
- Faculty cases

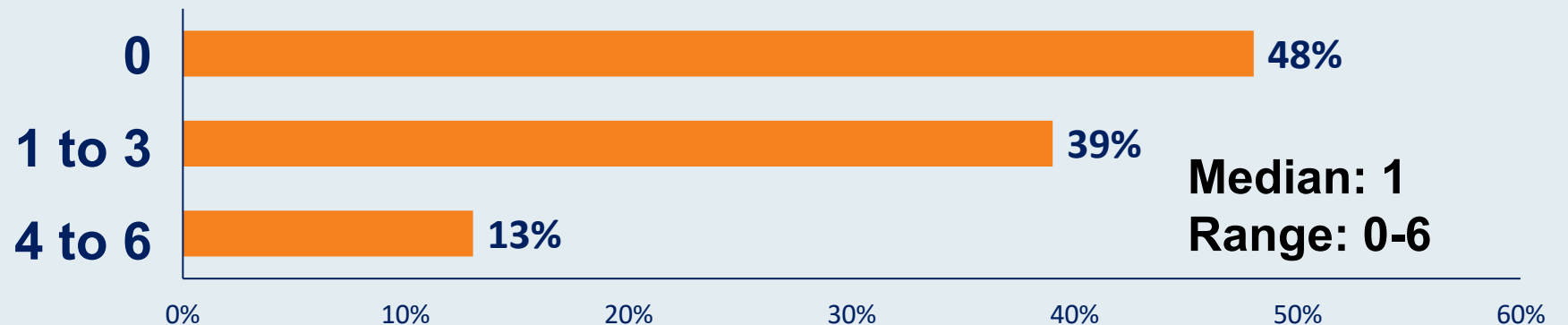
Module 2: Non-Muscle-Invasive Bladder Cancer; First- and Second-Line Therapy for mUBC

- Use of immunotherapy for BCG-refractory non-muscle-invasive bladder cancer
- Immunotherapy for mUBC: IMvigor130, DANUBE, JAVELIN Bladder 100
- Faculty cases

Approximately how many patients with BCG-unresponsive non-muscle-invasive UBC have you evaluated for treatment with pembrolizumab?

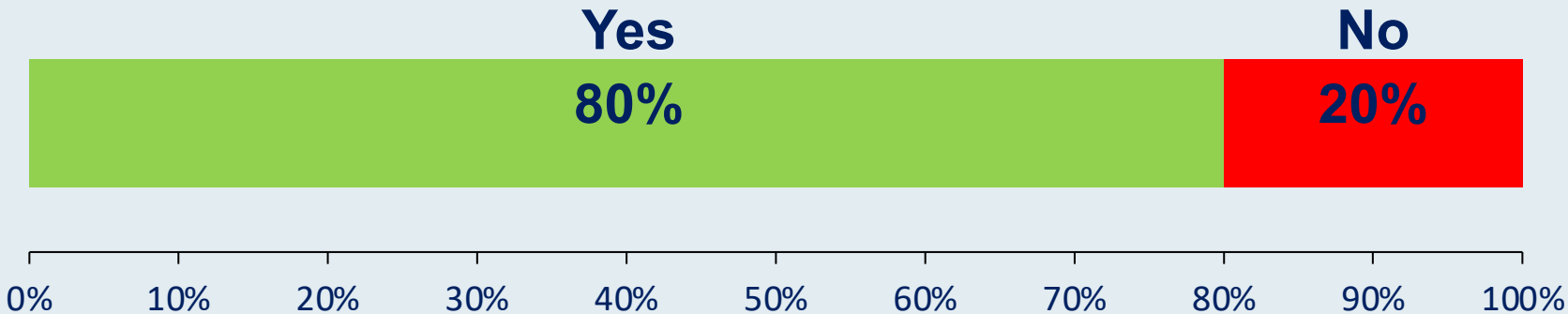


To approximately how many patients with BCG-unresponsive non-muscle-invasive UBC have you administered pembrolizumab?

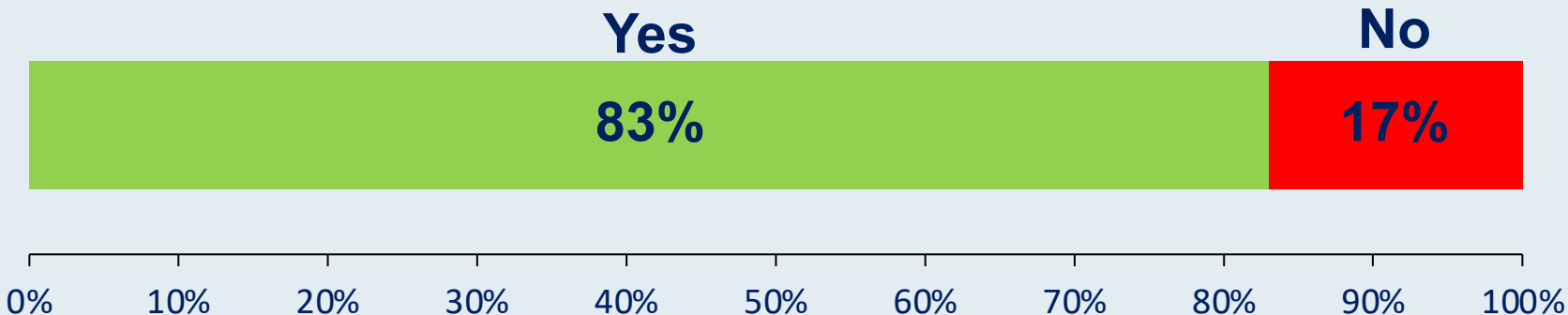


In general, would you recommend pembrolizumab to a patient with BCG-unresponsive non-muscle-invasive UBC in the following clinical situations?

