

Challenging Cases from the Community: Investigators Provide Perspectives on the Optimal Management of Diffuse Large B-Cell Lymphoma

A CME/MOC-Accredited Virtual Event

Tuesday, September 13, 2022

5:00 PM – 6:00 PM ET

Faculty

Jeremy Abramson, MD

Sonali M Smith, MD

Jason Westin, MD, MS

Moderator

Neil Love, MD

Faculty



Jeremy Abramson, MD

Director, Center for Lymphoma
Massachusetts General Hospital
Associate Professor of Medicine
Harvard Medical School
Boston, Massachusetts



Jason Westin, MD, MS

Director, Lymphoma Clinical Research
Section Chief, Aggressive Lymphoma
Department of Lymphoma and Myeloma
The University of Texas
MD Anderson Cancer Center
Houston, Texas



Sonali M Smith, MD

Elwood V Jensen Professor of Medicine
Chief, Section of Hematology/Oncology
Co-Leader, Cancer Service Line
Co-Director, Lymphoma Program
The University of Chicago
Chicago, Illinois



MODERATOR

Neil Love, MD

Research To Practice

**This activity will also be featured as an
“On Demand” session as part of the
Society of Hematologic Oncology 2022 Annual Meeting.**

Management of DLBCL

Where We Are, Where We're Headed

PROLOGUE

MODULE 1: First-Line Treatment

MODULE 2: Bispecific Antibodies

MODULE 3: CAR T-Cell Therapy

MODULE 4: Sequencing of Novel Agents

MODULE 5: Appendix

Accreditation Information

Target Audience

This activity is intended for hematologists, hematology-oncology fellows, medical oncologists, radiation oncologists and other healthcare providers involved in the treatment of diffuse large B-cell lymphoma.

Educational Objectives

Upon completion of this activity, participants should be able to

- Apply available clinical research findings in the formulation of evidence-based therapeutic approaches for the treatment of newly diagnosed and relapsed/refractory (R/R) diffuse large B-cell lymphoma (DLBCL).
- Appraise published Phase III clinical trial data documenting the benefit of CD79b-targeted therapy as a component of first-line treatment for patients with DLBCL, and consider the implications of these findings for current clinical management algorithms.
- Appreciate long-term efficacy and safety data with FDA-approved chimeric antigen receptor (CAR) T-cell therapies directed at CD19, and identify patients with R/R DLBCL for whom this approach may be warranted.
- Assess Phase III clinical trial data documenting the benefit of various CAR T-cell platforms as second-line therapy for patients with R/R DLBCL, and consider the potential application of these findings in routine clinical decision-making.
- Review pivotal clinical trial findings leading to the FDA approval of other novel compounds with unique mechanisms of action for R/R DLBCL, and identify patients for whom treatment with these approaches would be appropriate.
- Compare and contrast the side effects associated with available and emerging therapeutic strategies for DLBCL, and formulate supportive care plans to minimize and manage these toxicities.
- Recall ongoing clinical research evaluating novel agents and strategies for DLBCL, and counsel appropriate patients regarding the potential benefits of trial participation.

Accreditation Information



In support of improving patient care, this activity has been planned and implemented by Medical Learning Institute, Inc. and Research To Practice. Medical Learning Institute, Inc. is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Physician Continuing Medical Education

Medical Learning Institute, Inc. (MLI) designates this live activity for a maximum of 1.0 *AMA PRA Category 1 Credit™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

MOC Statement



Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 1.0 MOC point in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

Participation information will be shared through the ACCME's Program and Activity Reporting System (PARS).

Support Statement

This CE activity is supported through educational grants from Genentech, a member of the Roche Group, and Kite, A Gilead Company.

Commercial Support

This activity is supported by educational grants from Genentech, a member of the Roche Group, and Kite, A Gilead Company.

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 Company, 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, 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, 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, Sanofi Genzyme, Seagen Inc, Servier Pharmaceuticals LLC, 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.

