

Inside the Issue: Integrating Targeted and Immunotherapy into the Management of Localized Non-Small Cell Lung Cancer

A CME/MOC-Accredited Live Webinar

Thursday, September 21, 2023

5:00 PM – 6:00 PM ET

Faculty

Jamie E Chافت, MD

John V Heymach, MD, PhD

Moderator

Neil Love, MD

Faculty



Jamie E Chافت, MD
Associate Attending Physician
Thoracic Oncology Service
Memorial Sloan Kettering Cancer Center
New York, New York



Moderator
Neil Love, MD
Research To Practice



John V Heymach, MD, PhD
Professor and Chair
Thoracic/Head and Neck Medical Oncology
The University of Texas MD Anderson Cancer Center
Houston, Texas

Commercial Support

This activity is supported by educational grants from AstraZeneca Pharmaceuticals LP and Merck.

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, ADC Therapeutics, 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, BeyondSpring Pharmaceuticals Inc, Blueprint Medicines, Boehringer Ingelheim Pharmaceuticals Inc, Bristol Myers Squibb, Celgene Corporation, Clovis Oncology, Coherus BioSciences, CTI BioPharma Corp, Daiichi Sankyo Inc, Eisai Inc, Elevation Oncology Inc, EMD Serono Inc, Epizyme Inc, Exact Sciences Corporation, Exelixis Inc, Five Prime Therapeutics Inc, Foundation Medicine, G1 Therapeutics Inc, Genentech, a member of the Roche Group, Genmab US Inc, Gilead Sciences Inc, Grail Inc, GSK, 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, Kronos Bio Inc, Legend Biotech, Lilly, Loxo Oncology Inc, a wholly owned subsidiary of Eli Lilly & Company, MEI Pharma Inc, Merck, Mersana Therapeutics Inc, Mirati Therapeutics Inc, Natera Inc, Novartis, Novartis Pharmaceuticals Corporation on behalf of Advanced Accelerator Applications, Novocure Inc, Oncopeptides, Pfizer Inc, Pharmacyclics LLC, an AbbVie Company, Puma Biotechnology Inc, Regeneron Pharmaceuticals Inc, R-Pharm US, Sanofi, Seagen Inc, Servier Pharmaceuticals LLC, SpringWorks Therapeutics Inc, Stemline Therapeutics Inc, Sumitomo Dainippon Pharma Oncology Inc, Taiho Oncology Inc, Takeda Pharmaceuticals USA Inc, TerSera Therapeutics LLC, Tesaro, A GSK Company, TG Therapeutics Inc, Turning Point Therapeutics Inc, Verastem Inc, and Zymeworks Inc.

Research To Practice CME Planning Committee Members, Staff and Reviewers

Planners, scientific staff and independent reviewers for Research To Practice have no relevant conflicts of interest to disclose.

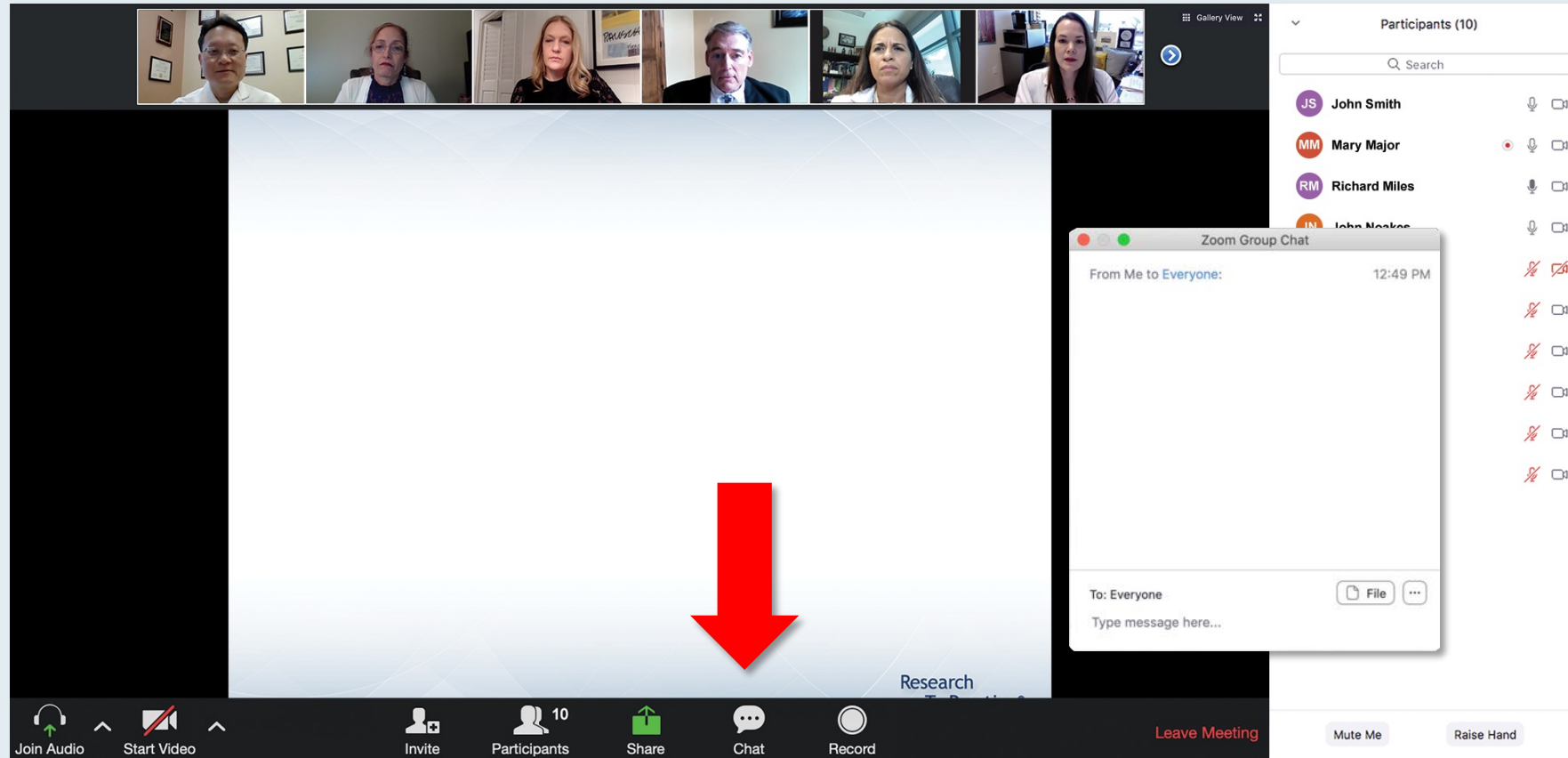
Dr Chaft — Disclosures

Consulting Agreements	Arcus Biosciences, AstraZeneca Pharmaceuticals LP, Bristol Myers Squibb, Flame Biosciences, Genentech, a member of the Roche Group, Guardant Health, Merck, Novartis, Regeneron Pharmaceuticals Inc
------------------------------	---

Dr Heymach — Disclosures

Advisory Committee	AstraZeneca Pharmaceuticals LP, Boehringer Ingelheim Pharmaceuticals Inc, BrightPath Biotherapeutics Co Ltd, Bristol Myers Squibb, Catalyst Pharmaceuticals, Chugai Pharmaceutical Co Ltd, EMD Serono Inc, Genentech, a member of the Roche Group, GSK, Hengrui Therapeutics Inc, Janssen Biotech Inc, Lilly, Mirati Therapeutics Inc, Nexus Health Systems, Pneuma Respiratory, RefleXion, Sanofi, Spectrum Pharmaceuticals Inc, Takeda Pharmaceuticals USA Inc
Research Support	AstraZeneca Pharmaceuticals LP, Boehringer Ingelheim Pharmaceuticals Inc, Spectrum Pharmaceuticals Inc, Takeda Pharmaceuticals USA Inc
Royalties and Licensing Fees	Spectrum Pharmaceuticals Inc

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" featuring six faculty members with their photos and titles:

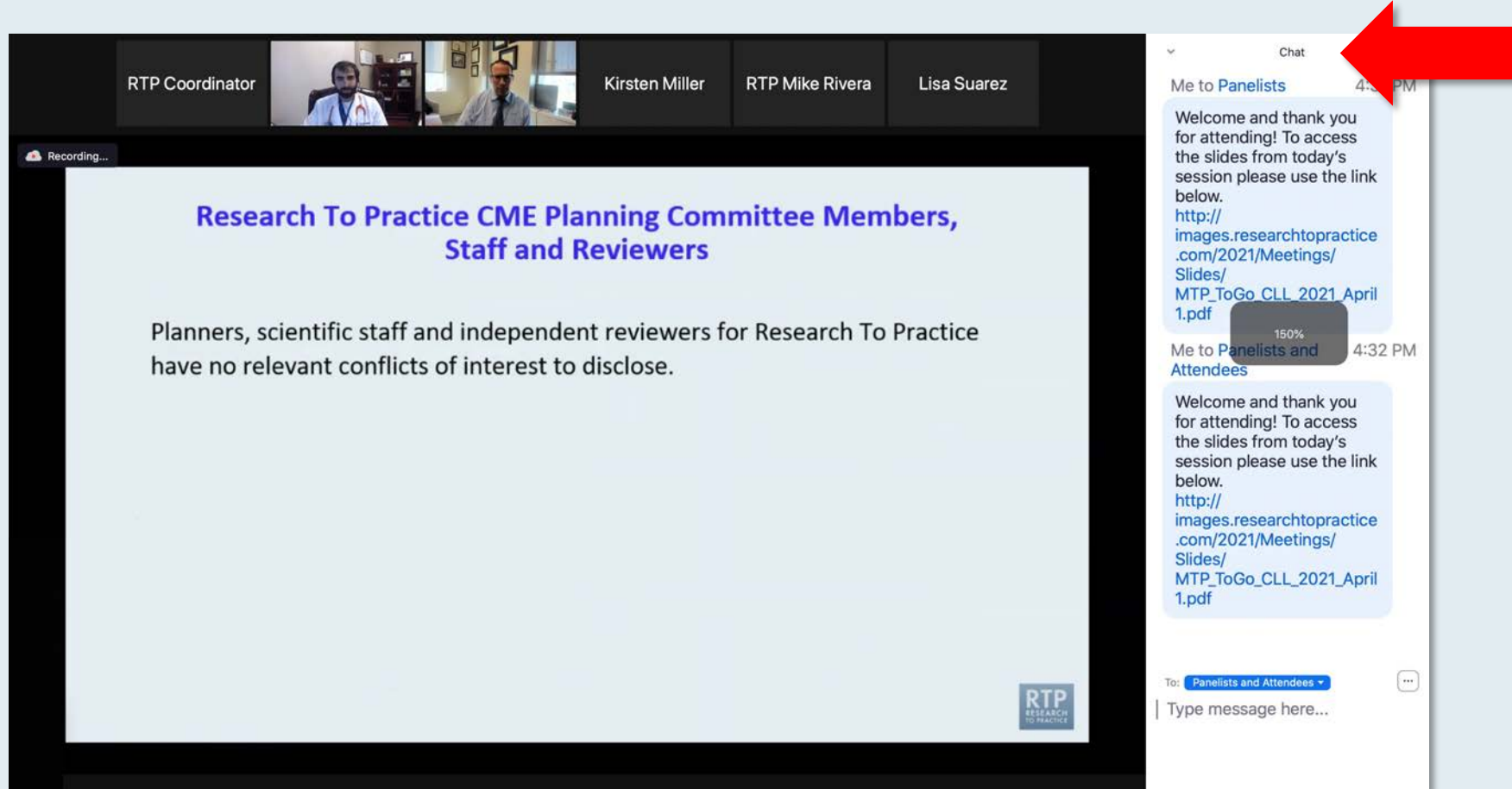
- Nancy L Bartlett, MD**
Professor of Medicine
Koman Chair in Medical Oncology
Washington University School of Medicine
St Louis, Missouri
- Jonathan W Friedberg, MD, MMSc**
Samuel E Durand Professor of Medicine
Director, James P Wilmot Cancer Institute
University of Rochester
Rochester, New York
- Carla 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

On the right side of the interface is a chat window. It shows two messages from "Me to Panelists" and "Me to Panelists and Attendees" at 4:31 PM and 4:32 PM respectively. The messages contain a welcome message and a link to a PDF file. 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 red arrow points to the white line above the text input field, indicating where to drag to expand the submission 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



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

Clinicians in the Audience, Please Complete the Pre- and Postmeeting Surveys

The screenshot shows a Zoom meeting with a title bar at the top displaying "Meet The Professionals: Optimizing the Selection and Sequencing of Therapy for Patients with Gastrointestinal Cancer". Below the title bar, a "Quick Survey" pop-up is visible, listing various treatment combinations with radio buttons for selection. The main content area displays the meeting title, date, time, and the names of the faculty and moderator. A list of participants is shown on the right side of the screen.

Meet The Professionals
Optimizing the Selection and Sequencing of Therapy for Patients with Gastrointestinal Cancer

Wednesday, August 25, 2022
5:00 PM – 6:00 PM EST

Faculty
Wells A Messersmith, MD
Moderator
Neil Love, MD

Quick Survey

- ☐ Ceritinib +/- dexamethasone
- ☐ Pomalidomide +/- dexamethasone
- ☐ Ceritinib + pomalidomide +/- dexamethasone
- ☐ Elotuzumab + lenalidomide +/- dexamethasone
- ☐ Elotuzumab + pomalidomide +/- dexamethasone
- ☐ Daratumumab + lenalidomide +/- dexamethasone
- ☐ Daratumumab + pomalidomide +/- dexamethasone
- ☐ Daratumumab + bortezomib +/- dexamethasone
- ☐ Isaxozim + Rd

Participants (10)

- John Smith
- Mary Major
- Richard Miles
- John Noakes
- Alice Suarez
- Jane Perez
- Robert Stiles
- Juan Fernandez
- Ashok Kumar
- Jeremy Smith

The screenshot shows a Zoom meeting with a title bar at the top displaying "Regulatory and reimbursement issues aside, which treatment would you recommend for a 65-year-old patient with clear cell renal cell carcinoma (ccRCC) who has been on a tyrosine kinase inhibitor (TKI) for 3 years and is found to have asymptomatic (PS 0) disease?". Below the title bar, a "Quick Poll" pop-up is visible, listing various treatment options with radio buttons for selection. The main content area displays the poll question and a list of treatment options. A list of participants is shown on the right side of the screen.

Regulatory and reimbursement issues aside, which treatment would you recommend for a 65-year-old patient with clear cell renal cell carcinoma (ccRCC) who has been on a tyrosine kinase inhibitor (TKI) for 3 years and is found to have asymptomatic (PS 0) disease?

Quick Poll

- ☐ Nivolumab/ipilimumab
- ☐ Avelumab/axitinib
- ☐ Pembrolizumab/axitinib
- ☐ Pembrolizumab/lenvatinib
- ☐ Nivolumab/cabozantinib
- ☐ Tyrosine kinase inhibitor (TKI) monotherapy
- ☐ Anti-PD-1/PD-L1 monotherapy
- ☐ Other

Participants (10)

- John Smith
- Mary Major
- Richard Miles
- John Noakes
- Alice Suarez
- Jane Perez
- Robert Stiles
- Juan Fernandez
- Ashok Kumar
- Jeremy Smith

ONCOLOGY TODAY

WITH DR NEIL LOVE

Special Edition — Key Presentations on Lung Cancer from the 2023 American Society of Clinical Oncology (ASCO) Annual Meeting



DR MATTHEW GUBENS
UNIVERSITY OF CALIFORNIA, SAN FRANCISCO



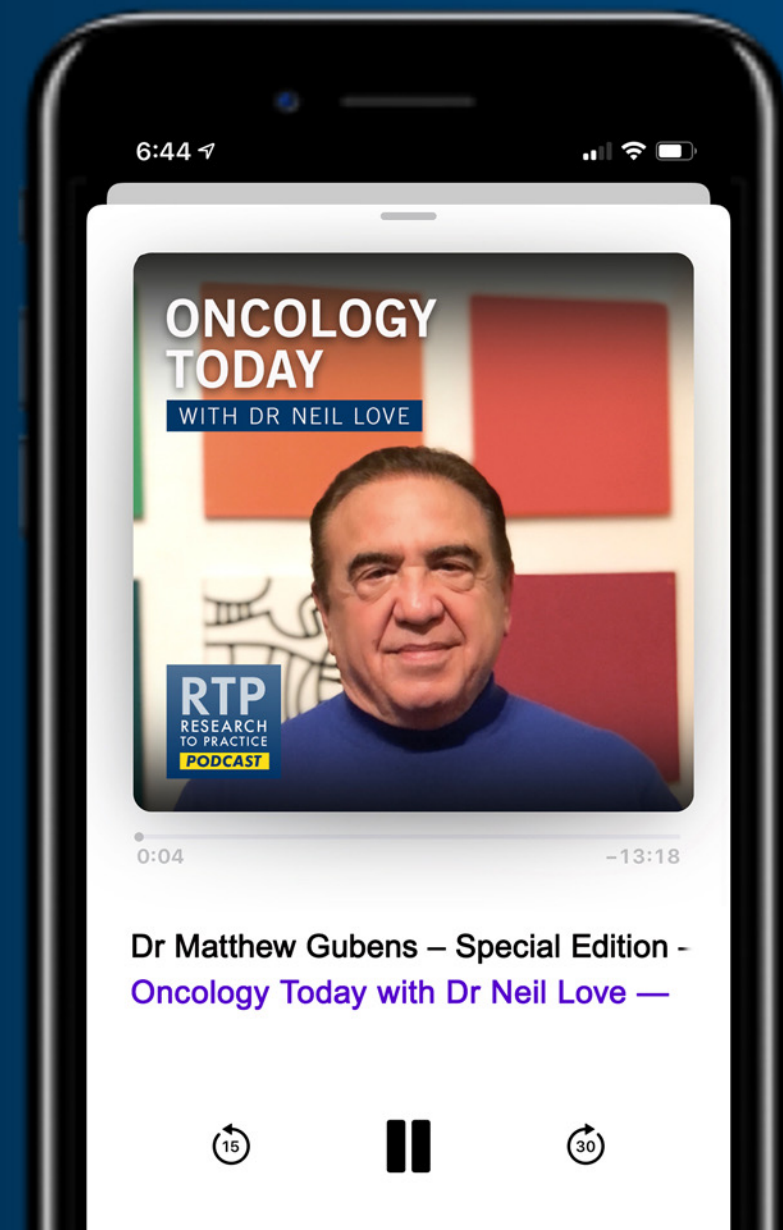
Listen on
Apple Podcasts



Spotify



Listen on
Google Podcasts



What Clinicians Want to Know About the Management of Relapsed/Refractory Mantle Cell Lymphoma

A CME/MOC-Accredited Virtual Event

Tuesday, September 26, 2023

5:00 PM – 6:00 PM ET

Faculty

Toby A Eyre, MBChB, DipMedEd, MRCP, MD

Brad S Kahl, MD

Moderator

Neil Love, MD

Meet The Professor

Optimizing the Management of Gastroesophageal Cancers

**Thursday, September 28, 2023
5:00 PM – 6:00 PM ET**

Faculty

Peter C Enzinger, MD

Moderator

Neil Love, MD

Inside the Issue: Optimizing the Management of Nonmelanoma Skin Cancer

A CME/MOC-Accredited Live Webinar

Tuesday, October 3, 2023

5:00 PM – 6:00 PM ET

Faculty

Nikhil I Khushalani, MD

Anna C Pavlick, DO, MBA

Moderator

Neil Love, MD

Join Us In Person or Virtually

Current Approaches and Future Strategies in Oncology

*A Multitumor Educational Symposium in Partnership
with Florida Cancer Specialists & Research Institute*