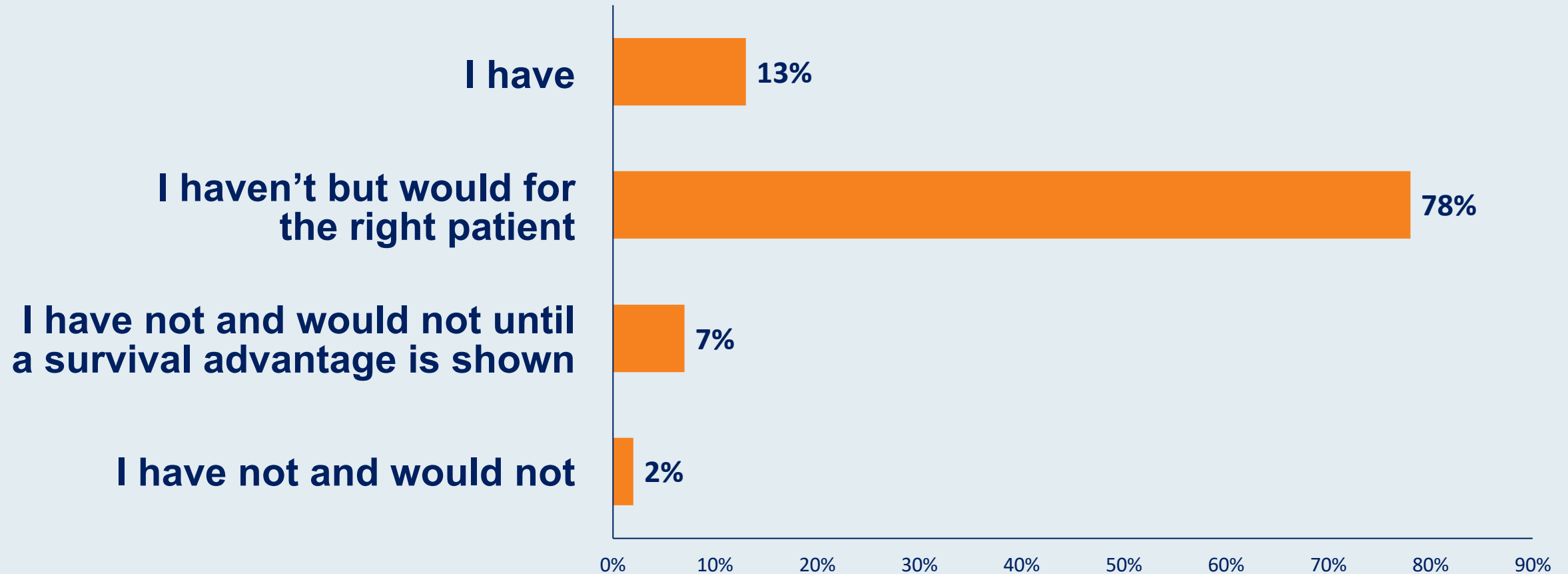
A patient in their 70s who is otherwise healthy and prefers not to undergo cystectomy



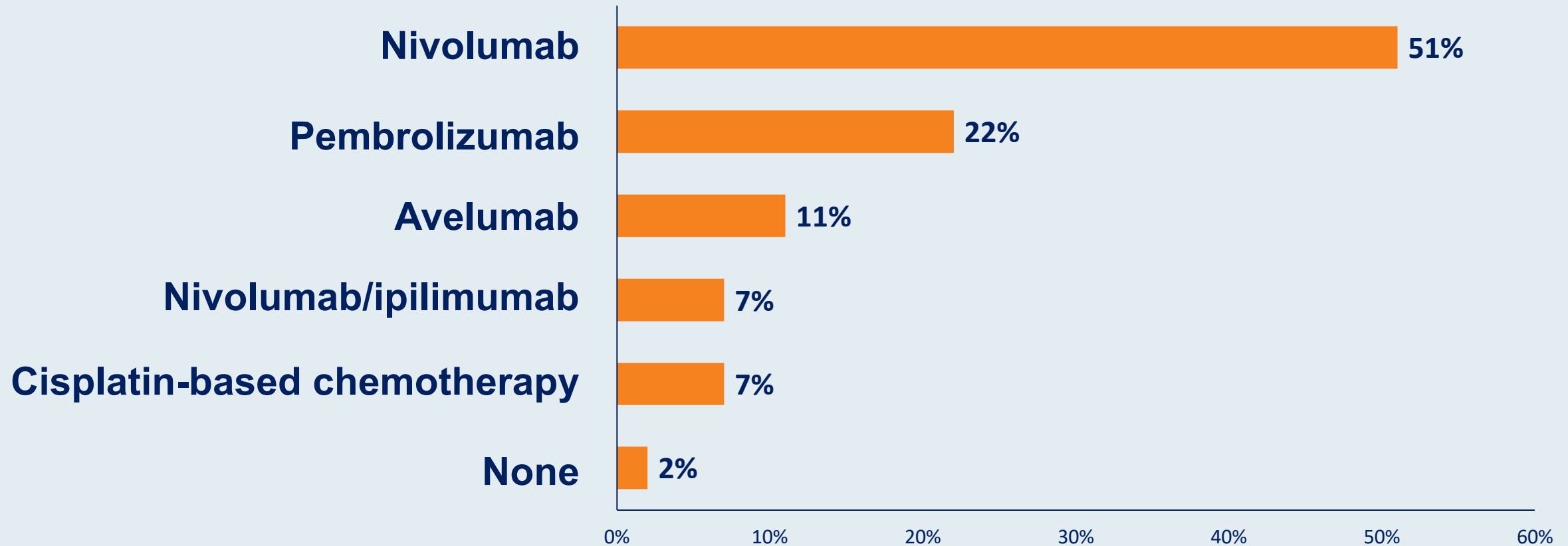
A patient who is elderly or who has significant comorbidities who is not a candidate for cystectomy