Dr Abramson — Disclosures

Consulting Agreements	AbbVie Inc, AstraZeneca Pharmaceuticals LP, BeiGene Ltd, bluebird bio, Bristol-Myers Squibb Company, Caribou Biosciences Inc, Century Therapeutics, Epizyme Inc, Genentech, a member of the Roche Group, Genmab, Incyte Corporation, Janssen Biotech Inc, Kite, A Gilead Company, Kymera Therapeutics, Lilly, MorphoSys, Regeneron Pharmaceuticals Inc, Takeda Pharmaceuticals USA Inc
Contracted Research	AbbVie Inc, Bristol-Myers Squibb Company, Genentech, a member of the Roche Group, Seagen Inc

Dr Smith — Disclosures

Consulting Agreements	Adaptive Biotechnologies Corporation, ADC Therapeutics, Bantam, Bristol-Myers Squibb Company, Gamida Cell, Gilead Sciences Inc, Janssen Biotech Inc, Karyopharm Therapeutics, MorphoSys
Contracted Research	Acerta Pharma — A member of the AstraZeneca Group, Bristol-Myers Squibb Company, Celgene Corporation, Epizyme Inc, Forty Seven Inc, Genentech, a member of the Roche Group, Karyopharm Therapeutics, Pharmacyclics LLC, an AbbVie Company, Portola Pharmaceuticals Inc, TG Therapeutics Inc
Speaking Engagement	ADC Therapeutics ICML

Dr Westin — Disclosures

Advisory Committee and Consulting Agreements	AbbVie Inc, ADC Therapeutics, AstraZeneca Pharmaceuticals LP, Bristol-Myers Squibb Company, Calithera Biosciences, Genentech, a member of the Roche Group, Genmab, Incyte Corporation, Kite, A Gilead Company, Merck, Monte Rosa Therapeutics, MorphoSys, Novartis
Contracted Research	ADC Therapeutics, AstraZeneca Pharmaceuticals LP, Bristol-Myers Squibb Company, Calithera Biosciences, Genentech, a member of the Roche Group, Incyte Corporation, Kite, A Gilead Company, MorphoSys, Novartis

Planning Committee and Content/Peer Reviewers

The planners and content/peer reviewers from Medical Learning Institute, Inc., the accredited provider, and Research To Practice, our educational partner, do not have any relevant financial relationship(s) to disclose with ineligible companies.

Disclosure and Conflict of Interest Policy

Medical Learning Institute, Inc., is committed to providing high quality continuing education to healthcare professionals, as individuals and teams, with a protected space to learn, teach, and engage in scientific discourse free from influence from ineligible companies that may have an incentive to insert commercial bias into education. To that end, MLI requires faculty, presenters, planners, staff, and other individuals who are in a position to control the content of this CE activity to disclose all financial relationships they have had in the past 24 months with ineligible companies as defined by the ACCME, as related to the content of this CE activity, regardless of the amount or their view of the relevance to the education. All identified COI will be thoroughly vetted and mitigated according to MLI policy. These disclosures will be provided to learners prior to the start of the CE activity.