Saturday, October 7, 2023

ER-Positive Breast Cancer

7:15 AM – 8:15 AM ET

Faculty

**Harold J Burstein, MD, PhD
Komal Jhaveri, MD**

Prostate Cancer

8:15 AM – 9:15 AM ET

Faculty

**Alicia K Morgans, MD, MPH
Matthew R Smith, MD, PhD**

Moderator

Neil Love, MD

Join Us In Person or Virtually

Current Approaches and Future Strategies in Oncology

*A Multitumor Educational Symposium in Partnership
with Florida Cancer Specialists & Research Institute*

Saturday, October 7, 2023

Non-Small Cell Lung Cancer

9:30 AM – 10:30 AM ET

Faculty

Gregory J Riely, MD, PhD

Heather Wakelee, MD, FASCO

Colorectal and Gastroesophageal Cancers

10:30 AM – 11:30 AM ET

Faculty

Tanios Bekaii-Saab, MD

Philip A Philip, MD, PhD, FRCP

Moderator

Neil Love, MD

Join Us In Person or Virtually

Current Approaches and Future Strategies in Oncology

*A Multitumor Educational Symposium in Partnership
with Florida Cancer Specialists & Research Institute*

Saturday, October 7, 2023

Chronic Lymphocytic Leukemia

11:30 AM – 12:30 PM ET

Faculty

Asher Chanan-Khan, MD

Brad S Kahl, MD

Moderator

Neil Love, MD

Join Us In Person or Virtually

Oncology in the Real World

*A Daylong Multitumor Educational Symposium
in Partnership with the American Oncology Network*

Saturday, October 14, 2023

Lymphoma

**9:30 AM – 10:30 AM PT
(12:30 PM – 1:30 PM ET)**

Faculty

**Christopher R Flowers, MD, MS
Ann S LaCasce, MD, MMSc**

Urothelial Bladder Cancer and Renal Cell Carcinoma

**10:30 AM – 11:30 AM PT
(1:30 PM – 2:30 PM ET)**

Faculty

**Thomas E Hutson, DO, PharmD
Guru P Sonpavde, MD**

Moderator

Neil Love, MD

Join Us In Person or Virtually

Oncology in the Real World

*A Daylong Multitumor Educational Symposium
in Partnership with the American Oncology Network*

Saturday, October 14, 2023

Hepatobiliary and Pancreatic Cancers

**11:50 AM – 12:50 PM PT
(2:50 PM – 3:50 PM ET)**

Faculty

**Mitesh J Borad, MD
Anthony El-Khoueiry, MD**

Gynecologic Cancers

**1:30 PM – 2:30 PM PT
(4:30 PM – 5:30 PM ET)**

Faculty

**Bradley J Monk, MD
Kathleen N Moore, MD, MS**

Moderator

Neil Love, MD

Join Us In Person or Virtually

Oncology in the Real World

*A Daylong Multitumor Educational Symposium
in Partnership with the American Oncology Network*

Saturday, October 14, 2023

Multiple Myeloma

**2:30 PM – 3:30 PM PT
(5:30 PM – 6:30 PM ET)**

Faculty

**Amrita Krishnan, MD
Robert Z Orlowski, MD, PhD**

HER2-Positive and Triple-Negative Breast Cancer

**3:50 PM – 4:50 PM PT
(6:50 PM – 7:50 PM ET)**

Faculty

**Sara A Hurvitz, MD, FACP
Heather McArthur, MD, MPH**

**Moderator
Neil Love, MD**

Thank you for joining us!

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

Inside the Issue: Integrating Targeted and Immunotherapy into the Management of Localized Non-Small Cell Lung Cancer

A CME/MOC-Accredited Live Webinar

Thursday, September 21, 2023

5:00 PM – 6:00 PM ET

Faculty

Jamie E Chافت, MD

John V Heymach, MD, PhD

Moderator

Neil Love, MD

Faculty



Jamie E Chافت, MD
Associate Attending Physician
Thoracic Oncology Service
Memorial Sloan Kettering Cancer Center
New York, New York



Moderator
Neil Love, MD
Research To Practice



John V Heymach, MD, PhD
Professor and Chair
Thoracic/Head and Neck Medical Oncology
The University of Texas MD Anderson Cancer Center
Houston, Texas

Survey Participants



Mark Awad, MD, PhD

Clinical Director, Lowe Center for
Thoracic Oncology
Dana-Farber Cancer Institute
Assistant Professor of Medicine
Harvard Medical School
Boston, Massachusetts



Ramaswamy Govindan, MD

Professor of Medicine
Director, Section of Oncology
Anheuser-Busch Endowed Chair in Medical Oncology
Washington University School of Medicine
St Louis, Missouri



Patrick Forde, MD

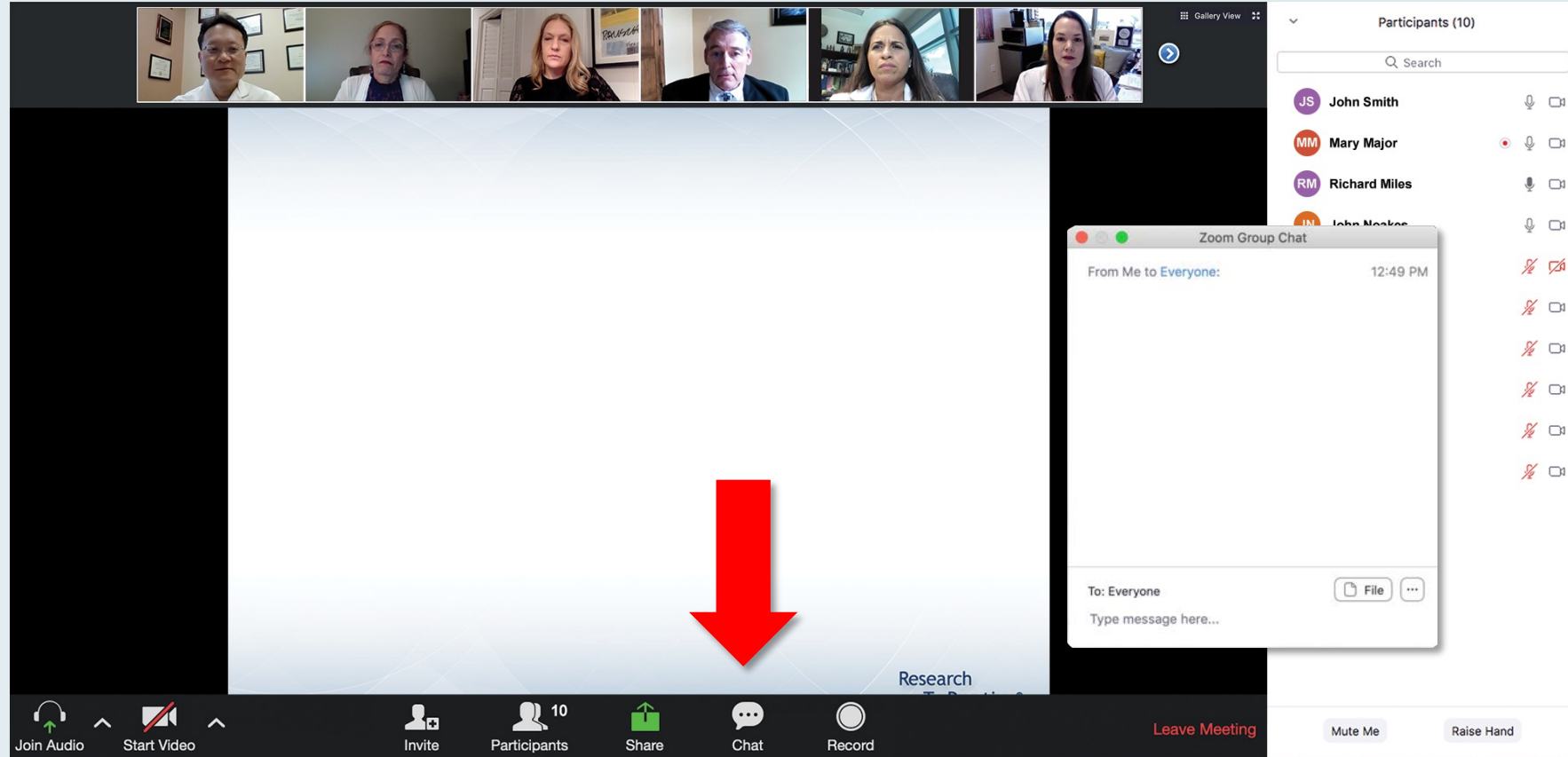
Co-Director, Division of Upper Aerodigestive
Malignancies
Associate Professor of Oncology
Johns Hopkins University
Baltimore, Maryland



Heather Wakelee, MD, FASCO

Professor of Medicine
Chief, Division of Oncology
Deputy Director
Stanford Cancer Institute
President, International Association
for the Study of Lung Cancer (IASLC)
Stanford, California

We Encourage Clinicians in Practice to Submit Questions



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

Clinicians in the Audience, Please Complete the Pre- and Postmeeting Surveys

The screenshot shows a Zoom meeting window. At the top, a row of seven participant video thumbnails is visible. The main content area on the left displays a presentation slide with the following text:
Meet The Professionals
Optimizing the Selection and Timing of Therapy for Patients with Metastatic Gastrointestinal Cancer
Wednesday, August 25, 2022
5:00 PM – 6:00 PM EST
Faculty
Wells A Messersmith, MD
Moderator
Neil Love, MD
The RTP Research to Practice logo is in the bottom right corner of the slide. A 'Quick Survey' pop-up window is centered over the slide, listing various treatment combinations with radio button options. To the right of the main window is a 'Participants (10)' sidebar showing a list of names with their respective status icons (microphone, video, chat). At the bottom of the Zoom window is a toolbar with icons for 'Join Audio', 'Start Video', 'Invite', 'Participants', 'Share', 'Chat', 'Record', and a 'Leave Meeting' button.

Meet The Professionals
Optimizing the Selection and Timing of Therapy for Patients with Metastatic Gastrointestinal Cancer
Wednesday, August 25, 2022
5:00 PM – 6:00 PM EST
Faculty
Wells A Messersmith, MD
Moderator
Neil Love, MD
RTP
RESEARCH TO PRACTICE

Quick Survey

- ☐ Certizomab +/- dexamethasone
- ☐ Pomalidomide +/- dexamethasone
- ☐ Certizomab + pomalidomide +/- dexamethasone
- ☐ Elotuzumab + lenalidomide +/- dexamethasone
- ☐ Elotuzumab + pomalidomide +/- dexamethasone
- ☐ Daratumumab + lenalidomide +/- dexamethasone
- ☐ Daratumumab + pomalidomide +/- dexamethasone
- ☐ Daratumumab + bortezomib +/- dexamethasone
- ☐ Isaxomab + Rd
- ☐ Other

Submit

Participants (10)

- 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

Join Audio Start Video Invite Participants Share Chat Record Leave Meeting

The screenshot shows a Zoom meeting window. At the top, a row of seven participant video thumbnails is visible. The main content area on the left displays a presentation slide with the following text:
Regulatory and reimbursement issues aside, which treatment would you recommend for a 65-year-old patient with clear cell renal cell carcinoma (ccRCC) who has been on a previous systemic therapy and whose follow-up 3 years later is found to have asymptomatic disease (PS 0)?
The slide lists eight options:
1. Nivolumab/ipilimumab
2. Avelumab/axitinib
3. Pembrolizumab/axitinib
4. Pembrolizumab/lenvatinib
5. Nivolumab/cabozantinib
6. Tyrosine kinase inhibitor (TKI) monotherapy
7. Anti-PD-1/PD-L1 monotherapy
8. Other
The RTP Research to Practice logo is in the bottom right corner of the slide. A 'Quick Poll' pop-up window is centered over the slide, listing the same eight options with radio button selection. To the right of the main window is a 'Participants (10)' sidebar showing a list of names with their respective status icons. At the bottom of the Zoom window is a toolbar with icons for 'Join Audio', 'Start Video', 'Invite', 'Participants', 'Share', 'Chat', 'Record', and a 'Leave Meeting' button.

Regulatory and reimbursement issues aside, which treatment would you recommend for a 65-year-old patient with clear cell renal cell carcinoma (ccRCC) who has been on a previous systemic therapy and whose follow-up 3 years later is found to have asymptomatic disease (PS 0)?

1. Nivolumab/ipilimumab
2. Avelumab/axitinib
3. Pembrolizumab/axitinib
4. Pembrolizumab/lenvatinib
5. Nivolumab/cabozantinib
6. Tyrosine kinase inhibitor (TKI) monotherapy
7. Anti-PD-1/PD-L1 monotherapy
8. Other

Quick Poll

- ☐ Nivolumab/ipilimumab
- ☐ Avelumab/axitinib
- ☐ Pembrolizumab/axitinib
- ☐ Pembrolizumab/lenvatinib
- ☐ Nivolumab/cabozantinib
- ☐ Tyrosine kinase inhibitor (TKI) monotherapy
- ☐ Anti-PD-1/PD-L1 monotherapy
- ☐ Other

Submit

Participants (10)

- 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

Join Audio Start Video Invite Participants Share Chat Record Leave Meeting

What Clinicians Want to Know About the Management of Relapsed/Refractory Mantle Cell Lymphoma

A CME/MOC-Accredited Virtual Event

Tuesday, September 26, 2023

5:00 PM – 6:00 PM ET

Faculty

Toby A Eyre, MBChB, DipMedEd, MRCP, MD

Brad S Kahl, MD

Moderator

Neil Love, MD

Meet The Professor

Optimizing the Management of Gastroesophageal Cancers

**Thursday, September 28, 2023
5:00 PM – 6:00 PM ET**

Faculty

Peter C Enzinger, MD

Moderator

Neil Love, MD

Inside the Issue: Optimizing the Management of Nonmelanoma Skin Cancer

A CME/MOC-Accredited Live Webinar

Tuesday, October 3, 2023

5:00 PM – 6:00 PM ET

Faculty

Nikhil I Khushalani, MD

Anna C Pavlick, DO, MBA

Moderator

Neil Love, MD

Join Us In Person or Virtually

Current Approaches and Future Strategies in Oncology

*A Multitumor Educational Symposium in Partnership
with Florida Cancer Specialists & Research Institute*

Saturday, October 7, 2023

ER-Positive Breast Cancer

7:15 AM – 8:15 AM ET

Faculty

**Harold J Burstein, MD, PhD
Komal Jhaveri, MD**

Prostate Cancer

8:15 AM – 9:15 AM ET

Faculty

**Alicia K Morgans, MD, MPH
Matthew R Smith, MD, PhD**

Moderator

Neil Love, MD

Join Us In Person or Virtually

Current Approaches and Future Strategies in Oncology

*A Multitumor Educational Symposium in Partnership
with Florida Cancer Specialists & Research Institute*

Saturday, October 7, 2023

Non-Small Cell Lung Cancer

9:30 AM – 10:30 AM ET

Faculty

Gregory J Riely, MD, PhD

Heather Wakelee, MD, FASCO

Colorectal and Gastroesophageal Cancers

10:30 AM – 11:30 AM ET

Faculty

Tanios Bekaii-Saab, MD

Philip A Philip, MD, PhD, FRCP

Moderator

Neil Love, MD

Join Us In Person or Virtually

Current Approaches and Future Strategies in Oncology

*A Multitumor Educational Symposium in Partnership
with Florida Cancer Specialists & Research Institute*

Saturday, October 7, 2023

Chronic Lymphocytic Leukemia

11:30 AM – 12:30 PM ET

Faculty

Asher Chanan-Khan, MD

Brad S Kahl, MD

Moderator

Neil Love, MD

Join Us In Person or Virtually

Oncology in the Real World

*A Daylong Multitumor Educational Symposium
in Partnership with the American Oncology Network*

Saturday, October 14, 2023

Lymphoma

**9:30 AM – 10:30 AM PT
(12:30 PM – 1:30 PM ET)**

Faculty

**Christopher R Flowers, MD, MS
Ann S LaCasce, MD, MMSc**

Urothelial Bladder Cancer and Renal Cell Carcinoma

**10:30 AM – 11:30 AM PT
(1:30 PM – 2:30 PM ET)**

Faculty

**Thomas E Hutson, DO, PharmD
Guru P Sonpavde, MD**

Moderator

Neil Love, MD

Join Us In Person or Virtually

Oncology in the Real World

*A Daylong Multitumor Educational Symposium
in Partnership with the American Oncology Network*

Saturday, October 14, 2023

Hepatobiliary and Pancreatic Cancers

**11:50 AM – 12:50 PM PT
(2:50 PM – 3:50 PM ET)**

Faculty

**Mitesh J Borad, MD
Anthony El-Khoueiry, MD**

Gynecologic Cancers

**1:30 PM – 2:30 PM PT
(4:30 PM – 5:30 PM ET)**

Faculty

**Bradley J Monk, MD
Kathleen N Moore, MD, MS**

Moderator

Neil Love, MD

Join Us In Person or Virtually

Oncology in the Real World

*A Daylong Multitumor Educational Symposium
in Partnership with the American Oncology Network*

Saturday, October 14, 2023

Multiple Myeloma

**2:30 PM – 3:30 PM PT
(5:30 PM – 6:30 PM ET)**

Faculty

**Amrita Krishnan, MD
Robert Z Orlowski, MD, PhD**

HER2-Positive and Triple-Negative Breast Cancer

**3:50 PM – 4:50 PM PT
(6:50 PM – 7:50 PM ET)**

Faculty

**Sara A Hurvitz, MD, FACP
Heather McArthur, MD, MPH**

**Moderator
Neil Love, MD**

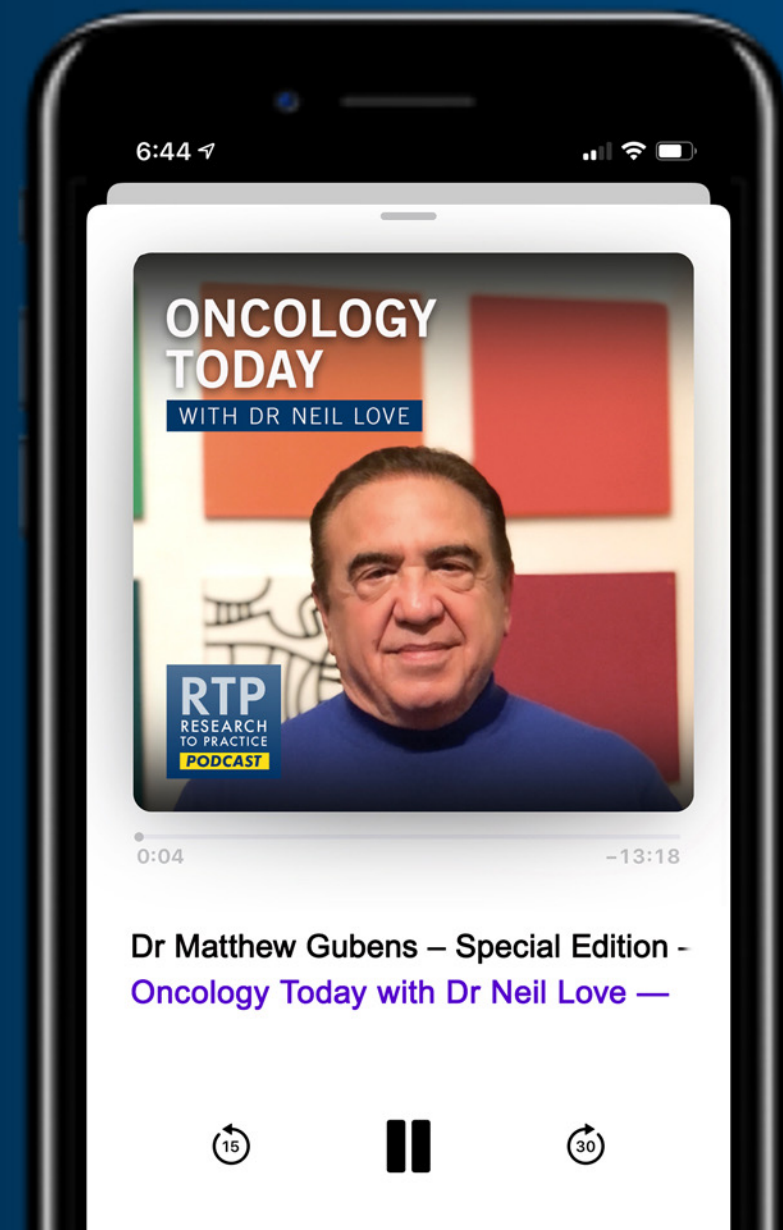
ONCOLOGY TODAY

WITH DR NEIL LOVE

Special Edition — Key Presentations on Lung Cancer from the 2023 American Society of Clinical Oncology (ASCO) Annual Meeting



DR MATTHEW GUBENS
UNIVERSITY OF CALIFORNIA, SAN FRANCISCO



Inside the Issue: Integrating Targeted and Immunotherapy into the Management of Localized Non-Small Cell Lung Cancer

A CME/MOC-Accredited Live Webinar

Thursday, September 21, 2023

5:00 PM – 6:00 PM ET

Faculty

Jamie E Chافت, MD

John V Heymach, MD, PhD

Moderator

Neil Love, MD

Commercial Support

This activity is supported by educational grants from AstraZeneca Pharmaceuticals LP and Merck.