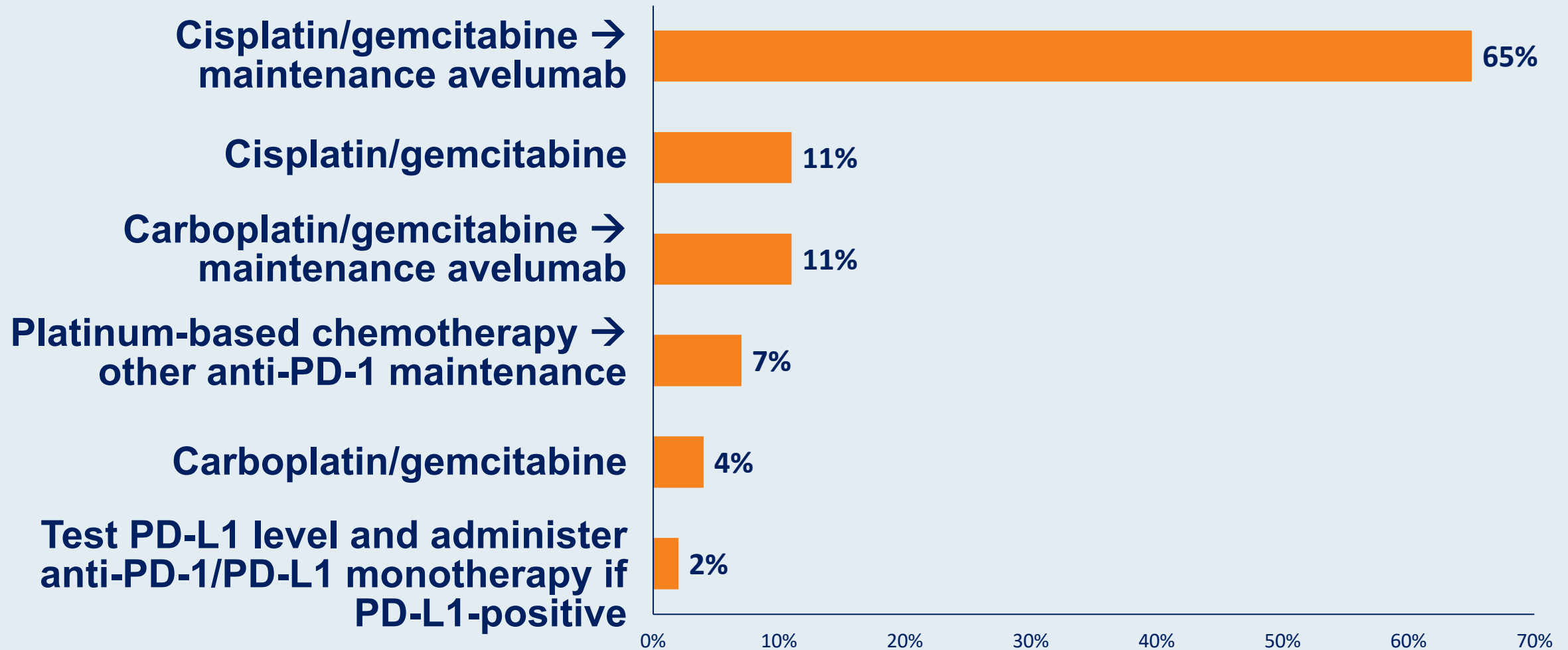
Have you or would you use adjuvant nivolumab after cystectomy for a patient with high-risk muscle-invasive bladder cancer?



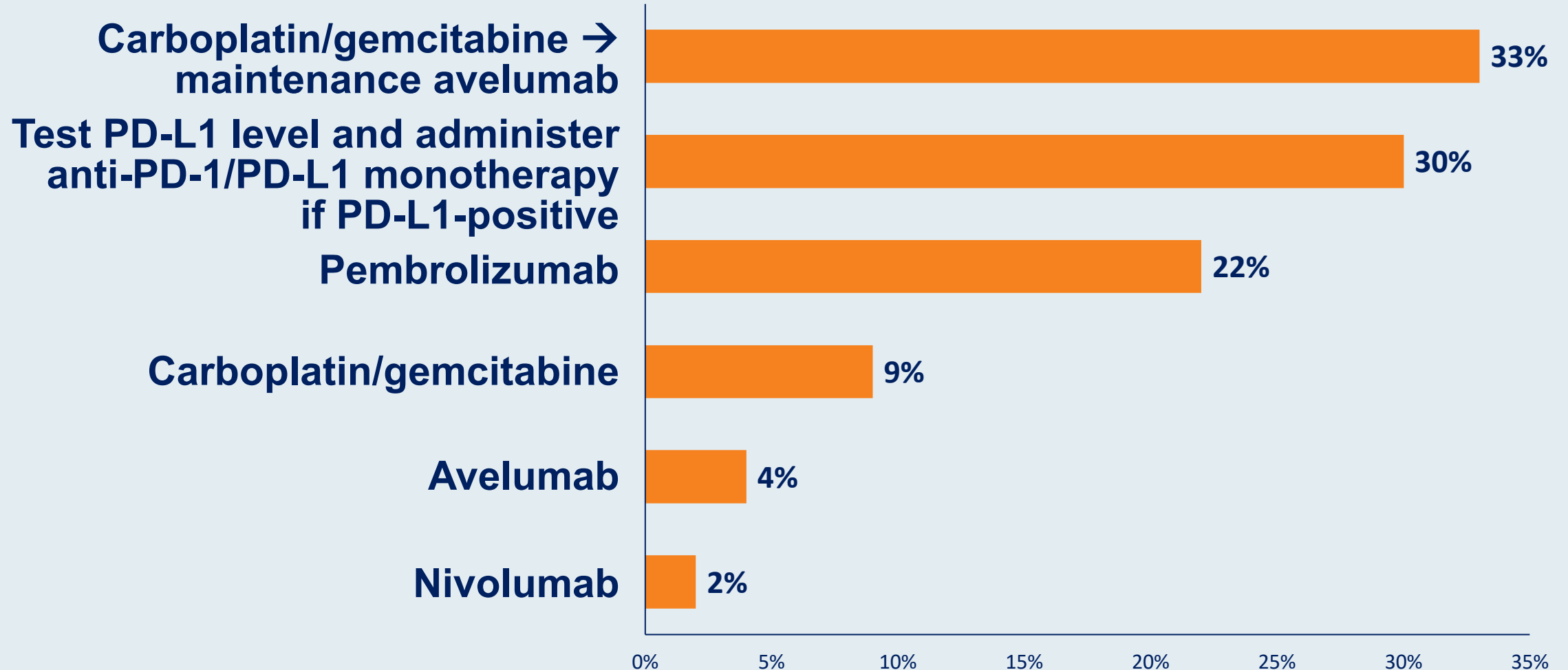
A 65-year-old man receives neoadjuvant dose-dense MVAC for muscle-invasive UBC and undergoes cystectomy, which reveals significant residual disease and a positive pelvic lymph node. PD-L1 = 80%. Regulatory and reimbursement issues aside, what adjuvant systemic therapy, if any, would you recommend?