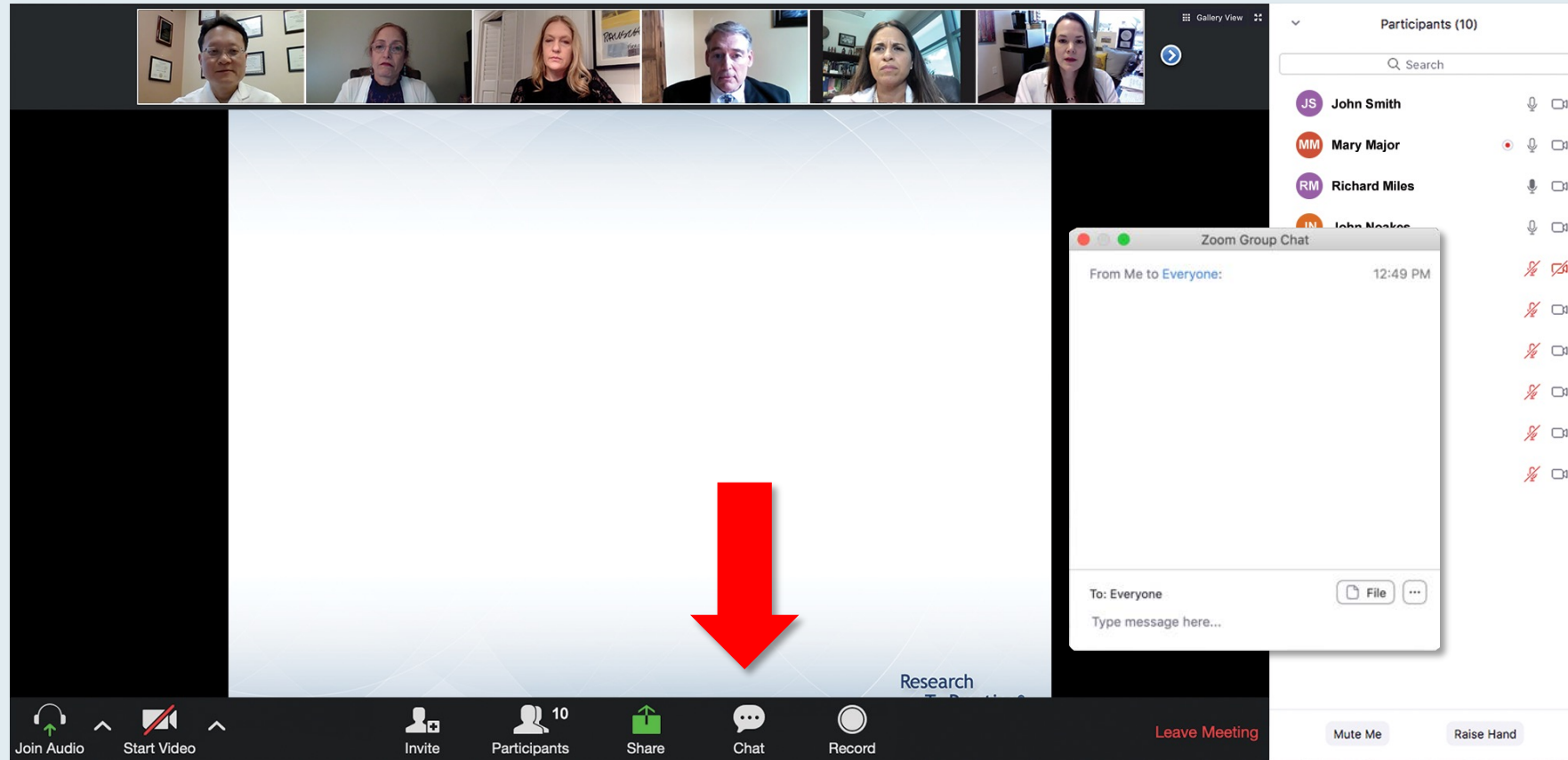
Disclosure of Unlabeled Use

This educational activity may contain discussions of published and/or investigational uses of agents that are not indicated by the FDA. The planners of this CE activity do not recommend the use of any agent outside of the labeled indications. The opinions expressed in the CE activity are those of the presenters and do not necessarily represent the views of the planners. Please refer to the official prescribing information for each product for discussion of approved indications, contraindications, and warnings.

Disclaimer

Participants have an implied responsibility to use the newly acquired information to enhance patient outcomes and their own professional development. The information presented in this CE activity is not meant to serve as a guideline for patient management. Any procedures, medications, or other courses of diagnosis or treatment discussed or suggested in this CE activity should not be used by clinicians without evaluation of their patient's conditions and possible contraindications and/or dangers in use, review of any applicable manufacturer's product information, and comparison with recommendations of other authorities.

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's a header bar with participant names: RTP Coordinat..., Kirsten Miller, RTP Mike Rivera, and Lisa Suarez. Below this is a slide titled "Meet The Professor Program Participating Faculty" featuring six faculty members with their photos and titles. To the right of the slide is a chat window. The chat window has a title bar "Chat" and a dropdown menu "Me to Panelists" with a timestamp "4:31 PM". The chat content includes a welcome message and a link to a PDF file. Below this is another message from "Me to Panelists and Attendees" with a timestamp "4:32 PM". At the bottom of the chat window, there's a "To:" dropdown menu set to "Panelists and Attendees" and a text input field "Type message here...". A red arrow points to the white line above the text input field, indicating where to drag to expand the box.