Research To Practice CME Planning Committee Members, Staff and Reviewers

Planners, scientific staff and independent reviewers for Research To Practice have no relevant conflicts of interest to disclose.

Dr Chaft — Disclosures

Consulting Agreements	Arcus Biosciences, AstraZeneca Pharmaceuticals LP, Bristol Myers Squibb, Flame Biosciences, Genentech, a member of the Roche Group, Guardant Health, Merck, Novartis, Regeneron Pharmaceuticals Inc
------------------------------	---

Dr Heymach — Disclosures

Advisory Committee	AstraZeneca Pharmaceuticals LP, Boehringer Ingelheim Pharmaceuticals Inc, BrightPath Biotherapeutics Co Ltd, Bristol Myers Squibb, Catalyst Pharmaceuticals, Chugai Pharmaceutical Co Ltd, EMD Serono Inc, Genentech, a member of the Roche Group, GSK, Hengrui Therapeutics Inc, Janssen Biotech Inc, Lilly, Mirati Therapeutics Inc, Nexus Health Systems, Pneuma Respiratory, RefleXion, Sanofi, Spectrum Pharmaceuticals Inc, Takeda Pharmaceuticals USA Inc
Research Support	AstraZeneca Pharmaceuticals LP, Boehringer Ingelheim Pharmaceuticals Inc, Spectrum Pharmaceuticals Inc, Takeda Pharmaceuticals USA Inc
Royalties and Licensing Fees	Spectrum Pharmaceuticals Inc



Novel Approaches to Adjuvant Treatment for Localized NSCLC

John Heymach MD, PhD
Chair, Thoracic/Head and Neck Medical Oncology
David Bruton, Jr. Chair in Cancer Research
MD Anderson Cancer Center

Research To Practice

Sept. 15, 2023

THE UNIVERSITY OF TEXAS
MDAnderson
Cancer Center
Making Cancer History®



Memorial Sloan Kettering
Cancer Center

The Evolving Role of Neoadjuvant Therapy for Localized Non-Small Cell Lung Cancer

September 18, 2023

Jamie Chافت

www.MSKCC.org



Memorial Sloan Kettering
Cancer Center

Key Data Sets

John V Heymach, MD, PhD

- Felip E et al. Adjuvant atezolizumab after adjuvant chemotherapy in resected stage IB-IIIA non-small-cell lung cancer (IMpower010): A randomised, multicentre, open-label, phase 3 trial. *Lancet* 2021 October 9;398(10308):1344-57.
- Felip E et al. Overall survival with adjuvant atezolizumab after chemotherapy in resected stage II-IIIA non-small-cell lung cancer (IMpower010): A randomised, multicentre, open-label, phase III trial. *Ann Oncol* 2023 July 17;[Online ahead of print].
- Paz-Ares L et al. Pembrolizumab (pembro) versus placebo for early-stage non-small cell lung cancer (NSCLC) following complete resection and adjuvant chemotherapy (chemo) when indicated: Randomized, triple-blind, phase III EORTC-1416-LCG/ETOP 8-15 – PEARLS/KEYNOTE-091 study. *Annals Oncology* 2022;33(4):451-3.
- O'Brien M et al. Pembrolizumab versus placebo as adjuvant therapy for completely resected stage IB-IIIA non-small-cell lung cancer (PEARLS/KEYNOTE-091): An interim analysis of a randomised, triple-blind, phase 3 trial. *Lancet Oncol* 2022 October;23(10):1274-86.

Key Data Sets

John V Heymach, MD, PhD (continued)

- Chang JY et al. Stereotactic ablative radiotherapy with or without immunotherapy for early-stage or isolated lung parenchymal recurrent node-negative non-small-cell lung cancer: An open-label, randomised, phase 2 trial. *Lancet* 2023 September 9;402(10405):871-81.
- Wu Y-L et al. Osimertinib in resected EGFR-mutated non-small-cell lung cancer. *N Engl J Med* 2020;383:1711-23.
- Tsuboi M et al. Overall survival with osimertinib in resected EGFR-mutated. *N Engl J Med* 2023 July 13;389(2):137-47.
- Solomon BJ et al. ALINA: A phase III study of alectinib versus chemotherapy as adjuvant therapy in patients with stage IB-IIIa anaplastic lymphoma kinase-positive (ALK+) non-small cell lung cancer (NSCLC). ASCO 2019;Abstract TPS8569.

Key Data Sets

Jamie E Chaft, MD

- Girard N et al. Neoadjuvant nivolumab (N) + platinum-doublet chemotherapy (C) for resectable NSCLC: 3-y update from CheckMate 816. ELCC 2023;Abstract 84O.
- Wakelee H et al. KEYNOTE-671: Randomized, double-blind, phase 3 study of pembrolizumab or placebo plus platinum-based chemotherapy followed by resection and pembrolizumab or placebo for early stage NSCLC. ASCO 2023;Abstract LBA100.
- Wakelee H et al. Perioperative pembrolizumab for early-stage non-small-cell lung cancer. *N Engl J Med* 2023 August 10;389(6):491-503.
- Heymach JV et al. AEGEAN: A phase 3 trial of neoadjuvant durvalumab + chemotherapy followed by adjuvant durvalumab in patients with resectable NSCLC. AACR 2023;Abstract CT005.
- Forde PM et al. nivolumab plus chemotherapy in resectable lung cancer. *N Engl J Med* 2022 May 26;386(21):1973-85.
- NeoADAURA: A study of osimertinib with or without chemotherapy versus chemotherapy alone as neoadjuvant therapy for patients with EGFRm positive resectable non-small cell lung cancer. NCT04351555

Agenda

INTRODUCTION: Patient Involvement in (Neo)Adjuvant Treatment Decisions

MODULE 1: Targetable Treatment in Localized Disease

MODULE 2: Immunotherapy in Localized Disease

Agenda

INTRODUCTION: Patient Involvement in (Neo)Adjuvant Treatment Decisions

MODULE 1: Targetable Treatment in Localized Disease

MODULE 2: Immunotherapy in Localized Disease

HOW WELL DO WE COMMUNICATE WITH OUR PATIENTS?

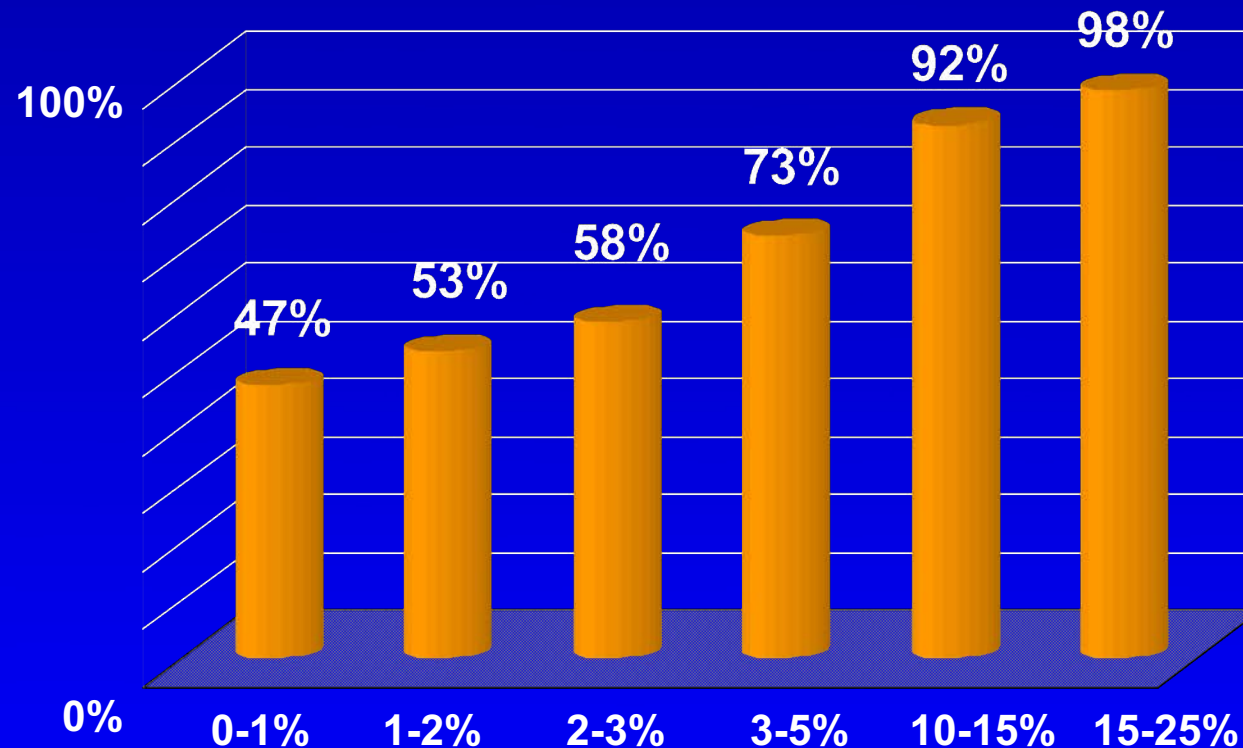
A stylized illustration of two human profiles facing each other, rendered in shades of blue. A dashed white line connects the mouths of the two profiles, forming a shape that resembles a speech bubble or a path of communication. The background is a solid dark blue.

A Survey of Patients Who Received Adjuvant Chemotherapy for Colorectal Cancer

Neil Love, MD; Carma Bylund, PhD; Neal J Meropol, MD; John Marshall, MD;
Steven A Curley, MD; Lee M Ellis, MD; Axel Grothey, MD; Heinz-Josef Lenz,
MD; Leonard B Saltz, MD; Melanie Elder, BBA; Kathryn Ault Ziel, PhD;
Douglas Paley, BA; Ginelle Suarez, BS; Erin Wall, BS

Australian Breast Cancer Patient Preference Study

What benefit would you require to receive chemotherapy?



Mortality Reduction Needed to Accept Adjuvant Chemotherapy

Sources: J Natl Cancer Inst Monogr 2001;30:146-52. Williams CJ, editor. Introducing new treatments for cancer: Practical, ethical and legal problems. London (UK): Wiley; 1992. p 447–58. Simes J, Coates AS. Intl Cancer Institute Monograph 2001;30:146-52.

Trade-Off Situations Presented After Review of Audio Program

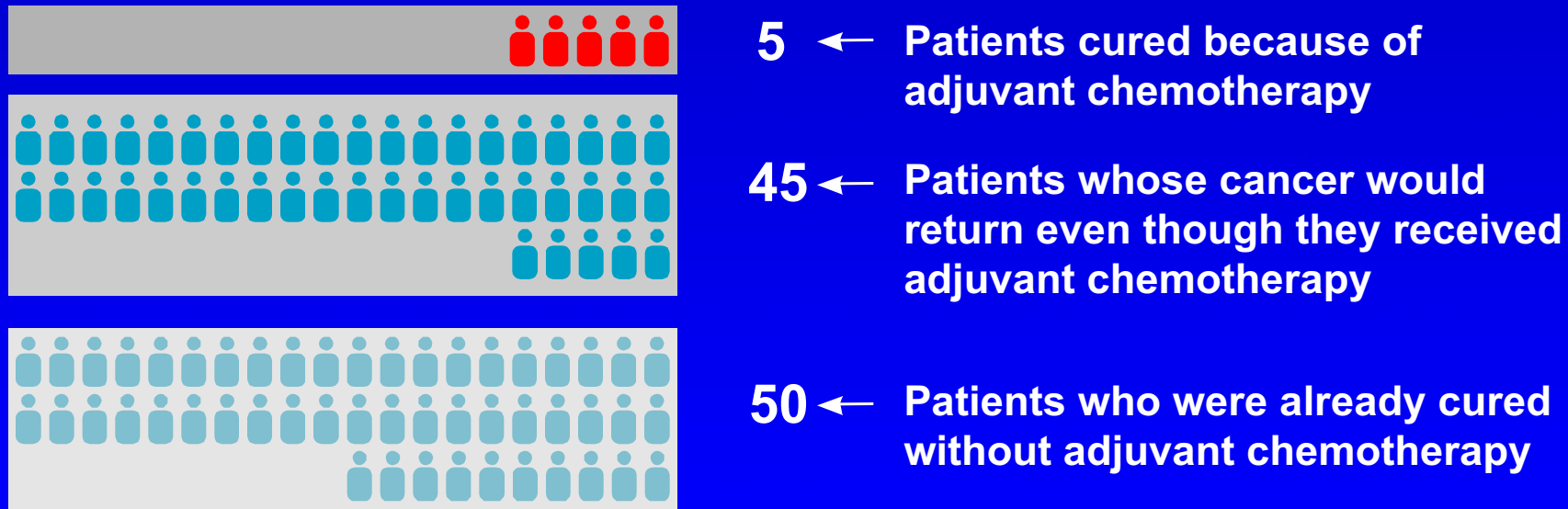
	Recurrence Risk		
Scenario	Baseline	With Chemotherapy	Absolute Benefit
1	50%	49%	1%
2	20%	19%	1%
3	20%	17%	3%
4	50%	45%	5%
5	20%	15%	5%
6	50%	40%	10%

Graphic Presentation of Scenarios

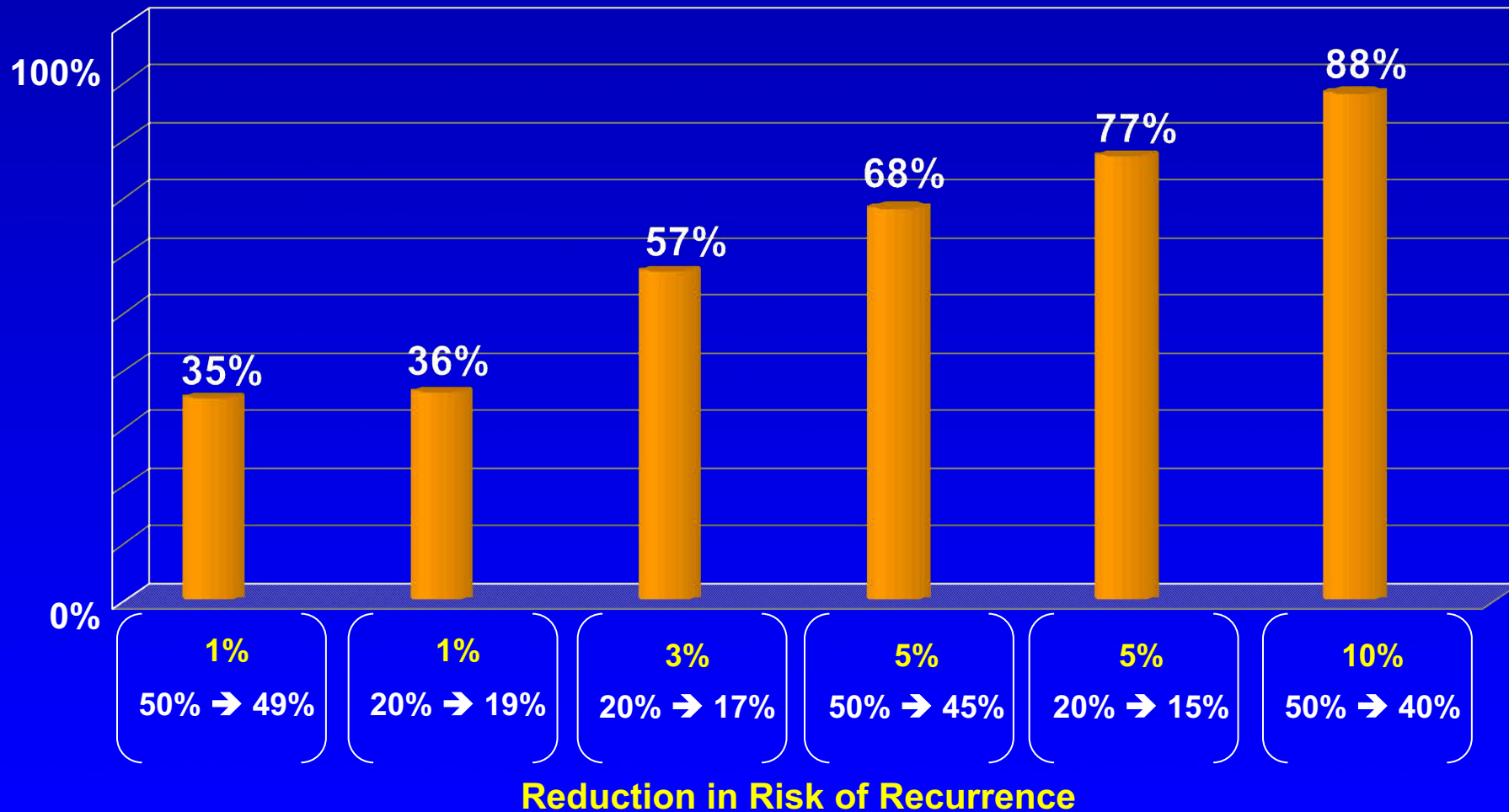
Scenario 4

- Baseline recurrence risk: 50%
- Risk with chemotherapy: 45%

Would you receive treatment again?