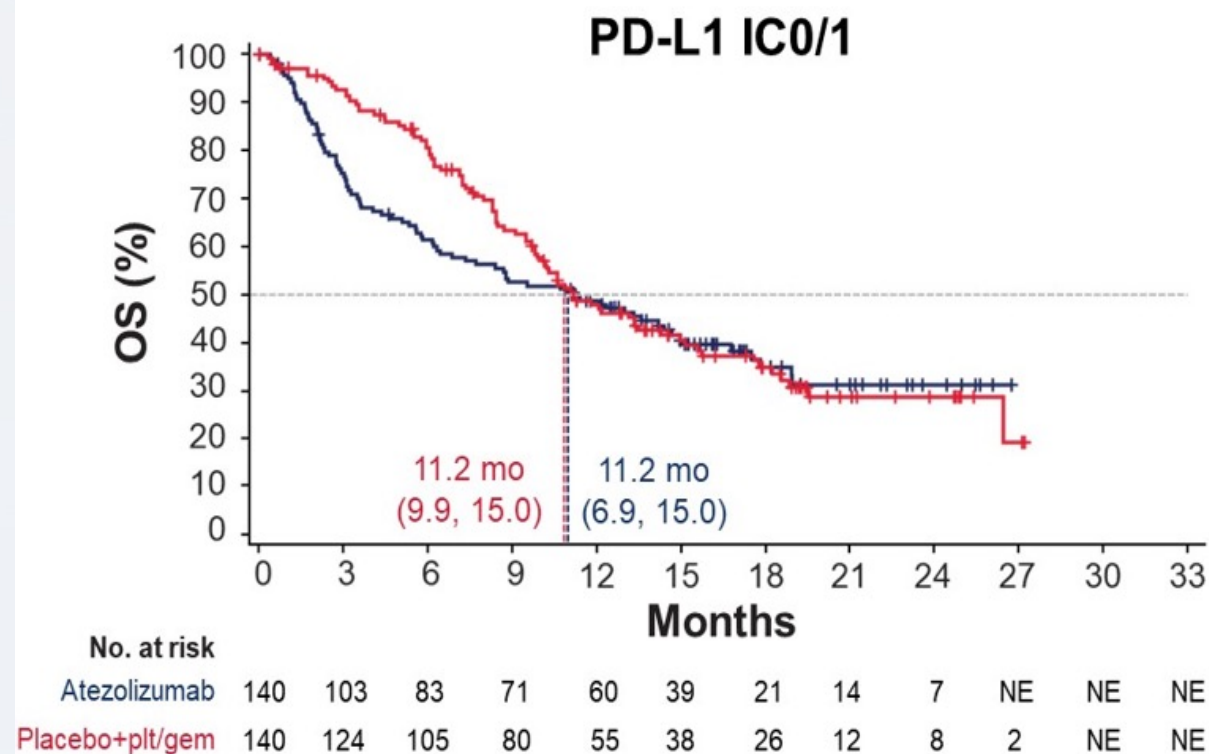
What would be your preferred first-line treatment regimen for a 65-year-old patient with metastatic UBC (mUBC)?



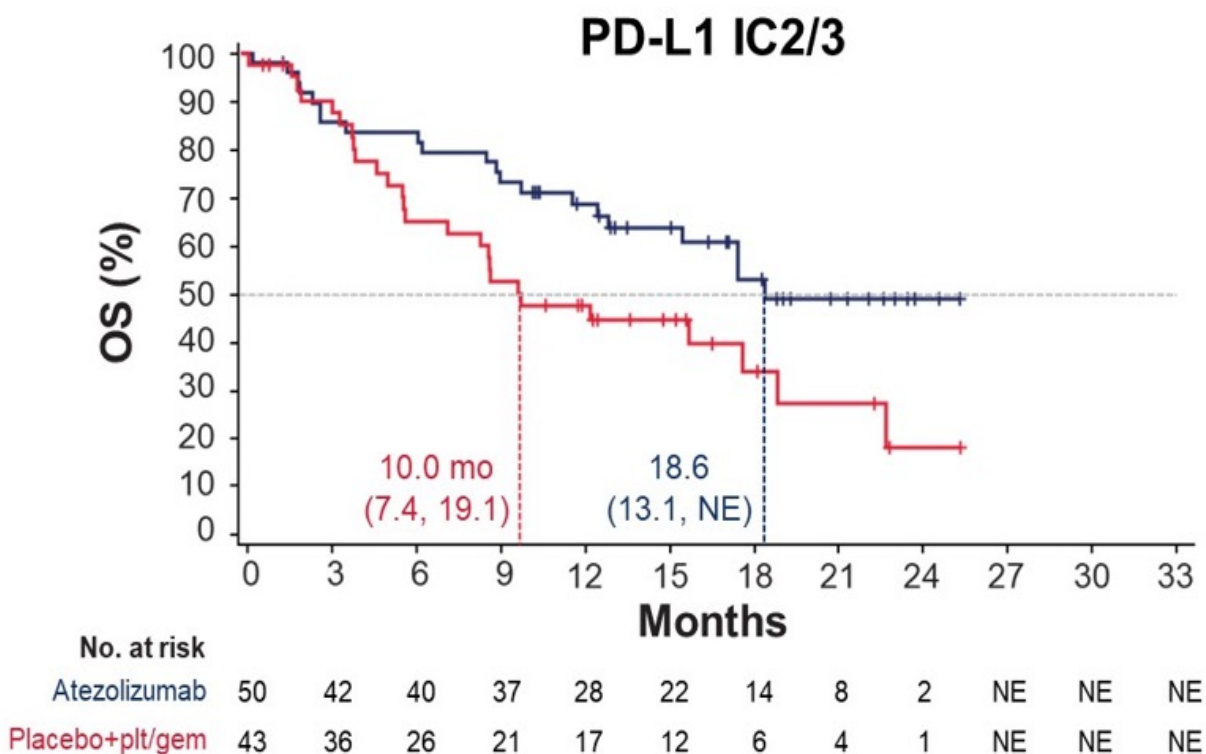
What would be your preferred first-line treatment regimen for an 80-year-old patient with mUBC who is not a candidate for cisplatin-based chemotherapy?