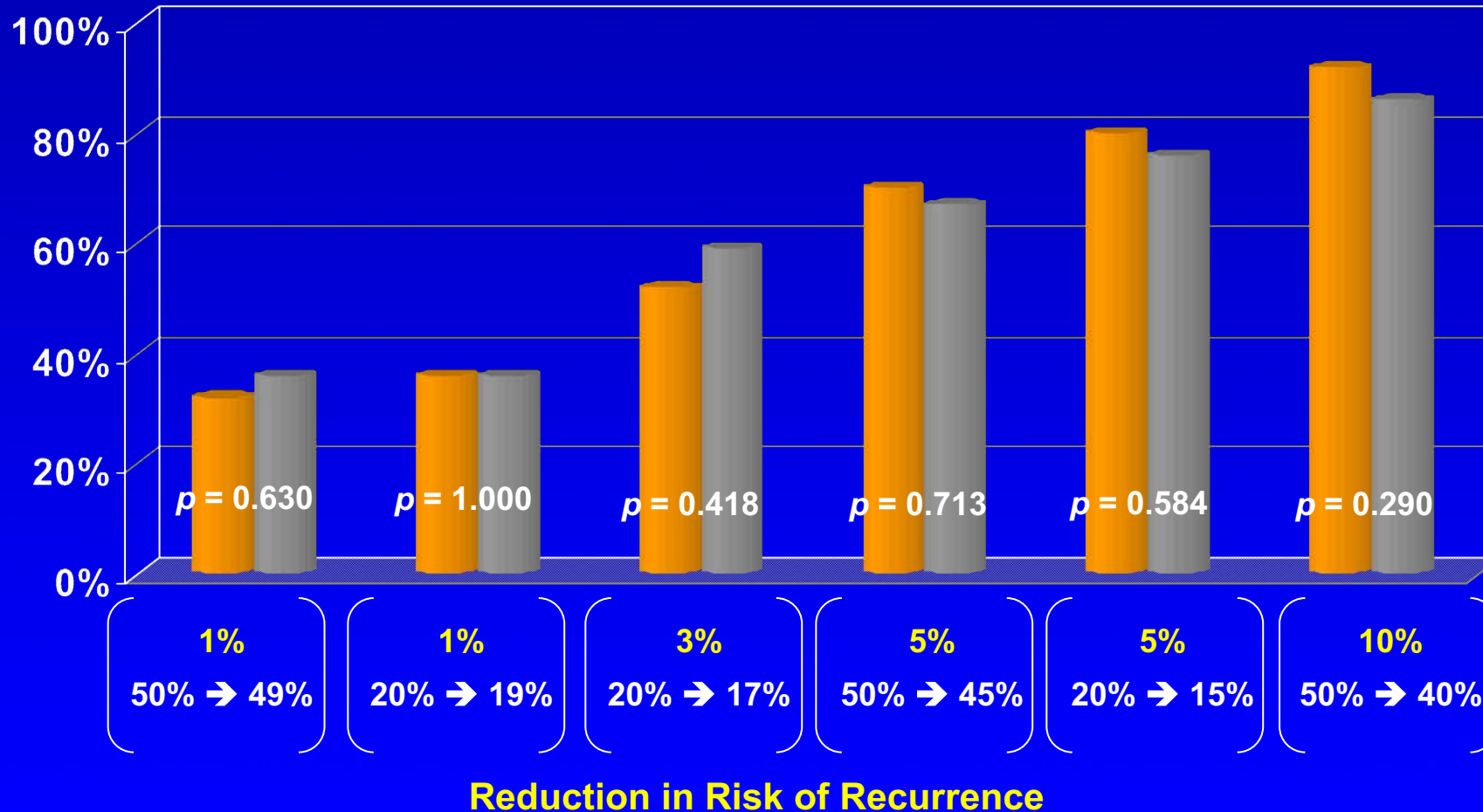
Percent of Patients Who Would be Treated Again for Various Reductions in Risk of Recurrence



Survey of 150 patients with colorectal cancer: 2006

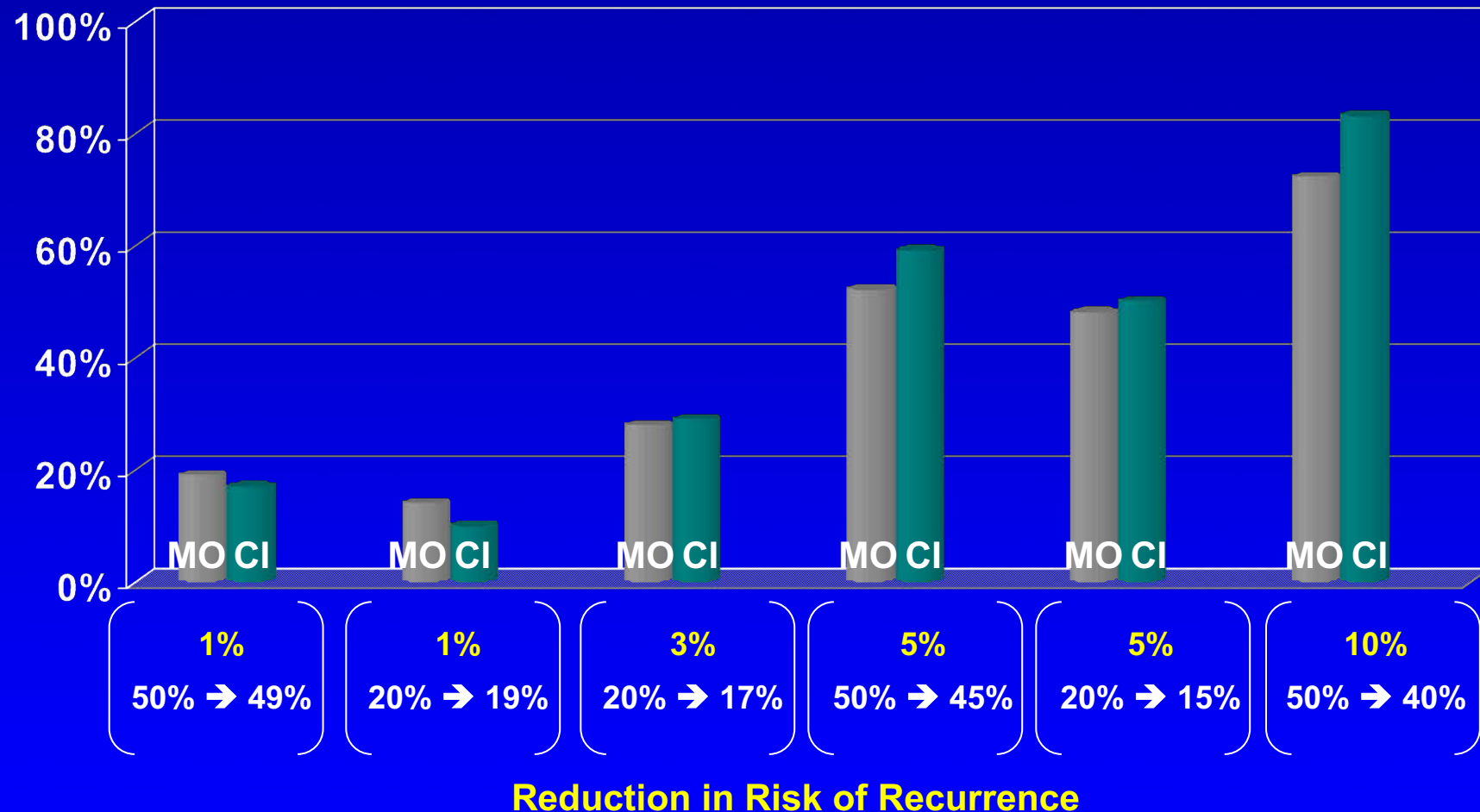
Percent of Patients Who Would be Treated Again for Various Reductions in Risk of Recurrence

Male Female



Male: n = 50; female: n = 100

Predictions of Patient Trade-Offs (Medical Oncologists and Clinical Investigators)



RTP CRC Patient Project Findings Publicized Nationally

USA TODAY · MONDAY, JANUARY 22, 2007 · 5D

Study: Doctors out of sync with cancer patients' wishes

By Liz Szabo
USA TODAY

ORLANDO — A new study sheds light on the hardships that cancer patients are willing to endure in the hope of a cure — as well as the communication gap between patients and their doctors.

In a study of 150 patients presented Sunday at the 2007 Gastrointestinal Cancers Symposium, researchers found that many colorectal cancer patients were willing to undergo chemotherapy, even when the potential benefit was very small.

Researchers posed a hypothetical question to patients who had already been treated with surgery and drugs: Would they again have chemo — which can cause diarrhea, nausea and crushing fatigue — if it cut the risk of relapse by 1%? About 35% said they would.

Doctors weren't very good at judging patients' responses, the survey shows. Of 150 interviewed, only 19% of doctors and 17% of researchers thought patients would agree, says Neil Love, the study's lead author and president

of a Miami medical education company called Research to Practice.

It's easy to understand why doctors and patients don't always communicate well, says Neal Meropol, director of gastrointestinal cancer at Philadelphia's Fox Chase Cancer Center. Overwhelmed patients may not be able to concentrate during office visits, especially when dealing with technical medical terms.

The study revealed other communication gaps, Love says. About 60% of patients say they weren't given the chance to join a clinical trial. Yet 81% wished they had gotten such information.

Leonard Saltz, a co-author and colorectal cancer researcher at New York's Memorial Sloan-Kettering Cancer Center, noted that the study had important limitations. Patients who answered the survey may be more positive about chemo than others. "They had already had chemo and lived to tell about it, so they are probably already leaning in that direction," Saltz says.

Love now plans to interview patients before they have chemo. Sanofi-Aventis, which makes cancer drugs, paid for the survey.

www.usatoday.com

USA
TODAY

Life
SECTION D

Monday, January 22, 2007

Would you say yes to chemotherapy?







Most doctors underestimated patients' willingness to take harsh therapies in exchange for a greater chance of remaining cancer-free.

■ = Patients who said yes
□ = Doctors who predicted patients would say yes

Would you get chemo if it cut your risk of relapse from 50% to ...		Yes	
		Patients	Doctors
49%		35%	19%
45%		68%	52%
40%		88%	72%







Source: Neil Love,
2007 Gastrointestinal Cancers Symposium

Regulatory and reimbursement issues aside, in general, which adjuvant treatment would you recommend for an otherwise healthy 65-year-old patient with Stage IIA nonsquamous NSCLC with an EGFR exon 19 deletion and a PD-L1 TPS of 50%? What would you estimate to be the approximate risk of recurrence if the patient did versus did not receive adjuvant therapy?







	Adjuvant treatment	Risk of recurrence	
		Without treatment	With treatment
 Dr Chaft	Osimertinib	45%	15%
 Dr Heymach	Chemotherapy → osimertinib	30%	10%
 Dr Awad	Chemotherapy → osimertinib	35%	20%
 Dr Forde	Chemotherapy → osimertinib	40%	10%
 Dr Govindan	Chemotherapy → osimertinib	30%	20%
 Dr Wakelee	Chemotherapy → osimertinib	70%	20%

TPS = tumor proportion score







Regulatory and reimbursement issues aside, which of the following would you most likely recommend as adjuvant therapy for a patient with completely resected Stage IIB lung adenocarcinoma and an EGFR-activating mutation? What would you estimate to be the approximate risk of recurrence if the patient *did* versus *did not* receive adjuvant therapy?

		Adjuvant treatment	Risk of recurrence	
			Without treatment	With treatment
	Dr Chaff	Chemotherapy → osimertinib	60%	30%
	Dr Heymach	Chemotherapy → osimertinib	45%	12%
	Dr Awad	Chemotherapy → osimertinib	40%	25%
	Dr Forde	Chemotherapy → osimertinib	50%	15%
	Dr Govindan	Chemotherapy → osimertinib	50%	30%
	Dr Wakelee	Chemotherapy → osimertinib	70%	20%

Regulatory and reimbursement issues aside, in general, which adjuvant treatment would you recommend for an otherwise healthy 65-year-old patient with Stage IIA nonsquamous NSCLC and a PD-L1 TPS of 50%? What would you estimate to be the approximate risk of recurrence if the patient did versus did not receive adjuvant therapy?

		Adjuvant treatment	Risk of recurrence	
			Without treatment	With treatment
	Dr Chaff	Carboplatin-based chemotherapy → atezolizumab	45%	20%
	Dr Heymach	Carboplatin-based chemotherapy → atezolizumab	45%	30%
	Dr Awad	Cisplatin-based chemotherapy → pembrolizumab	35%	20%
	Dr Forde	Cisplatin-based chemotherapy → atezolizumab	40%	10%-15%
	Dr Govindan	Cisplatin-based chemotherapy → atezolizumab	30%	25%
	Dr Wakelee	Cisplatin-based chemotherapy → atezolizumab	70%	25%

Regulatory and reimbursement issues aside, in general, which adjuvant treatment would you most likely recommend for an otherwise healthy 65-year-old patient with completely resected Stage IIB adenocarcinoma of the lung and a PD-L1 TPS of 50%? What would you estimate to be the approximate risk of recurrence if the patient did versus did not receive adjuvant therapy?

		Adjuvant treatment	Risk of recurrence	
			Without treatment	With treatment
	Dr Chaff	Cisplatin-based chemotherapy → atezolizumab	60%	30%
	Dr Heymach	Carboplatin-based chemotherapy → atezolizumab	60%	25%
	Dr Awad	Cisplatin-based chemotherapy → pembrolizumab	40%	25%
	Dr Forde	Cisplatin-based chemotherapy → atezolizumab	50%	25%
	Dr Govindan	Cisplatin-based chemotherapy → pembrolizumab	50%	30%
	Dr Wakelee	Cisplatin-based chemotherapy → atezolizumab	70%	30%-35%

Agenda

INTRODUCTION: Patient Involvement in (Neo)Adjuvant Treatment Decisions

MODULE 1: Targetable Treatment in Localized Disease

MODULE 2: Immunotherapy in Localized Disease







Case Presentation – Dr Heymach: targeted therapy

- 51-year-old non-smoker, mother of 5, found to have LUL mass in 2021
 - PS 0, exercises diligently, highly active and motivated.
- After resection found to have stage II lung adeno (T2N1M0), PD-L1<1%.
- On sequencing found to have RET fusion.

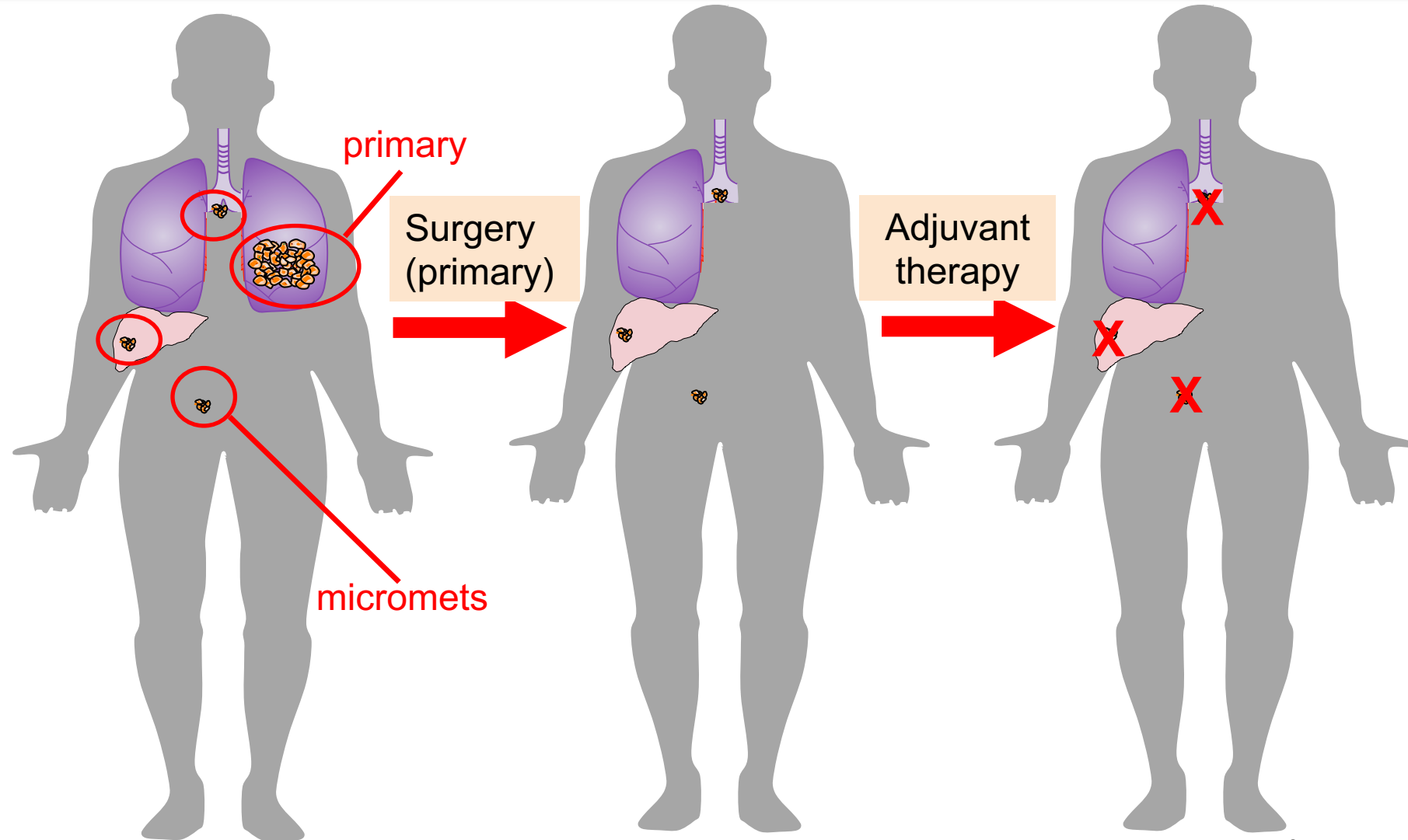
Case Presentation – Dr Heymach: targeted therapy (continued)

- Patient requests adjuvant selpercatinib but SOC is discussed with patient, chemo is offered.
- Patient reluctantly completes 4 cycles of cis/pemetrexed uneventfully.
- She requests ctDNA monitoring.
- After 1-year ctDNA is positive and solitary liver metastasis observed.
- Liver met resected and (sort of) adjuvant selpercatinib started.
- Patient remains recurrence free July 2023.

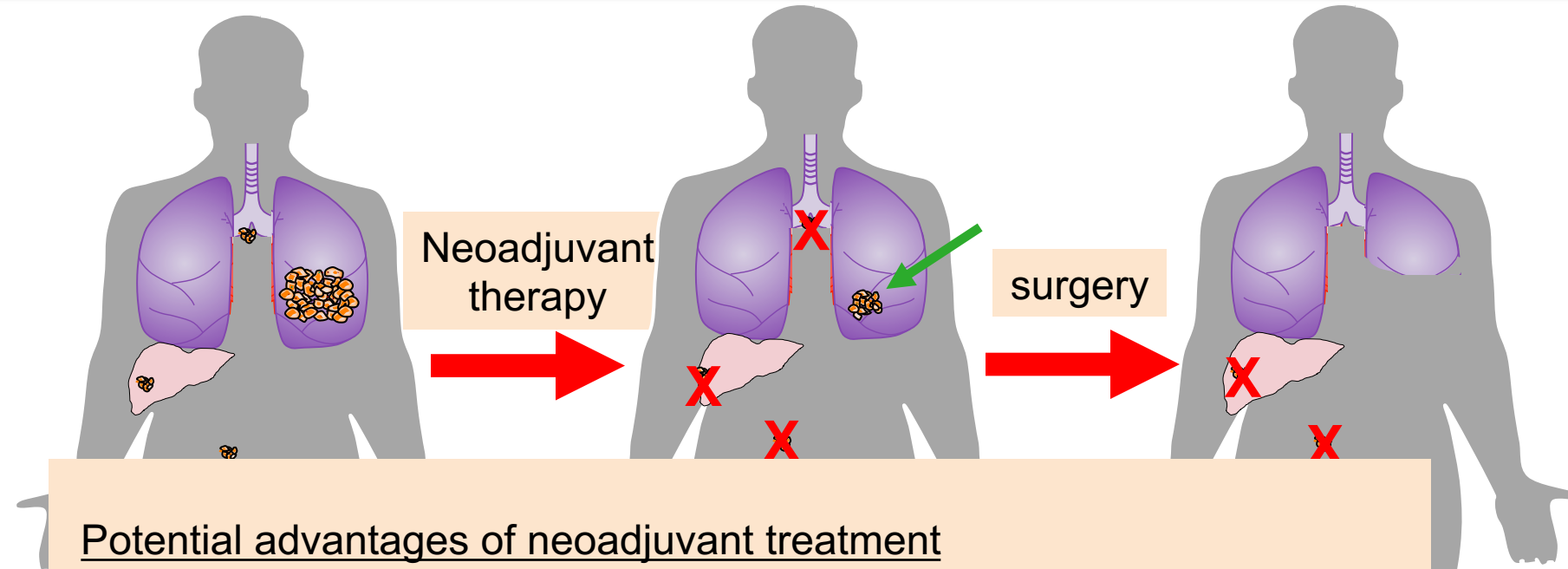
Have you recommended or would you recommend targeted therapy in the adjuvant setting for a patient with NSCLC and ...?

		An EGFR mutation	An ALK rearrangement	A RET rearrangement
	Dr Chافت	Yes	Yes	No
	Dr Heymach	Yes	Yes	Yes
	Dr Awad	Yes	Yes	No
	Dr Forde	Yes	Yes	No
	Dr Govindan	Yes	No	No
	Dr Wakelee	Yes	Yes	No

The primary goal of adjuvant treatment is to eliminate micrometastatic disease



Neoadjuvant treatment can “downstage” the primary tumor, potentially making surgery less morbid and clearing mediastinum



Potential advantages of neoadjuvant treatment

- Analysis of tumor response (MPR, pCR)
- Enhance anti-tumor immunity when more tumor antigens are present
- Earlier treatment of micromets and increased compliance

Potential advantages of adjuvant treatment

- More rapid removal of tumor
- No need for profiling prior to surgery

Overview



Cisplatin-based chemo

Adj osimertinib

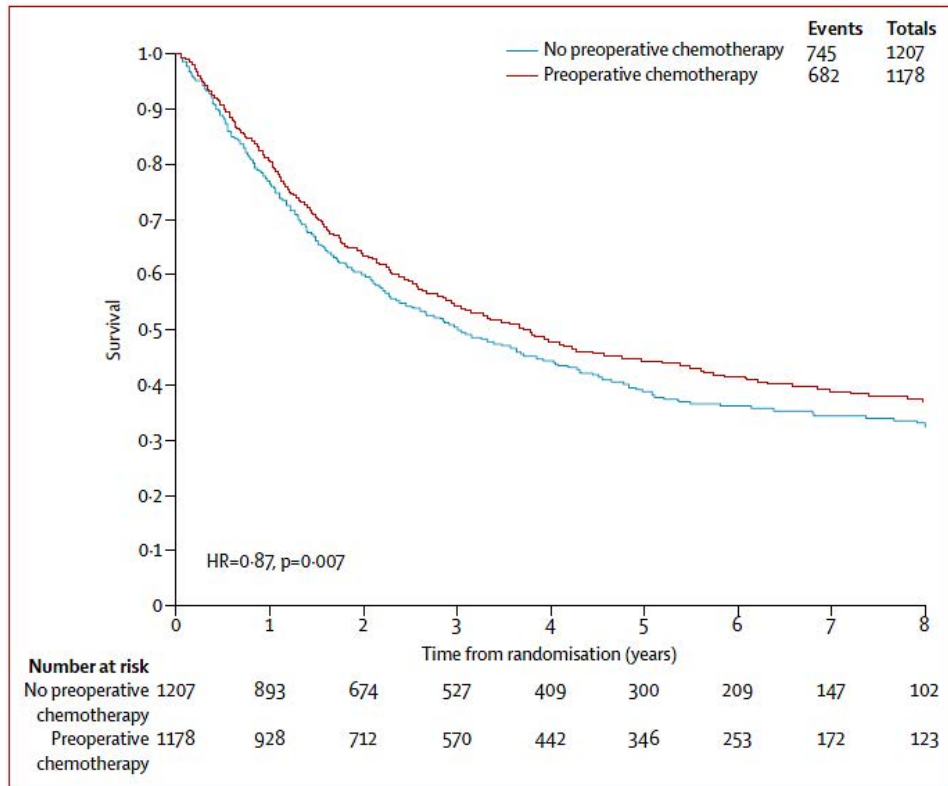
Adj atezo
Adj pembro

*Adj alectinib

Neoadj chemo-nivo

*Periop chemo-pembro

*Periop chemo-durva



*Positive trial readouts with anticipated FDA approvals

Neoadj therapy meta-analysis equivalent
HR to adjuvant therapy 0.87

Courtesy of Jamie E Chaft, MD



Memorial Sloan Kettering
Cancer Center

ADAURA study design: Adjuvant osimertinib for resectable EGFR mutant NSCLC

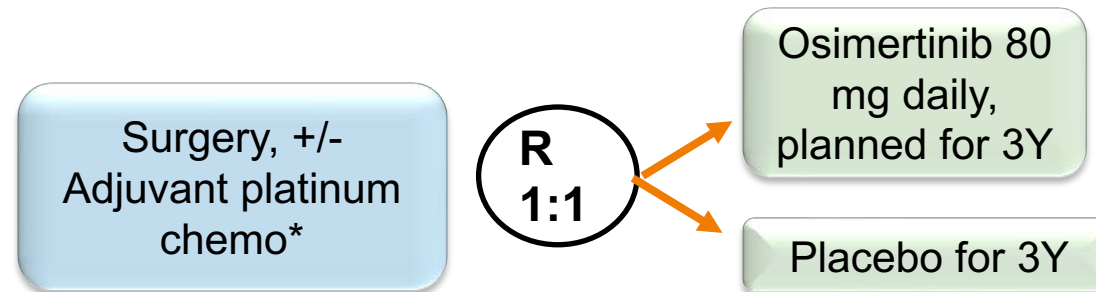
N=682

Key eligibility

- Stage IB-IIIa
- EGFRm (Ex19del, L858R)
- Complete resection with negative margins
- Max. interval between surgery and randomization: 10weeks (w/o adjuvant), 26w (w/adjuvant)

Stratification:

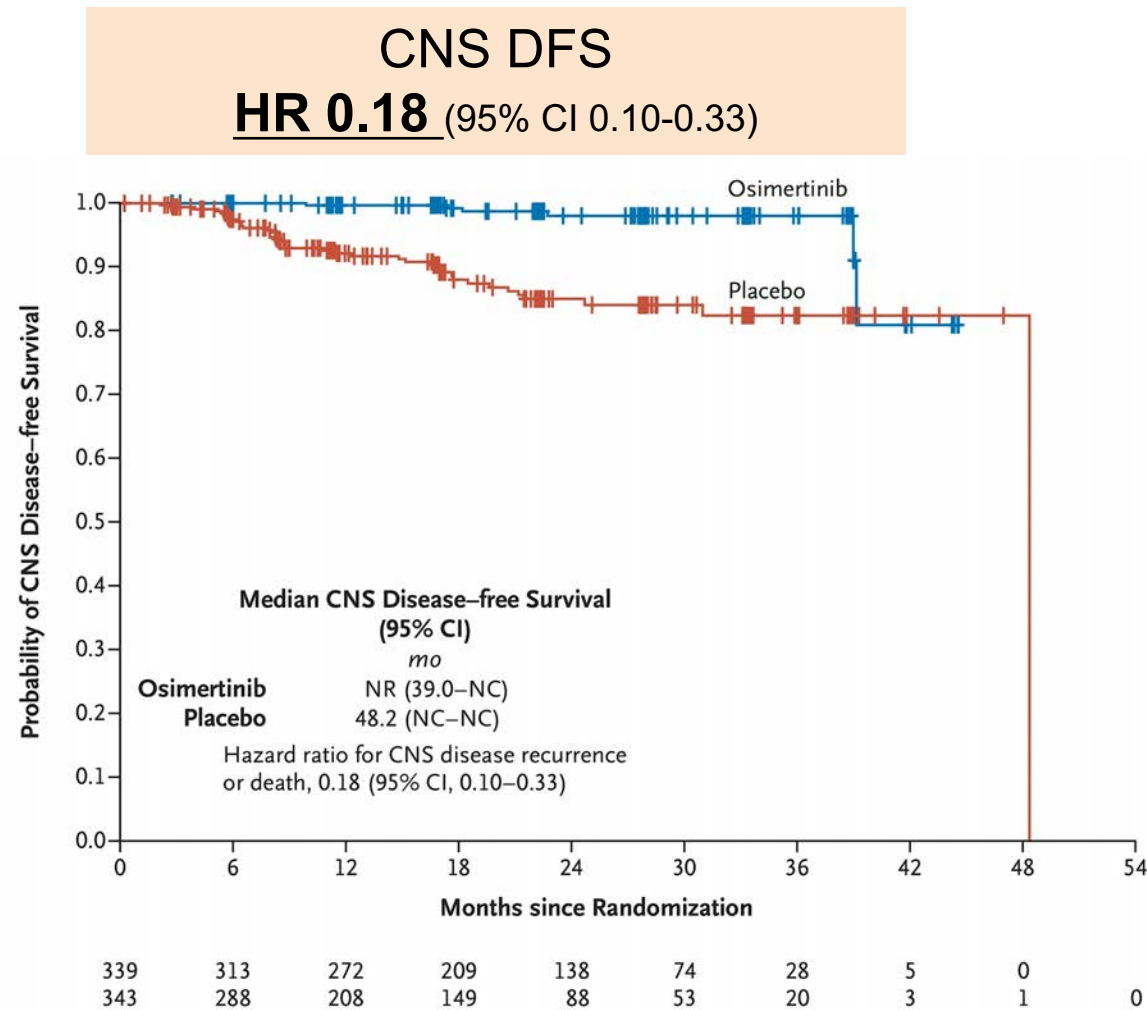
- Stage (IB vs II vs IIIa)
- EGFRm (Ex19del vs L858R)
- race (Asian vs non-Asian)



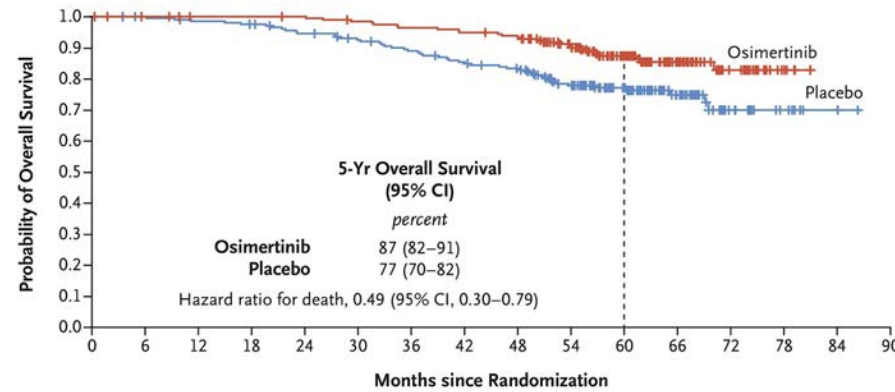
Primary endpoint : DFS, by investigator assessment, in stage II/IIIa patients; designed for superiority under the assumed DFS HR of 0.70

Secondary endpoints include: OS; DFS in the overall population; DFS at 2, 3, 4, and 5 years; safety, health-related QOL

ADAURA: Adjuvant osimertinib for resectable EGFR mutant NSCLC – CNS DFS

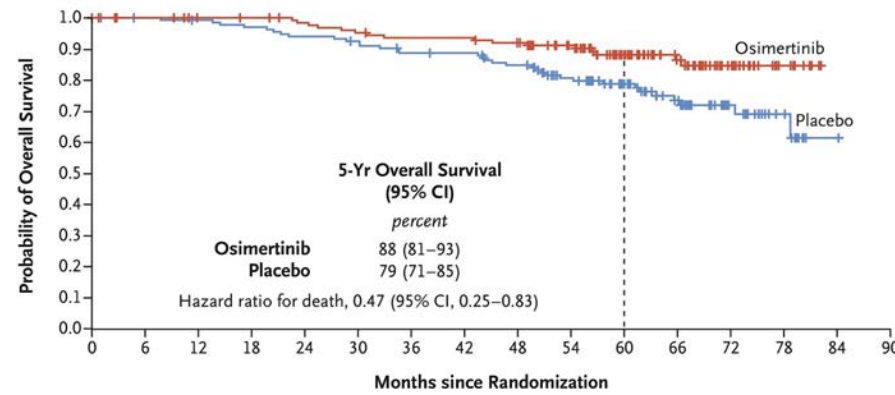


ADAURA: OS benefit among those who did or did not receive adjuvant chemotherapy



No. at Risk																	
Osimertinib	203	200	197	197	196	192	188	185	182	155	104	58	25	7	0		
Placebo	207	204	200	197	189	182	174	166	159	133	92	48	19	7	2		0

Received adjuvant
chemo
HR 0.49 (95% CI, 0.30-.79)



No. at Risk																
Osimertinib	136	132	128	127	123	119	116	116	112	97	72	50	25	8	0	
Placebo	136	134	132	129	125	122	116	115	108	90	72	49	25	10	1	0

Did not receive
adjuvant chemo
HR 0.47 (95% CI, 0.25-.83)

ALINA study design: Adjuvant alectinib for resectable ALK mutant NSCLC

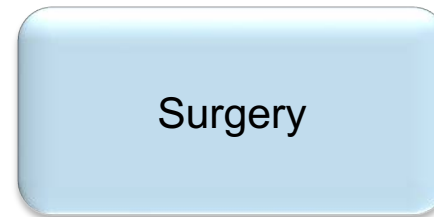
N=257

Key eligibility

- Stage IB-III A (>4cm)
- ALK fusion
- Complete resection with negative margins

Stratification:

- Stage (IB vs II vs IIIA)
- race (Asian vs non-Asian)



Alectinib
600 mg BID x
24 months

Platinum-based
chemotherapy x
4 cycles

Primary endpoint : DFS, by investigator assessment

Secondary endpoints include: OS; safety; PK

Press release Sept. 1, 2023: Alectinib met its primary endpoint at prespecified interim analysis with a “statistically significant and clinically meaningful improvement in DFS as adjuvant therapy “

What do you predict will be the hazard ratio for disease-free survival in the Phase III ALINA study evaluating alectinib versus platinum chemotherapy for patients with completely resected Stage IB to IIIA NSCLC and ALK alterations?



Dr Chaft

0.2



Dr Heymach

0.15 – 0.2



Dr Awad

0.3



Dr Forde

0.18



Dr Govindan

0.4



Dr Wakelee

0.2

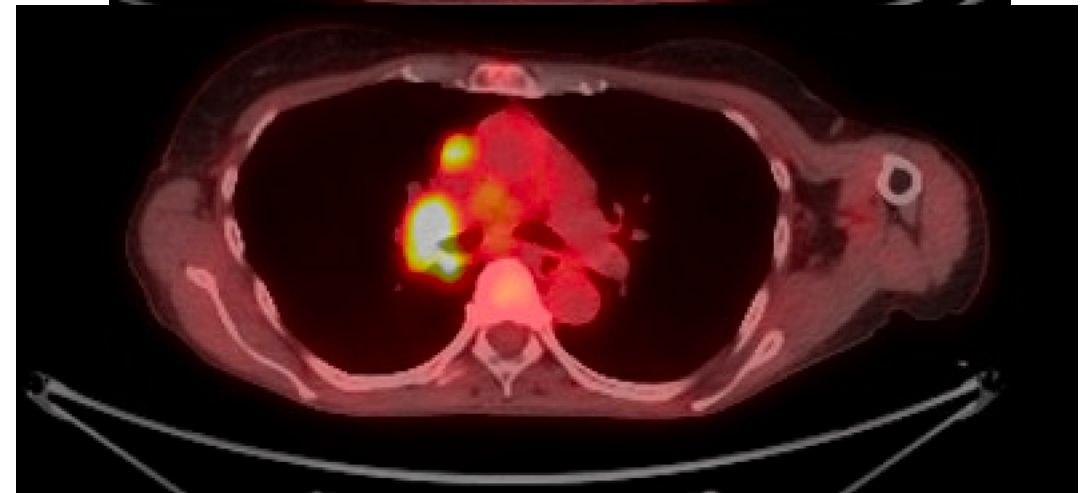
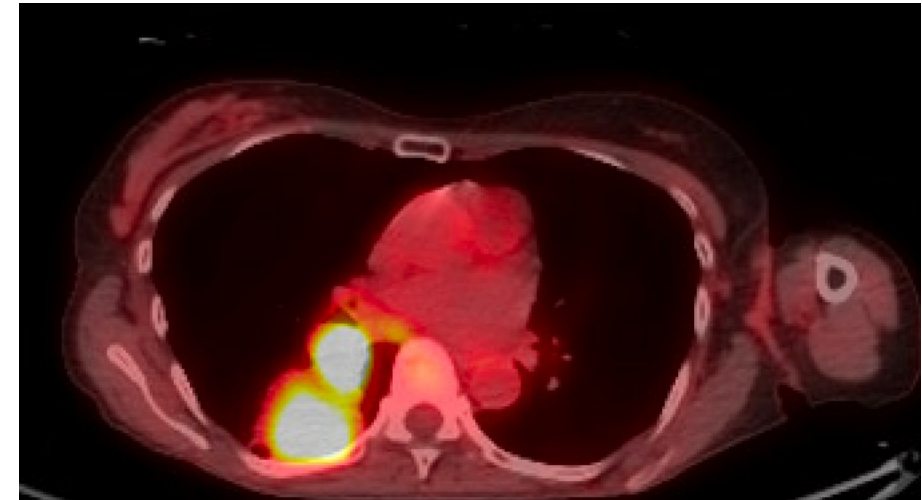
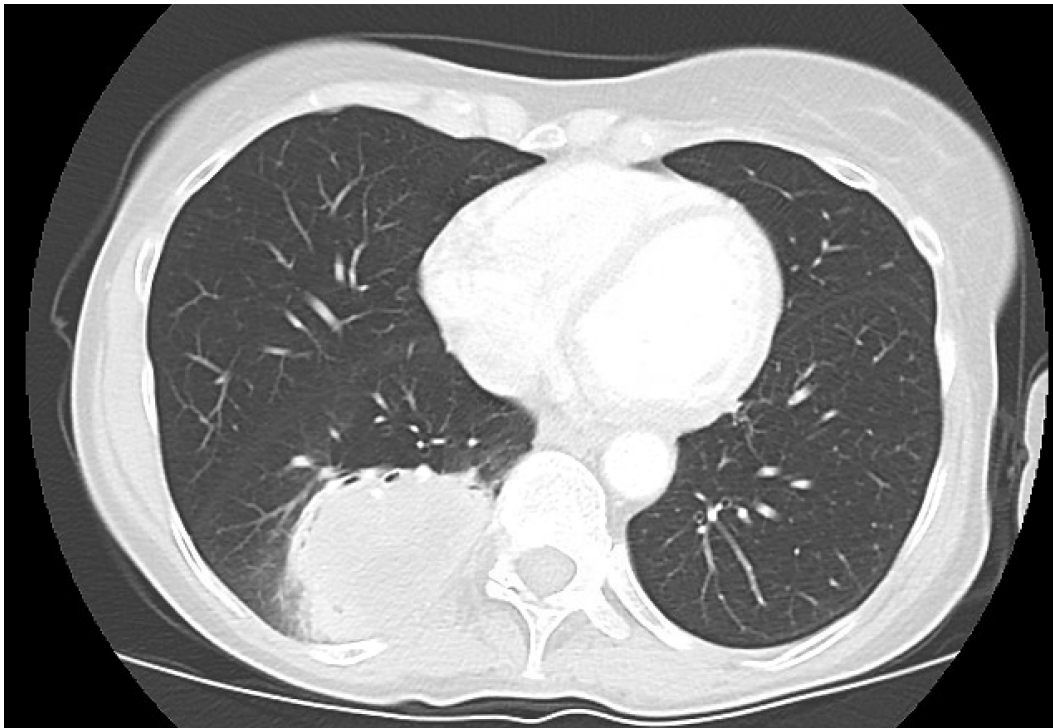
Adjuvant therapy for resectable NSCLC: the bottom line

Targeted therapy

- ADAURA: Adjuvant Osimertinib x 3y improves DFS and OS
- ALINA: Alectinib improves DFS in ALK+ (press release)
- All resectable patients need profiling (EGFR/ALK minimum)