Interim OS by PD-L1 status (cisplatin-ineligible patients) IMvigor130



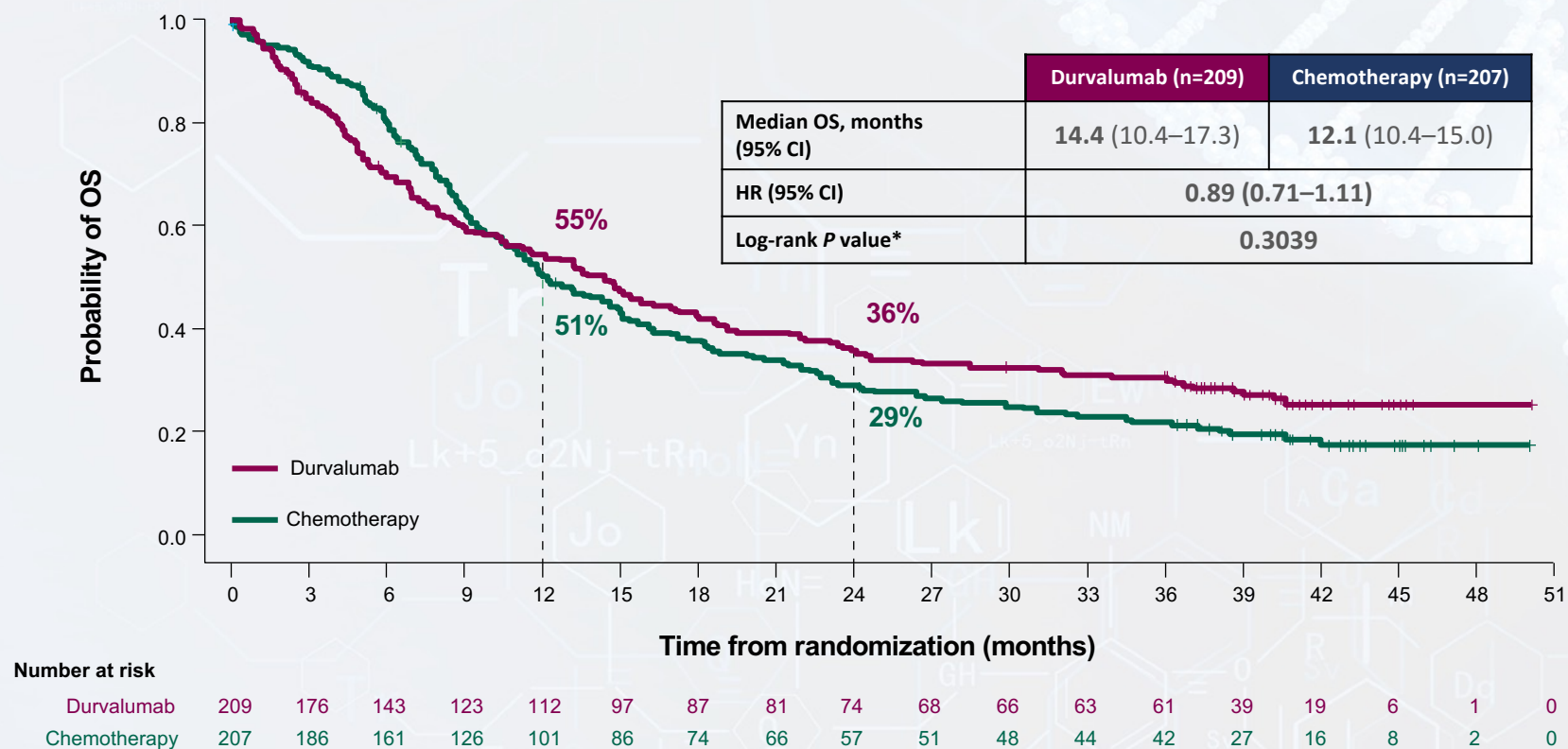
	Atezolizumab (Arm B) (n=140)	Placebo + plt/gem (Arm C) (n=140)
OS events	85	85
OS HR (95% CI)	1.11 (0.82, 1.51)	
ORR (95% CI), % ^a	16 (10, 23)	42 (34, 51)



	Atezolizumab (Arm B) (n=50)	Placebo + plt/gem (Arm C) (n=43)
OS events	21	26
OS HR (95% CI)	0.53 (0.30, 0.94)	
ORR (95% CI), %	38 (25, 53)	33 (19, 49)

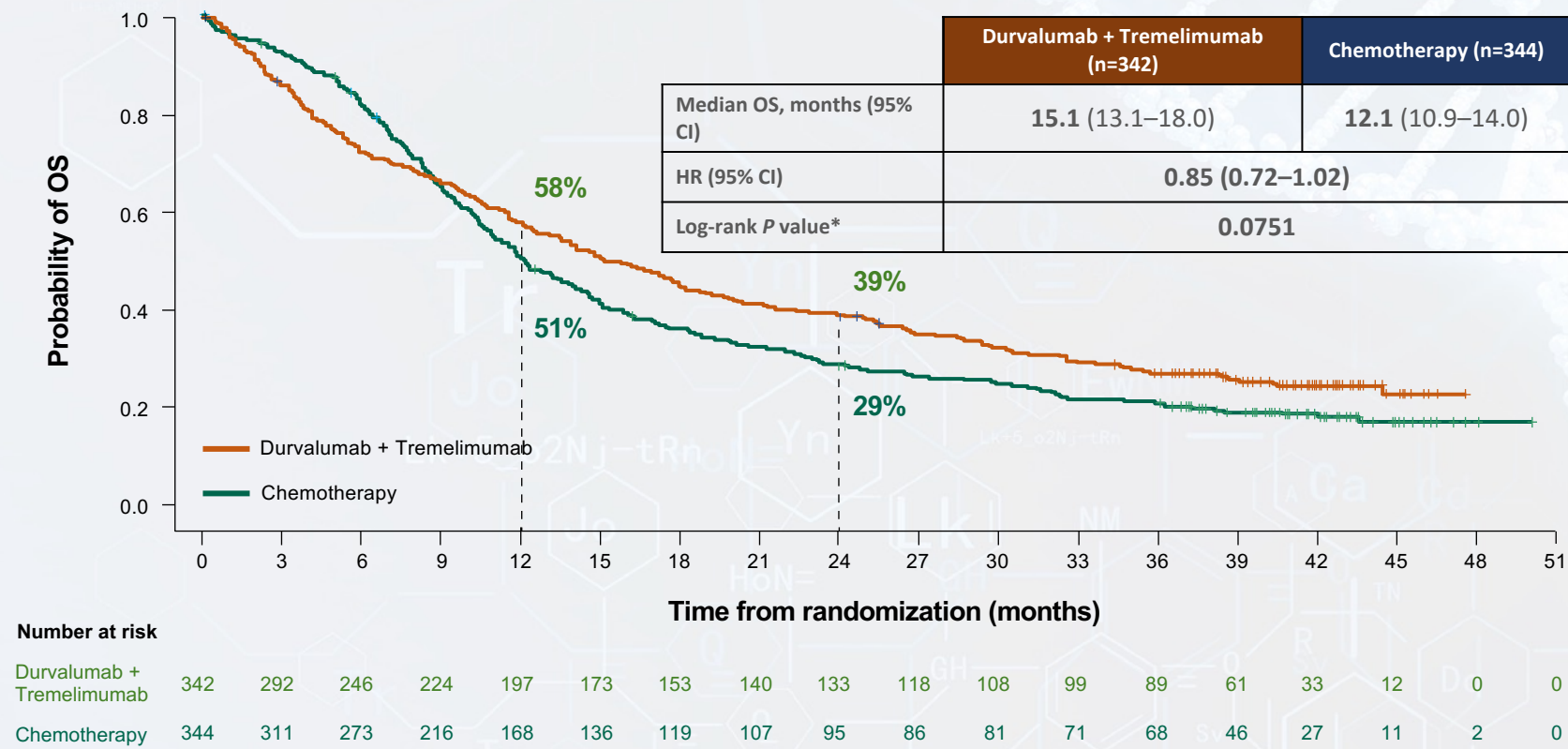
PD-L1-expressing immune cells covering ≥5% (IC2/3) or <5% (IC0/1) of the tumor area per VENTANA SP142 IHC assay. ^a For ORR, Arms B and C: n=139.

DANUBE- Co-primary endpoint: OS with durvalumab vs chemotherapy in the PD-L1-high population²³



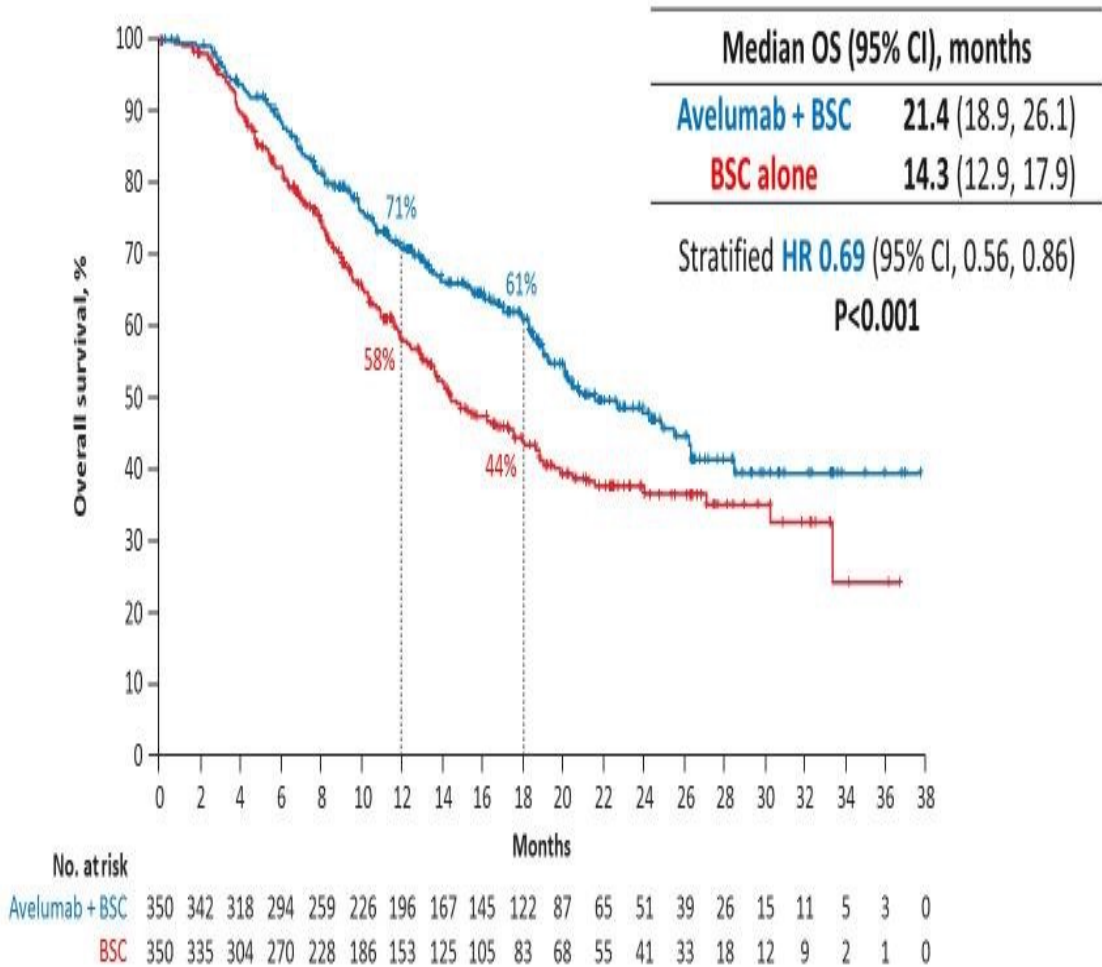
*Considered statistically significant if $p < 0.0301$.
CI, confidence interval; HR, hazard ratio; OS, overall survival; PD-L1, programmed death-ligand 1.
23. Powles T, *et al.* Presented at ESMO 2020 697O.