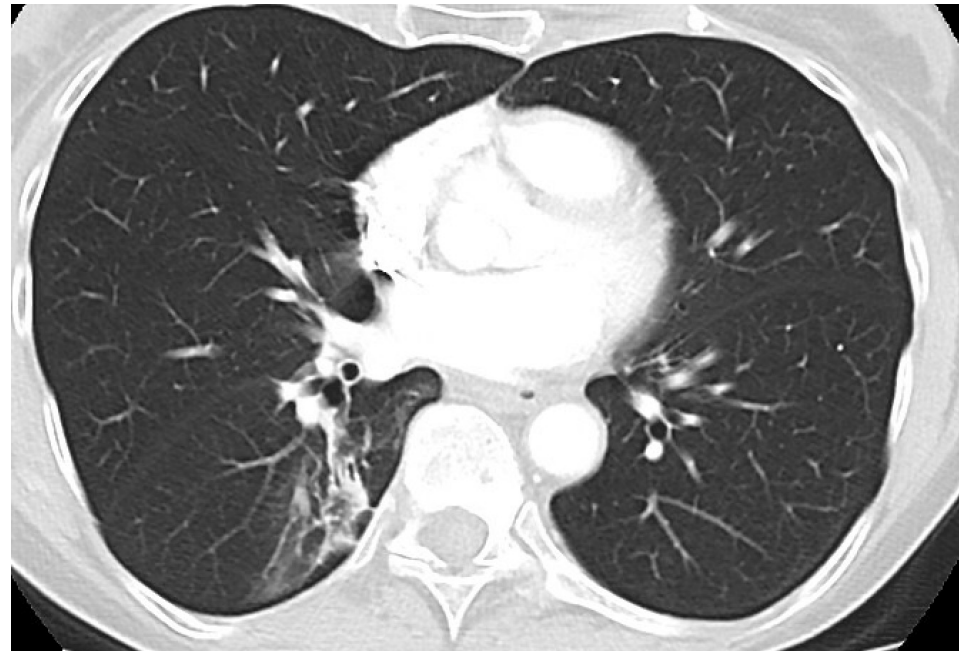
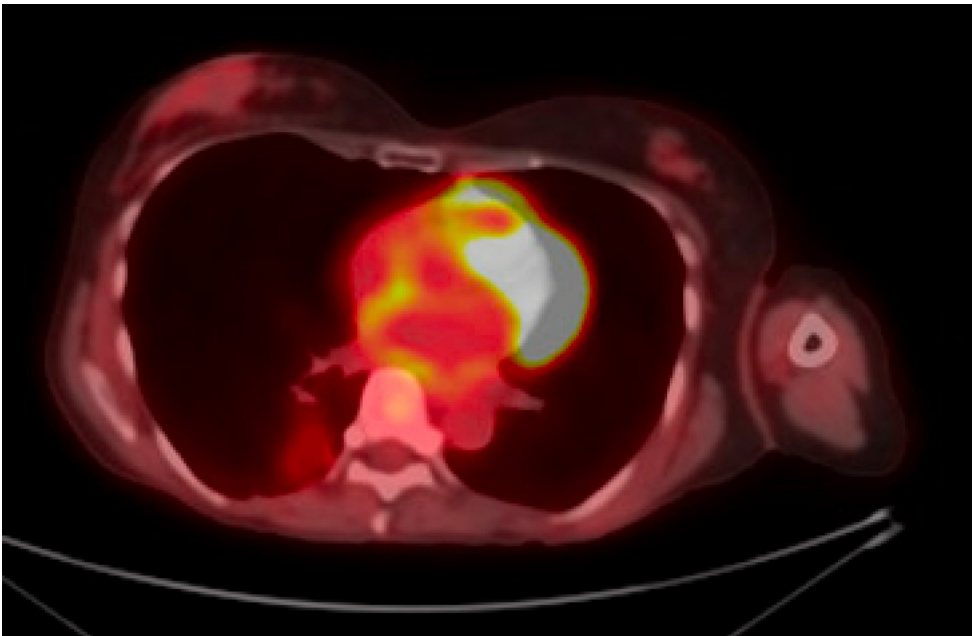
Case Presentation – Dr Chaft: osimertinib

- 60-year-old female never smoker with a cT₃N₂ (hilar and level 7+) adenocarcinoma
- EGFR Exon 19 indel



Case #3 T3N2

- Declined study (requires core bx)
- Refused chemo
- Treated with osi with near CR



Case #3 Path

- Went outside for resection – frozen section level 3+ so surgeon wedged out primary and sampled a few nodes but didn't complete dissection. ypT1aNo
- Returned to us – restaging with some mild adenopathy
- Complete resection done
 - No residual viable nodal disease
- Intolerant of adj chemo
- Resumed osi

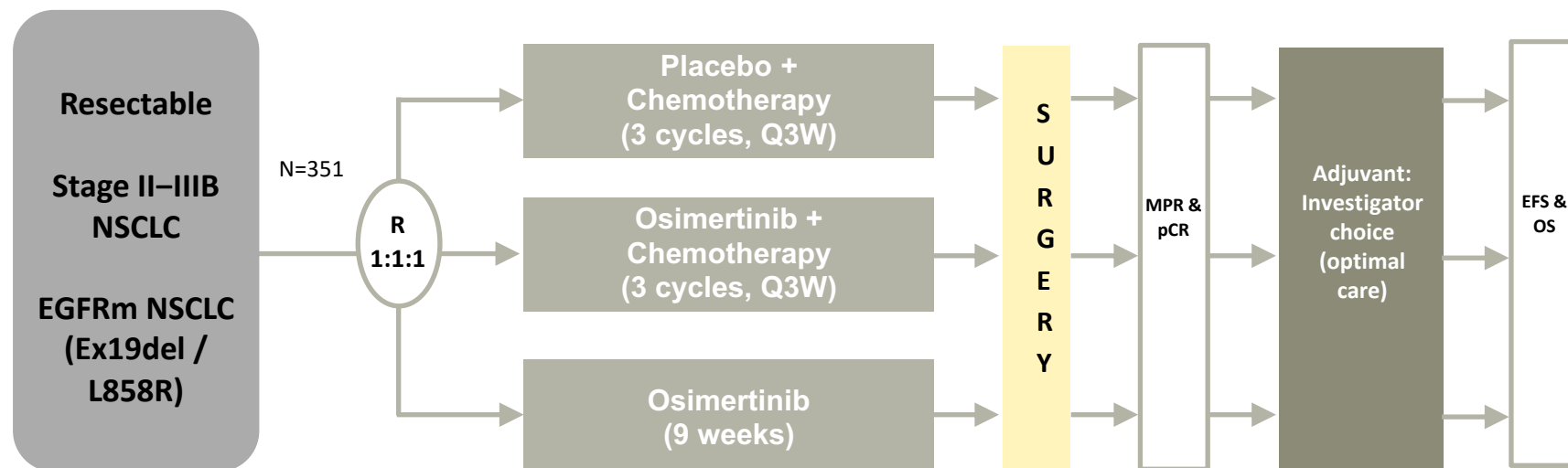


Neoadjuvant TKI

- Rationale is great, however very small datasets available
- Most data show failure to achieve high pCR rate
- Post-op chemo often poorly tolerated
- What about combination therapy?

NeoADAURA (NCT 04351555)

Phase III, Randomized, Controlled, Multicenter Study of Neoadjuvant Osimertinib



Stratification:

Stage II/III
Non-Asian/
Chinese/
other Asian
Ex19del/L858R

Double-blind treatment arms:

1. Placebo + pemetrexed 500 mg/m² plus carboplatin AUC5 mg/ml.min or cisplatin 75 mg/m²
2. Osimertinib 80 mg qd + pemetrexed 500 mg/m² plus carboplatin AUC5 mg/ml.min or cisplatin 75 mg/m²







Open-label (sponsor-blind) treatment arm:

3. Osimertinib 80 mg qd







Adjuvant therapy at investigator's discretion:

- Up to 5 years
- Osimertinib will be offered for up to 3 years

To approximately how many patients with localized NSCLC have you administered adjuvant osimertinib?

	Dr Chافت	20
	Dr Heymach	10
	Dr Awad	8
	Dr Forde	10
	Dr Govindan	10
	Dr Wakelee	10

Approximately what proportion of patients with localized NSCLC will experience toxicity during treatment with osimertinib that requires dosing to be held? What is the primary toxicity patients experience that leads to withholding dosing?

		Chance of holding dose	Primary toxicity
	Dr Chaff	5%	Pulmonary
	Dr Heymach	20%	Diarrhea
	Dr Awad	15%	GI toxicity
	Dr Forde	30%	Skin
	Dr Govindan	30%	Diarrhea, fatigue
	Dr Wakelee	5%	Pulmonary

For how long do you typically continue adjuvant osimertinib for a patient with localized NSCLC who is tolerating therapy well? What variables, if any, affect your decision about duration of therapy?



Dr Chافت

Indefinitely for Stage III, 3-5 years for Stage II



Dr Heymach

3 years



Dr Awad

3 years, starting to discuss indefinite treatment if patients are tolerating treatment well



Dr Forde

Indefinitely, will discuss at 3 years



Dr Govindan







3 years



Dr Wakelee

Discuss indefinite treatment

Approximately what proportion of patients do you expect to complete your intended duration of adjuvant osimertinib?

	Dr Chaff	90%
	Dr Heymach	70%
	Dr Awad	80%
	Dr Forde	70%
	Dr Govindan	60%
	Dr Wakelee	75%

To what degree do you believe adherence is an issue among patients receiving adjuvant osimertinib for localized NSCLC?



Dr Chaff

Somewhat



Dr Heymach

Somewhat



Dr Awad

Somewhat



Dr Forde

Somewhat



Dr Govindan

Somewhat



Dr Wakelee

Somewhat

Do you generally hold adjuvant osimertinib for patients undergoing surgical procedures?



Dr Chaft

No



Dr Heymach

Yes, starting day before and continuing for 3-4 days after



Dr Awad

Yes, for about a week before/after major surgery



Dr Forde

**Yes, if any history of thrombocytopenia on receiving osimertinib
will hold if surgeon prefers**



Dr Govindan

No



Dr Wakelee

No

For a patient with an EGFR mutation who does not wish to receive chemotherapy, in which situations, if any, would you be comfortable administering adjuvant osimertinib alone?



Dr Chافت

I feel comfortable administering adjuvant osimertinib in all situations if a patient refuses chemotherapy



Dr Heymach

Particularly for older patients or patients with renal issues



Dr Awad

All situations (about one third of patients on ADAURA didn't get chemo)



Dr Forde

Patients are informed of the survival benefit with chemotherapy; if they wish to proceed without it then will prescribe osimertinib alone



Dr Govindan

I feel comfortable administering adjuvant osimertinib in all situations if a patient refuses chemotherapy



Dr Wakelee

In most situations, but would discuss chemo for Stage III especially

Is there a clinical scenario in which you would use chemotherapy with osimertinib as first-line treatment for a patient with metastatic NSCLC with an EGFR mutation?



Dr Chافت

Yes, for symptomatic brain metastases per the FLAURA2 data



Dr Heymach

Yes



Dr Awad

No



Dr Forde

Yes, I discuss FLAURA2 data with patients with very bulky disease, brain metastases or exon 21 mutation



Dr Govindan

No



Dr Wakelee

Yes, for patients with L858R mutation and high disease burden

Which of the following best describes your reaction to the recently reported final overall survival analysis of the Phase III ADAURA trial evaluating adjuvant osimertinib for patients with completely resected Stage IB to IIIA NSCLC with EGFR mutations?



Dr Chaft

Results were similar to what I expected



Dr Heymach

Results were slightly more positive than I expected



Dr Awad

Results were slightly more positive than I expected



Dr Forde

Results were much more positive than I expected



Dr Govindan







Results were similar to what I expected



Dr Wakelee

Results were slightly more positive than I expected

Regulatory and reimbursement issues aside, what would you most likely recommend as consolidation treatment for a patient with locally advanced NSCLC who has completed chemoradiation therapy and is found to have ...?

		An EGFR-activating mutation	A RET fusion
	Dr Chaff	Osimertinib	2 cycles of chemotherapy
	Dr Heymach	Osimertinib	Selpercatinib
	Dr Awad	Osimertinib	Durvalumab
	Dr Forde	Osimertinib	Durvalumab
	Dr Govindan	Durvalumab	Durvalumab
	Dr Wakelee	Osimertinib	Additional pemetrexed

Outside of a clinical trial setting, would you employ neoadjuvant targeted therapy for a patient with NSCLC and a documented genomic alteration (eg, EGFR mutation)?



Dr Chافت

Yes, for a patient with N2+ or large tumor



Dr Heymach

**Yes, when downstaging would be helpful,
eg, to avoid pneumonectomy**



Dr Awad

No



Dr Forde

No



Dr Govindan

No



Dr Wakelee

Yes, I have rarely administered osimertinib

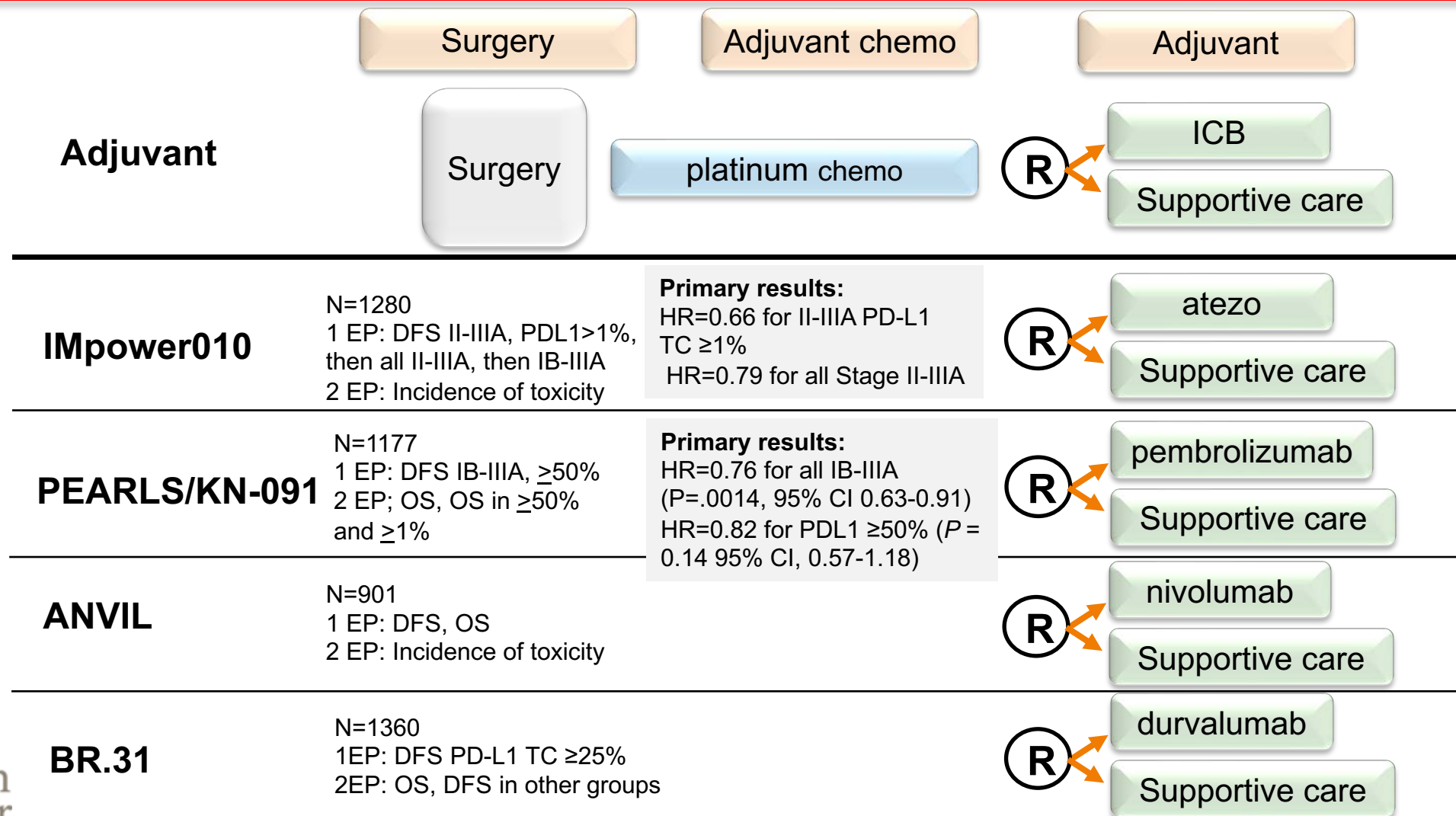
Agenda

INTRODUCTION: Patient Involvement in (Neo)Adjuvant Treatment Decisions

MODULE 1: Targetable Treatment in Localized Disease

MODULE 2: Immunotherapy in Localized Disease

Randomized studies of adjuvant ICB for resectable NSCLC



What about IO after definitive RT? The I-SABR RP2 study for early-stage or isolated lung parenchymal recurrent node-negative NSCLC

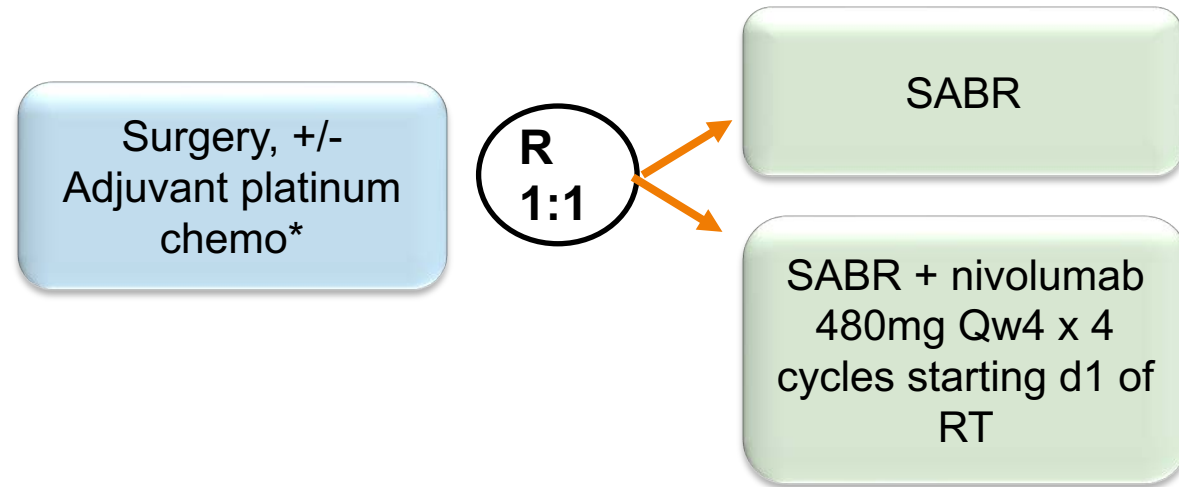
N=156 randomized

Key eligibility

- Stage IA-IIIB, AJCC 8th ed. Or isolated parenchymal recurrence (node-negative)
- Medically inoperable or refused surgery

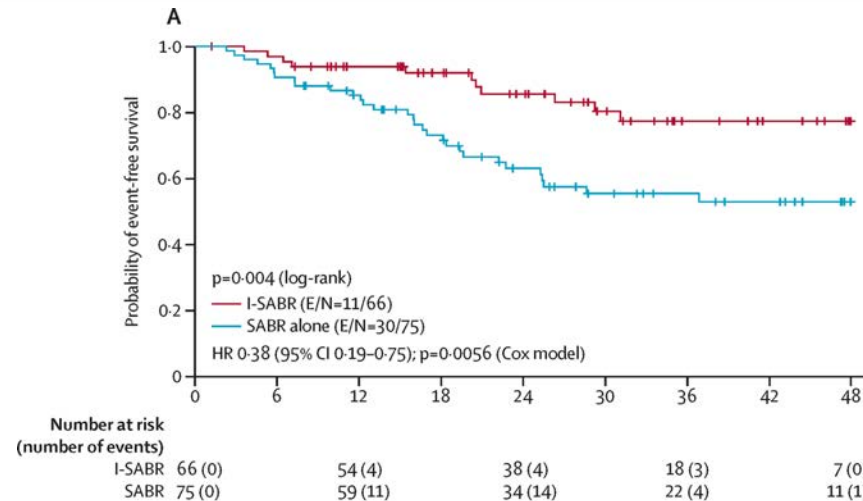
Stratification:

- ECOG PS (0–1 vs 2), tumor size (≤ 3 cm vs >3 to 5 cm vs >5 to 7 cm), histology (squamous vs non-squamous), and lung cancer history (primary vs recurrent disease)

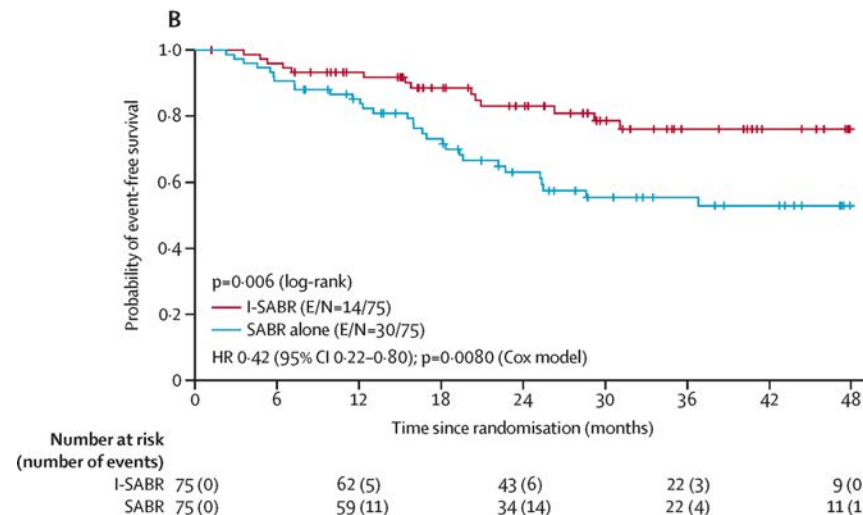


Primary endpoint : 4Y EFS (events include recurrence, new primary, or death), both ITT and treatment per-protocol

I-SABR RP2 study for early-stage or isolated lung parenchymal recurrent node-negative NSCLC: primary results



Per protocol treated
HR 0.38 (95% CI 0.19-.75;
 p=.0056)



ITT population
HR 0.42 (95% CI 0.22-.80;
 p=.006)

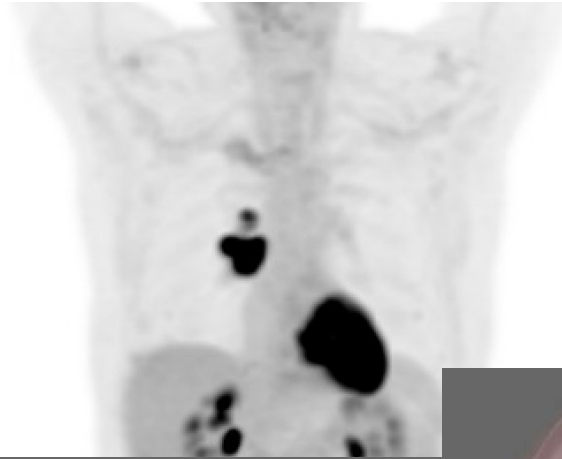
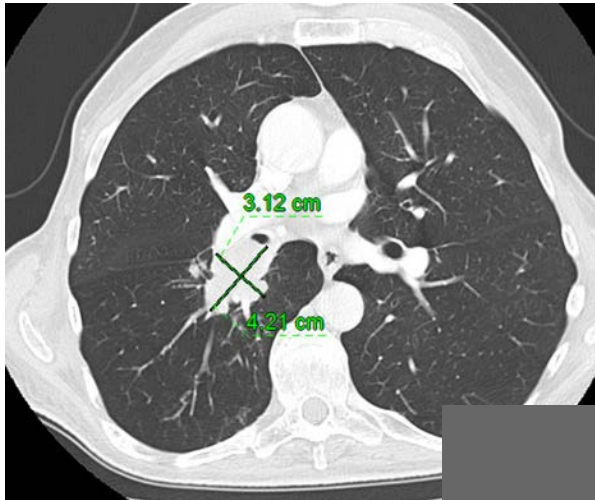
Adjuvant therapy for resectable NSCLC: the bottom line

ICB

- Adjuvant ICB improves outcomes in resectable NSCLC in overall population although benefit generally greater in higher PD-L1 levels
- Pembro approved stages IB-III A (any PD-L1), atezo in PD-L1 >1%
- Initial results suggest adjuvant nivolumab improves EFS after SABR

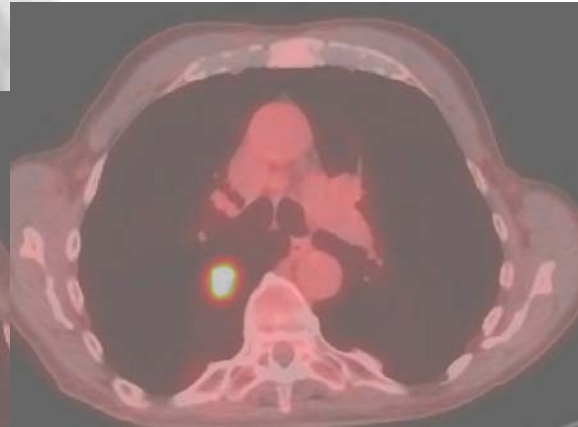
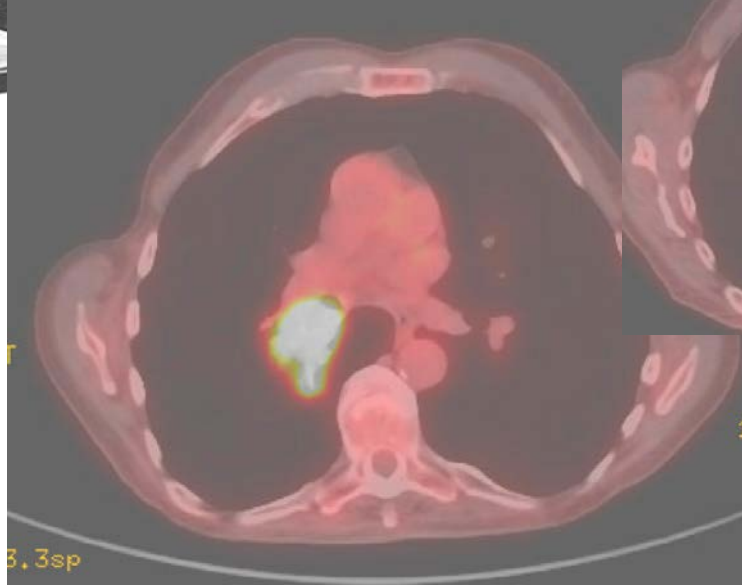
Case Presentation – Dr Chaft: cT2aN1, Stage IIB

70-year-old male former smoker presents with cough



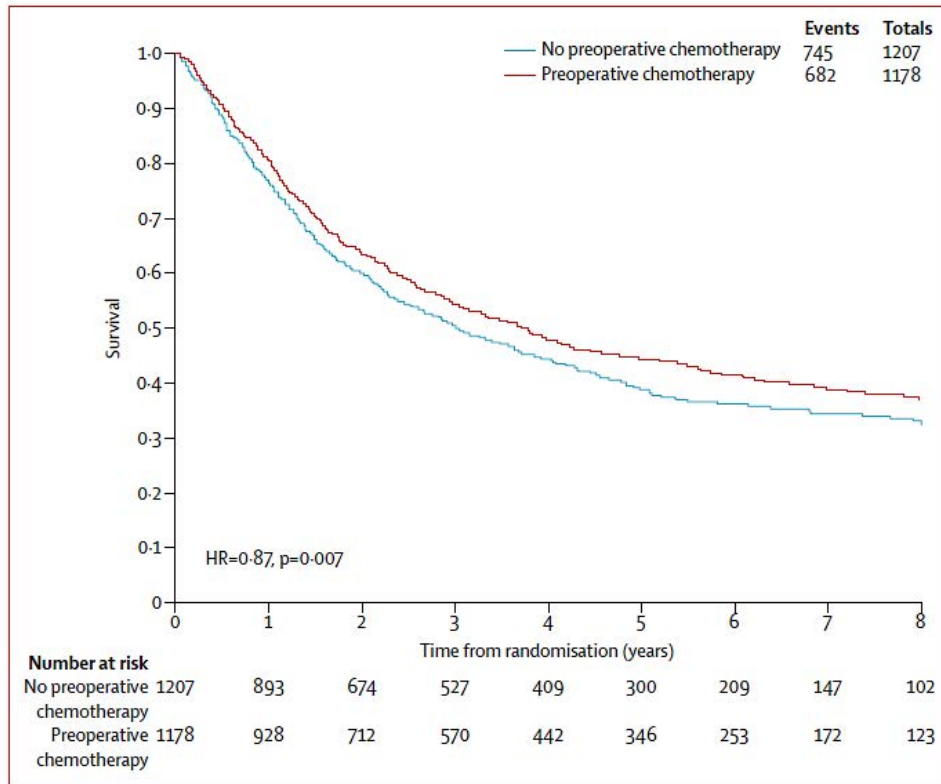
Bronch bx: (primary tumor, LN not accessible):

NSCLC, favor squamous cell, PD-L1 60%



Why Induction?

- Regression from the hilum may enable lesser resection
- Prehabilitation
- *In vivo* treatment efficacy assessment



Courtesy of Jamie E Chaft, MD



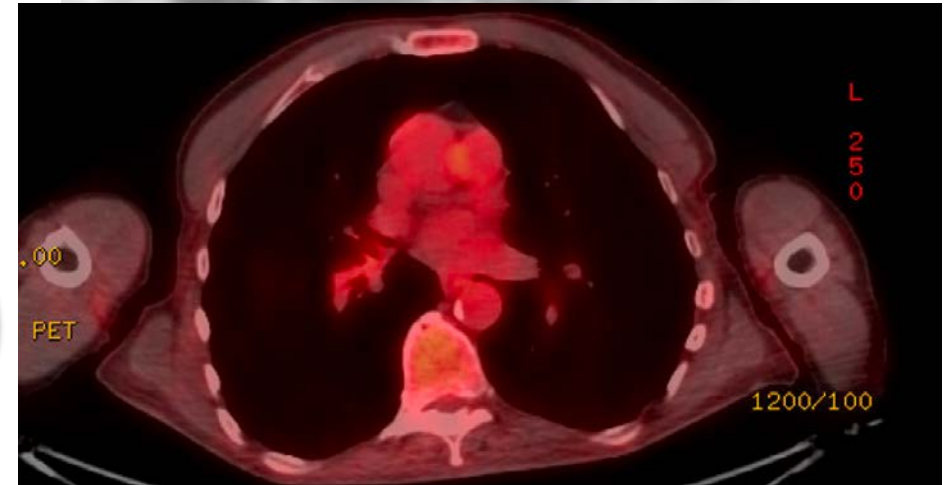
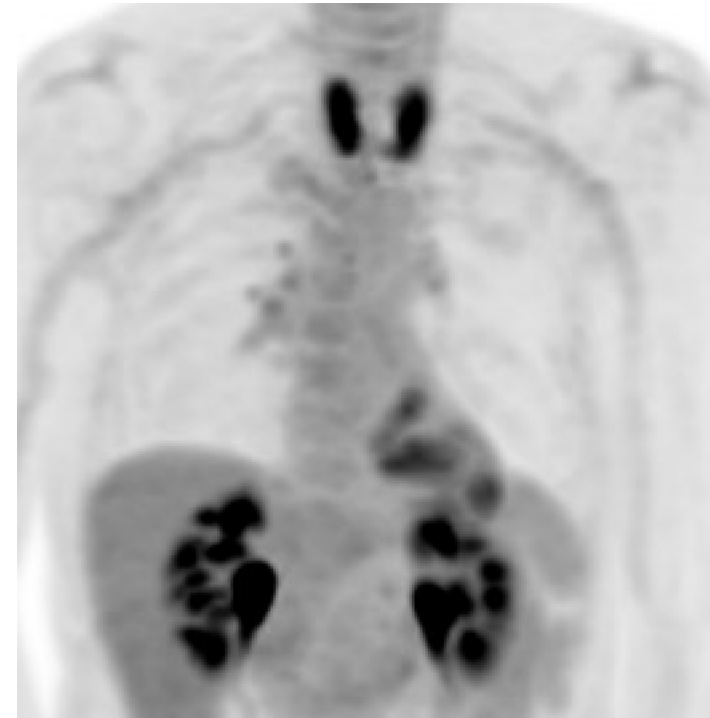
Memorial Sloan Kettering
Cancer Center

Post-treatment evaluation

- CT PR after 2 cycles
- Scintigraphic PR
- Notably thyroiditis
- Severe hypothyroidism on labs
- No AI

How do I follow these folks?

CT Chest w/con after 2 cycles
PET/MR brain with endo labs (on
the day of scans, so results in
your hand when pt returns) after
3rd cycle



Courtesy of Jamie E Chافت, MD



Memorial Sloan Kettering
Cancer Center

Case #1 Summary

- Nice radiographic response to chemo-IO
- Surgery delayed to manage IO induced hypothyroidism
 - Induction of anesthesia when severely hypothyroid can lead to vascular collapse
- Pt went to the OR last week, path report pending
- He will need continued endo lab follow-up



Case #1 Outcomes to query

CM-816 didn't prespecify adjuvant therapy

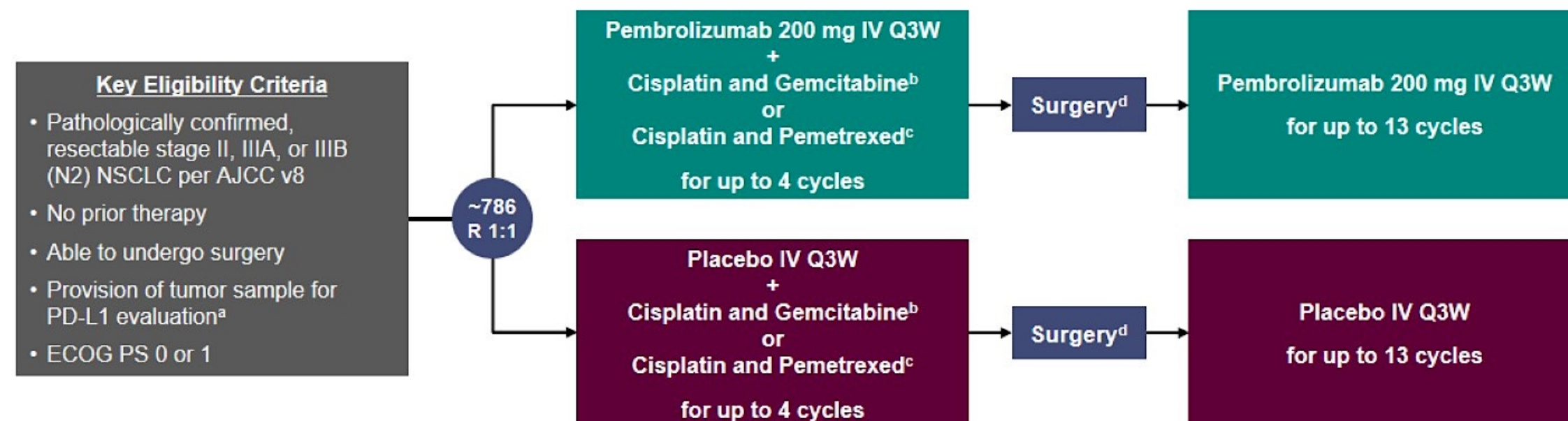
- What if he has a pCR, any more therapy needed?
- What if he doesn't have a pCR?
- Who is going to follow his endocrinopathies?
- When is he safely out of the window of developing a new IRAE?

I will watch... if carbo/pacl/nivo didn't do the trick, gem monotherapy or more IO play no role without more data



KEYNOTE-671 Study Design

Randomized, Double-Blind, Phase 3 Trial



Stratification Factors

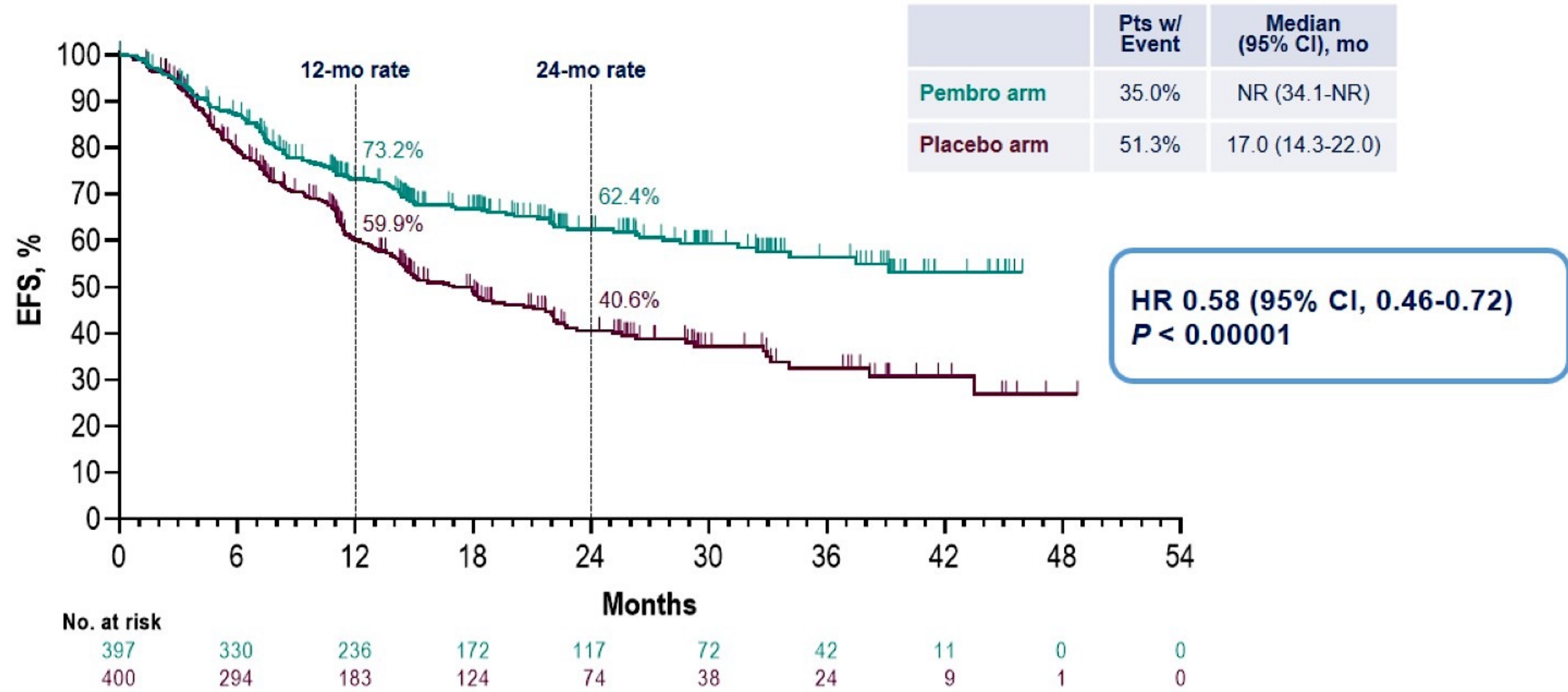
- Disease stage (II vs III)
- PD-L1 TPS^a (<50% vs ≥50%)
- Histology (squamous vs nonsquamous)
- Geographic region (east Asia vs not east Asia)

Dual primary end points: EFS per investigator review and OS

Key secondary end points: mPR and pCR per blinded, independent pathology review, and safety

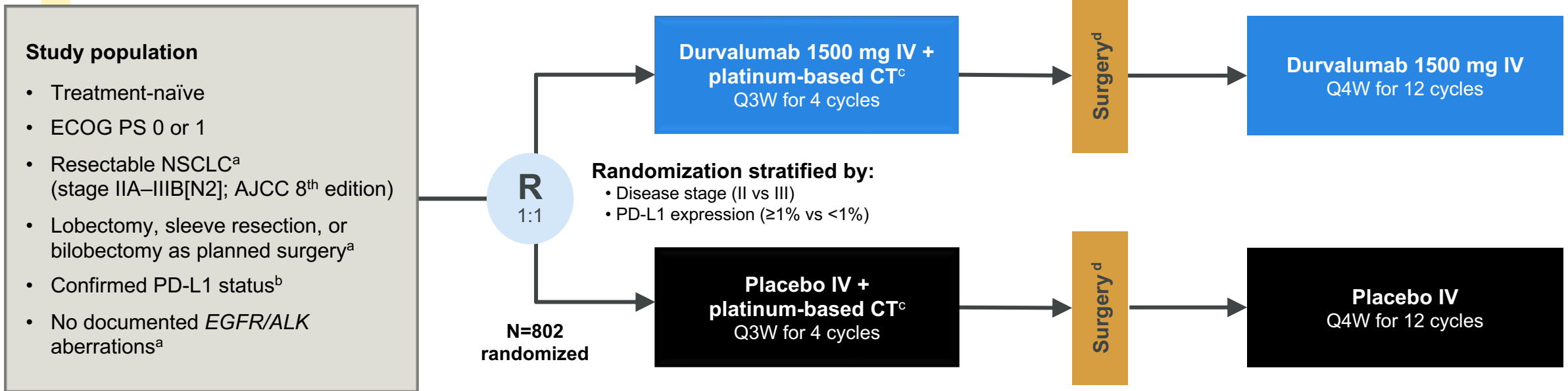
^a Assessed at a central laboratory using PD-L1 IHC 22C3 pharmDx. ^b Cisplatin 75 mg/m² IV Q3W + gemcitabine 1000 mg/m² IV on days 1 and 8 Q3W was permitted for squamous histology only. ^c Cisplatin 75 mg/m² IV Q3W + pemetrexed 500 mg/m² IV Q3W was permitted for nonsquamous histology only. ^d Radiotherapy was to be administered to participants with microscopic positive margins, gross residual disease, or extracapsular nodal extension following surgery and to participants who did not undergo planned surgery for any reason other than local progression or metastatic disease. ClinicalTrials.gov identifier: NCT03425643.