DANUBE- Co-primary endpoint: OS with durvalumab + tremelimumab vs chemotherapy in the ITT population²³



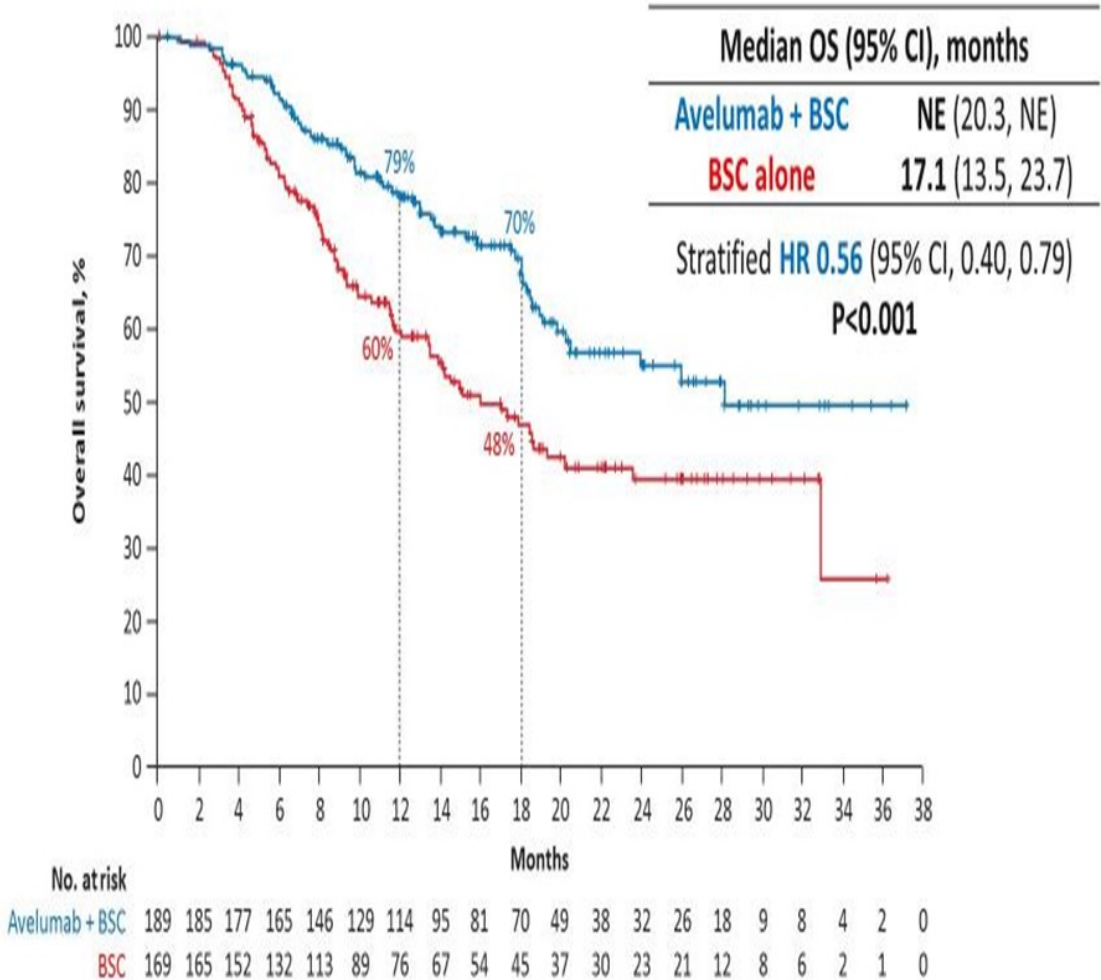
*Considered statistically significant if $p < 0.0301$.
CI, confidence interval; HR, hazard ratio; ITT, intention-to-treat; OS, overall survival.
23. Powles T, *et al.* Presented at ESMO 2020 697O.

OS in the overall population



OS was measured post randomization (after chemotherapy); the OS analysis crossed the prespecified efficacy boundary based on the alpha-spending function (P<0.0053)

OS in the PD-L1+ population



OS was measured post randomization (after chemotherapy); the OS analysis crossed the prespecified efficacy boundary based on the alpha-spending function (P<0.0014). NE, not estimable

Treatment-emergent AEs (any causality)

	Avelumab + BSC (N=344)		BSC alone (N=345)	
	Any grade	Grade ≥3	Any grade	Grade ≥3
Any TEAE, %	98.0	47.4	77.7	25.2
Fatigue	17.7	1.7	7.0	0.6
Pruritus	17.2	0.3	1.7	0
UTI	17.2	4.4	10.4	2.6
Diarrhea	16.6	0.6	4.9	0.3
Arthralgia	16.3	0.6	5.5	0
Asthenia	16.3	0	5.5	1.2
Constipation	16.3	0.6	9.0	0
Back pain	16.0	1.2	9.9	2.3
Nausea	15.7	0.3	6.4	0.6
Pyrexia	14.8	0.3	3.5	0
Decreased appetite	13.7	0.3	6.7	0.6
Cough	12.8	0.3	4.6	0
Vomiting	12.5	1.2	3.5	0.6
Hypothyroidism	11.6	0.3	0.6	0
Rash	11.6	0.3	1.2	0
Anemia	11.3	3.8	6.7	2.9
Hematuria	10.5	1.7	10.7	1.4
IRR	10.2	0.9	0	0

- TEAEs led to discontinuation of avelumab in 11.9%
- Death was attributed by the investigator to study treatment toxicity in 2 patients (0.6%) in the avelumab + BSC arm
 - Due to sepsis (in Cycle 10) and ischemic stroke (100 days after a single dose of avelumab)

Table shows TEAEs of any grade occurring in ≥10% or grade ≥3 TEAEs occurring in ≥5% in either arm

AE, adverse event; IRR, infusion-related reaction; TEAE, treatment-emergent adverse event; UTI, urinary tract infection

Safety was assessed in all patients who received ≥1 dose of avelumab in the avelumab arm, or who completed the cycle 1 day 1 visit in the BSC arm (N=689)

	Atezolizumab ¹	Nivolumab ²	Pembrolizumab ³	Avelumab ⁴	Durvalumab ⁵
Phase	Phase III Randomized vs chemotherapy	Phase II Single Arm	Phase III Randomized vs Chemotherapy	Phase Ib	Phase I/II
Number of Patients	931	265	542	249 (161 pts ≥ 6 mos f/u)	191
Dosing	1200mg every 3 weeks	3mg/kg every 2 weeks	200mg every 3 weeks	10mg/kg every 2 weeks	10mg/kg every 2 weeks
ORR	13.4%	19.6%	21.1%	17%	17.8%
Duration of Response	63% of responses ongoing at median f/u of 21.7 mos	77% of responses ongoing at median f/u of 7 mos	72% of responses ongoing at median f/u of 14.1 mos	96% of responses ongoing at 6 mos f/u	50% of responses lasting ≥ 6 mos
Median OS	8.6 mos	8.7 mos	10.3 mos	6.5 mos	18.2 mos
Median PFS	2.1 mos	2.0 mos	2.1 mos	1.5 mos	1.5 mos
Rate of Grade 3/4 Treatment-related AEs	20%	18%	15%	8%	6.8%

1Powles T, et al. Lancet. 2018;391(10122):748-757.; 2Sharma P, et al. Lancet Oncol. 2017;18(3):312-322.; 3Bellmunt J, et al. N Engl J Med. 2017;376(11):1015-1026.; 4Patel MR, et al. Lancet Oncol. 2018;19(1):51-64.; 5Powles T, et al. JAMA Oncol. 2017;3(9):e172411

Case Presentation – Dr Grivas: An 86-year-old man with BCG-unresponsive bladder cancer

- 86 yo man with PS ECOG 1, DM II, HTN, presented with hematuria; cystoscopy showed a small bladder tumor, TURBT showed Ta with adjacent CIS. CT CAP did not show extravesical disease or metastasis. He started intravesical BCG and received all 6 induction doses (CR on re-TURBT & urine cytology) with notable urinary urgency & frequency. Re-TURBT after 2 maintenance BCG doses showed recurrent CIS and 2 tumors both with Ta stage. He refused radical cystoprostatectomy despite counseling and wanted to consider other options:
 - A. Clinical trial
 - B. Intravesical docetaxel/gemcitabine
 - C. Intravenous pembrolizumab

Case Presentation – Dr Grivas: A 78-year-old man with localized muscle-invasive bladder cancer

- 78 yo man with CKD with GFR 35 ml/min, G3 hearing loss, ECOG PS 1 and localized muscle-invasive bladder cancer s/p radical cystoprostatectomy, pelvic lymph node dissection & urine diversion, path stage pT3N1.
- NGS testing from cystectomy tumor tissue revealed FGFR3 activating mutation. He recovered well after surgery and presents to discuss options:
- A. Clinical trial, e.g. AMBASSADOR or PROOF-302
- B. Observation

Case Presentation – Dr Grivas: A 75-year-old woman with *de novo* metastatic UBC

- 75 yo woman with *de novo* metastatic urothelial cancer with enlarged pelvic & retroperitoneal lymph nodes & 2 small metastatic lesions in left lung.
- PS ECOG 1, HTN, hyperlipidemia, normal organ function, no hearing loss, neuropathy or autoimmune disease; GFR 60 ml/min;
- PD-L1 CPS 15 (22C3 Ab).
- She received 6 cycles of Gem/Cis with complete response on CT.
- What is the most appropriate next step? Switch maintenance avelumab?

Meet The Professor

Optimizing the Selection and Sequencing of Therapy for Patients with Renal Cell Carcinoma

Thursday, July 22, 2021

5:00 PM – 6:00 PM ET

Faculty

David F McDermott, MD

Moderator

Neil Love, MD

Thank you for joining us!

CME and MOC credit information will be emailed to each participant within 2 to 3 business days.