KEYNOTE-671: Event-Free Survival



EFS defined as time from randomization to first occurrence of local progression precluding planned surgery, unresectable tumor, progression or recurrence per RECIST v1.1 by investigator assessment, or death from any cause. Data cutoff date for IA1: July 29, 2022 (median follow-up, 25.2 mo [range, 7.5-50.6]).

AEGEAN: Study Design



Endpoints: All efficacy analyses performed on a modified population that excludes patients with documented *EGFR/ALK* aberrations^e

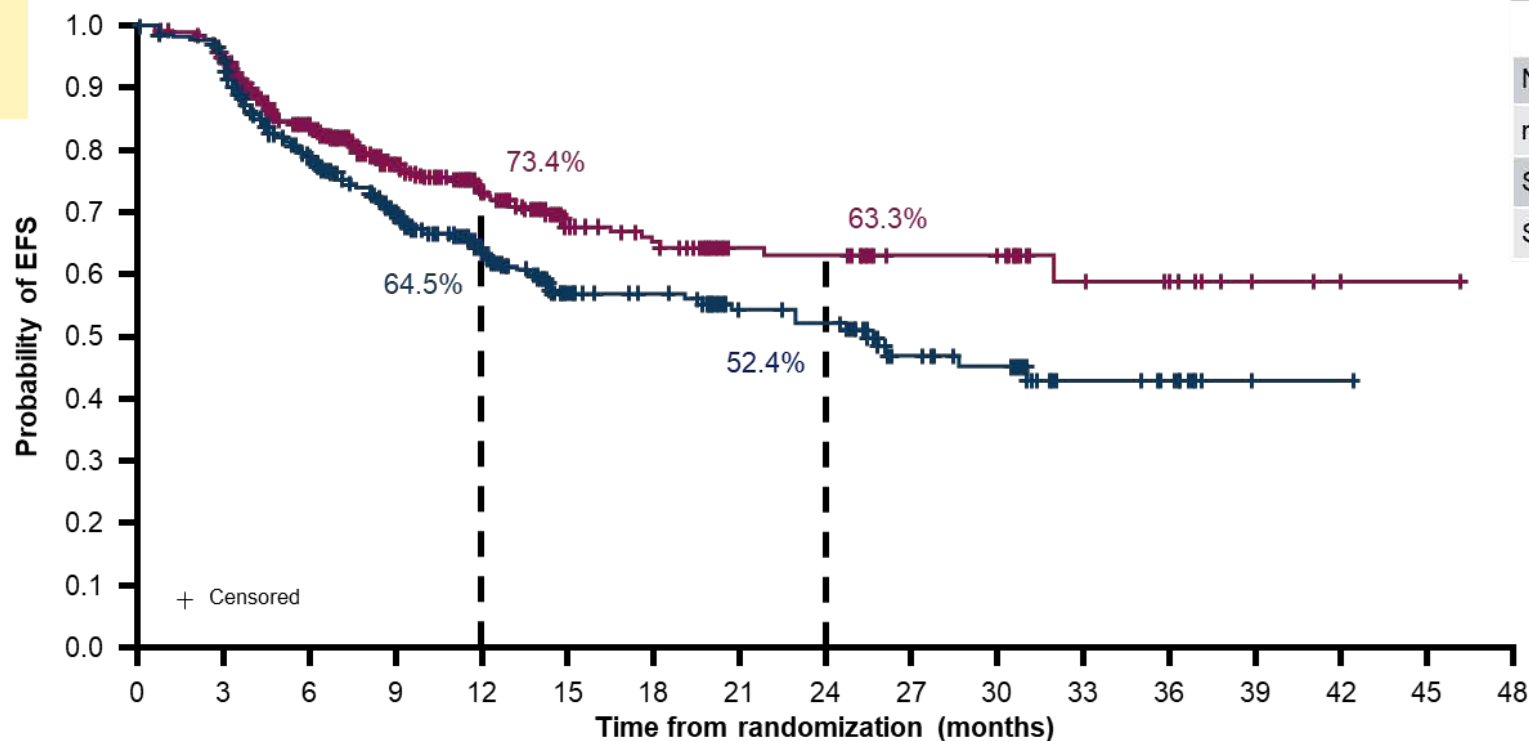
Primary:

- pCR by central lab (per IASLC 2020)
- EFS using BICR (per RECIST v1.1)

Key secondary:

- MPR by central lab (per IASLC 2020)
- DFS using BICR (per RECIST v1.1)
- OS

AEGEAN: EFS



No. at risk:

D arm	366	336	271	194	140	90	78	50	49	31	30	14	11	3	1	1	0
PBO arm	374	339	257	184	136	82	74	53	50	30	25	16	13	1	1	0	0

	D arm	P arm
No. events / no. patients (%)	98/366 (26.8)	138/374 (36.9)
mEFS, months (95% CI)	NR (31.9–NR)	25.9 (18.9–NR)
Stratified HR* (95% CI)	0.68 (0.53–0.88)	
Stratified log-rank P-value	0.003902	

Median follow-up (range) in censored patients: 11.7 months (0.0–46.1)

EFS maturity: 31.9%

Take home messages on Neoadjuvant Therapy

- Induction IO likely more effective than adjuvant IO
- Predictive biomarker testing remains important
 - not IO for all
- Personalized medicine needs to be employed in the perioperative setting too
 - Disease characteristics (location, hemoptysis, obstruction)
 - Tumor biology (PD-L1 genomics)
 - Pt characteristics (comorbidities)
 - Pt preference (without comparative data between pre/postop)

In which specific clinical situations do you or would you administer adjuvant chemotherapy followed by an anti-PD-1/PD-L1 antibody?



Dr Chaff

Stage II/III resected, PD-L1-positive, EGFR/ALK/ROS/RET/HER2-negative



Dr Heymach

Only if resected prior to seeing me, or unwilling to wait for neoadjuvant; otherwise, I prefer neoadjuvant



Dr Awad

In a situation such as this: Some surgeons take patients straight to surgery without discussing neoadjuvant therapy, or they discover that the pathologic stage is actually II (eg, was clinical Stage I going into surgery)



Dr Forde

Upstaged from clinical Stage I to higher pathologic stage at surgery, candidate for adj chemo; I tend to recommend adj IO only for patients with PD-L1 $\geq 50\%$ but discuss and have used with 1%-49%



Dr Govindan







All patients with NSCLC who would be candidates for lobectomy



Dr Wakelee

Select resected Stage II, and all resected Stage III especially with high PD-L1; but not to patients with a driver mutation that is nonresponsive to IO

Think of the last patient to whom you administered adjuvant chemotherapy followed by an anti-PD-1/PD-L1 antibody. What was their ...?

		Age	Sex	Disease stage	PD-L1 status
	Dr Chafft	65	Female	IIB	50%
	Dr Heymach	67	Male	IIB	50%
	Dr Awad	66	Female	IIB	1%
	Dr Forde	52	Female	IIIA	30%
	Dr Govindan	67	Male	II	Positive
	Dr Wakelee	73	Male	II	30%

Do you have a preferred choice of agent when recommending adjuvant immunotherapy for a patient with localized NSCLC?



Dr Chافت

Yes, atezolizumab



Dr Heymach

**Yes, atezolizumab for PD-L1-positive,
pembrolizumab for PD-L1-negative**



Dr Awad

Yes, pembrolizumab



Dr Forde

Yes, atezolizumab



Dr Govindan

No preference



Dr Wakelee

Yes, atezolizumab

Does PD-L1 level affect your preference of adjuvant immunotherapy for localized NSCLC?



Dr Chافت

Yes, PD-L1 high: atezolizumab, PD-L1 low: either, PD-L1-negative: pembrolizumab



Dr Heymach

Yes, atezolizumab for PD-L1-positive, pembrolizumab for PD-L1-negative



Dr Awad

Yes, more likely to omit it if PD-L1-negative if there may be a contraindication (eg, history of autoimmune disease)



Dr Forde

Yes, the consistency of the atezolizumab data across PD-L1 strata is reassuring and I tend to favor it



Dr Govindan

No



Dr Wakelee

Yes, atezolizumab if PD-L1 high, and I question the benefit of adjuvant IO in those with negative PD-L1

For a patient who does not wish to receive chemotherapy, in which situations, if any, would you be comfortable administering an adjuvant anti-PD-1/PD-L1 antibody alone?



Dr Chafft

PD-L1 high or PD-L1 low and smoker or TMB high



Dr Heymach

PD-L1-positive



Dr Awad

I would still explain the benefit of chemotherapy, but if they do not want it, I would use adjuvant IO alone for Stage II/III, regardless of PD-L1 level



Dr Forde

I am hesitant to recommend adjuvant IO alone but will consider if the pt is insistent they will not take chemo and the tumor is PD-L1 positive, ideally 50%+



Dr Govindan

Smokers with PD-L1 of 50% or greater



Dr Wakelee

No positive data with this; I'd be very hesitant but would discuss with a patient with very high tumor PD-L1 (no driver mutation) who absolutely refused chemo

TMB = tumor mutational burden

Based on your clinical experience and knowledge of available data, what would you estimate is the likelihood that a patient receiving 1 year of adjuvant immunotherapy will experience an immune-related adverse event?



Dr Chافت

30%



Dr Heymach

20%



Dr Awad

25%



Dr Forde

15%



Dr Govindan

40%



Dr Wakelee

50%

Approximately what proportion of patients receiving adjuvant immunotherapy for localized NSCLC complete treatment?



Dr Chaff

50%



Dr Heymach

70%



Dr Awad

75%



Dr Forde

60%



Dr Govindan

80%



Dr Wakelee

60%

Based on your clinical experience and knowledge of available data, what are the top 3 side-effect issues patients experience when receiving adjuvant immunotherapy for localized NSCLC?



Dr Chaff

Pruritus/rash, hypothyroidism, arthralgias



Dr Heymach

Thyroiditis, pneumonitis, colitis



Dr Awad

Arthralgias, fatigue, hypothyroidism



Dr Forde

GI upset, thyroid function abnormalities, skin rash



Dr Govindan

Thyroid dysfunction, rash, asymptomatic pneumonitis



Dr Wakelee

Thyroid dysfunction, rash, arthralgias

Do you believe that a correlation exists between autoimmune toxicity and treatment benefit among patients receiving immune checkpoint inhibitors?



Dr Chaff

Yes



Dr Heymach

Yes



Dr Awad

Yes



Dr Forde

Yes



Dr Govindan

Yes



Dr Wakelee

Yes

Please describe 3 situations in which you considered adjuvant immunotherapy for a patient with a potential contraindication (eg, prior autoimmune disease). What was the nature of the contraindication, what did you ultimately decide and how did the patient respond? Patient 1



Dr Chافت

Controlled Crohn's disease, resected Stage IIA SCC, PD-L1-negative received adjuvant carboplatin/paclitaxel, no IO



Dr Heymach

Minor skin autoimmune (psoriasis, inactive)



Dr Awad

Recently active ulcerative colitis, PD-L1-negative, decided not to use adjuvant IO; currently receiving just adjuvant chemotherapy



Dr Forde

History of Graves disease, discussed with endocrinologist and they felt reasonable to proceed, patient fared well and is without recurrence



Dr Govindan

Lupus, discussed adjuvant IO but ultimately the patient did not receive this treatment



Dr Wakelee

Mild rheumatoid arthritis, discussed and treated with adjuvant IO, patient fared okay

SCC = squamous cell carcinoma

Please describe 3 situations in which you considered adjuvant immunotherapy for a patient with a potential contraindication (eg, prior autoimmune disease). What was the nature of the contraindication, what did you ultimately decide and how did the patient respond? Patient 2



Dr Chافت

Resected Stage IIIA KRAS G12C+/KEAP1-/STK11-, PD-L1 100% and concurrently resected thymoma received adjuvant cisplatin/pemetrexed, no IO



Dr Heymach

High risk for relapse with history of RA
(but RA history was soft — may have been osteoarthritis)



Dr Awad

Interstitial lung disease, PD-L1-negative, just received chemotherapy.
Possible disease recurrence



Dr Forde

Vague history of lupus, never treated, rheumatology consult felt it was not lupus and patient received adjuvant IO without issues



Dr Govindan

Organ transplant, discussed adjuvant immunotherapy
but ultimately the patient did not receive this treatment



Dr Wakelee

History of inflammatory bowel disease,
discussed but patient decided against treatment

Please describe 3 situations in which you considered adjuvant immunotherapy for a patient with a potential contraindication (eg, prior autoimmune disease). What was the nature of the contraindication, what did you ultimately decide and how did the patient respond? Patient 3



Dr Chافت

Resected Stage IIIA N1 KRAS G12C+ LCNEC, PD-L1 90%, RA on prednisone and biologics, received adjuvant carboplatin/paclitaxel and atezolizumab



Dr Heymach

History of possible Crohn's, inactive, patient really motivated for treatment



Dr Awad

Remote h/o Crohn's colitis, not recently active, PD-L1 TPS 60%, currently faring well on adjuvant pembrolizumab



Dr Forde

Resected Stage IIB NSCLC, PD-L1 80%; history of "uveitis" and on steroid eye drops for years. Referred to ophthalmology, diagnosis of Fuchs heterochromic uveitis (late sequela of childhood rubella), ruled not a contraindication to IO and patient received adjuvant IO without any issues



Dr Govindan

Multiple sclerosis with optic neuritis, discussed adjuvant immunotherapy but ultimately the patient did not receive this treatment



Dr Wakelee

Paraneoplastic polymyalgia rheumatica which drastically improved after resection of Stage IIB NSCLC. We felt risk of IO was very high for a flare of her PMR

LCNEC = large cell neuroendocrine carcinoma of the lung; RA = rheumatoid arthritis

In which specific clinical situations do you or would you administer neoadjuvant chemotherapy combined with an anti-PD-1/PD-L1 antibody?



Dr Chافت

Clinical Stage II/III, medically operable and technically resectable NSCLC without actionable oncogene driver mutation and without pre-existing autoimmune disease



Dr Heymach

All EGFR and ALK wild-type patients with tumors larger than 4 cm



Dr Awad

All patients with Stage II/III resectable NSCLC (EGFR/ALK negative) who are otherwise eligible for chemotherapy and immunotherapy



Dr Forde

ECOG PS 0-1, limited comorbidities, resectable clinical Stage II/IIIA NSCLC without an EGFR mutation or ALK alteration



Dr Govindan







Locally advanced node-positive NSCLC who would be candidates for lobectomy



Dr Wakelee

Stage III without driver mutation, many but not all Stage II

Think of the last patient to whom you administered neoadjuvant chemotherapy combined with an anti-PD-1/PD-L1 antibody. What was their ...?

		Age	Sex	Disease stage	PD-L1 status
	Dr Chافت	65	Male	IIB	30%
	Dr Heymach	69	Female	IIIA	20%
	Dr Awad	72	Male	IIIA	40%
	Dr Forde	81	Male	IIB	0%
	Dr Govindan	45	Female	IIIA	Positive
	Dr Wakelee	52	Male	IIIA	10%

In general, for a patient with localized non-small cell lung cancer (NSCLC) to whom you have made the decision to administer an anti-PD-1/PD-L1 antibody in the neoadjuvant setting, what do you consider to be the optimal approach?



Dr Chافت

Neoadjuvant chemotherapy/nivolumab → resection



Dr Heymach

**Neoadjuvant chemotherapy/pembrolizumab →
resection → adjuvant pembrolizumab**



Dr Awad

Neoadjuvant chemotherapy/nivolumab → resection



Dr Forde

Neoadjuvant chemotherapy/nivolumab → resection



Dr Govindan

Neoadjuvant chemotherapy/nivolumab → resection



Dr Wakelee

Neoadjuvant chemotherapy/nivolumab → resection

Does PD-L1 level affect your preference of neoadjuvant immunotherapy for localized NSCLC?



Dr Chaft

**Yes, but strictly to determine whether to administer;
PD-L1 level does not affect my choice of agent**



Dr Heymach

No



Dr Awad

**Not exactly, though I am more optimistic for using
chemoimmunotherapy for cancers that are PD-L1-positive**



Dr Forde

**Yes, benefit of (neo)adjuvant IO is likely greater for PD-L1-positive disease; I tend to favor
neoadjuvant chemotherapy/nivolumab for PD-L1-negative as it is a shorter course of therapy**



Dr Govindan

No



Dr Wakelee

**Yes, the concurrent with chemo approach is favored for those with low
or no PD-L1 expression in my opinion, so lean towards neoadjuvant**

IO = immunotherapy

What Clinicians Want to Know About the Management of Relapsed/Refractory Mantle Cell Lymphoma

A CME/MOC-Accredited Virtual Event

Tuesday, September 26, 2023

5:00 PM – 6:00 PM ET

Faculty

Toby A Eyre, MBChB, DipMedEd, MRCP, MD

Brad S Kahl, MD

Moderator

Neil Love, MD

Thank you for joining us!

Please take a moment to complete the survey currently up on Zoom. Your feedback is very important to us. The survey will remain open for 5 minutes after the meeting ends.

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