Meet The Professor Program Participating Faculty

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

Chat

Me to Panelists 4:31 PM

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

Me to Panelists and Attendees 4:32 PM

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

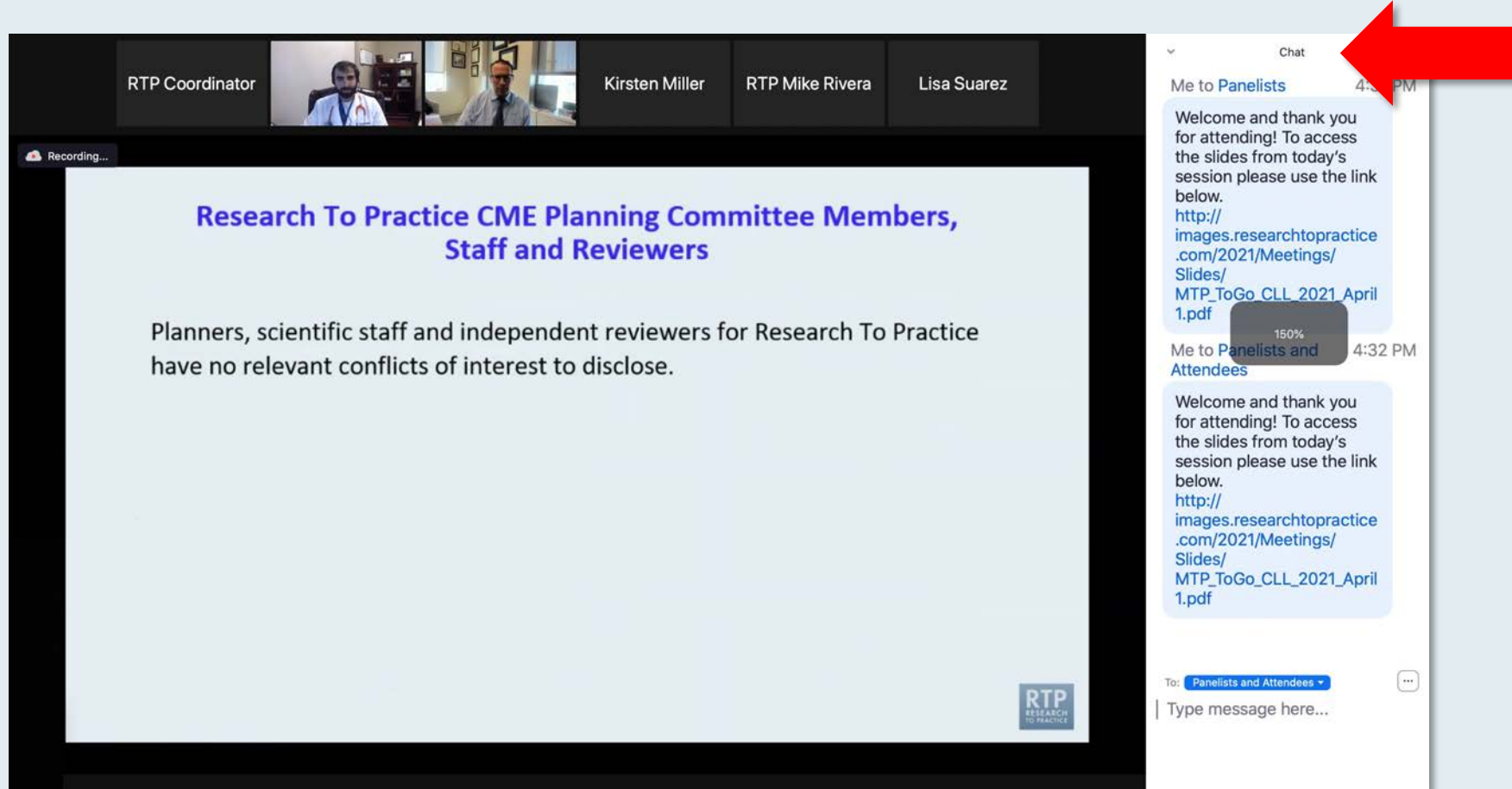
To: Panelists and Attendees

Type message here...

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 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 Gastrointestinal Cancer
Wednesday, August 25, 2021
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 several treatment options with radio buttons for selection. To the right of the main window is a 'Participants (10)' sidebar showing a list of names and their status (mute, video on/off). At the bottom of the Zoom window is a toolbar with icons for Join Audio, Start Video, Invite, Participants, Share, Chat, Record, and a red 'Leave Meeting' button.

Quick Survey

- ☐ Certizomib +/- dexamethasone
- ☐ Pomalidomide +/- dexamethasone
- ☐ Certizomib + pomalidomide +/- dexamethasone
- ☐ Elotuzumab + lenalidomide +/- dexamethasone
- ☐ Elotuzumab + pomalidomide +/- dexamethasone
- ☐ Daratumumab + lenalidomide +/- dexamethasone
- ☐ Daratumumab + pomalidomide +/- dexamethasone
- ☐ Daratumumab + bortezomib +/- dexamethasone
- ☐ Isaxomib + Rd
- ☐ Other

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

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) if follow-up 3 years later is found to have asymptomatic (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

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 buttons for selection. To the right of the main window is a 'Participants (10)' sidebar showing a list of names and their status (mute, video on/off). At the bottom of the Zoom window is a toolbar with icons for Join Audio, Start Video, Invite, Participants, Share, Chat, Record, and a red 'Leave Meeting' button.

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)

- 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

ONCOLOGY TODAY™

WITH DR NEIL LOVE

Current and Future Management of Follicular Lymphoma



DR LORETTA NASTOUPIL

THE UNIVERSITY OF TEXAS
MD ANDERSON CANCER



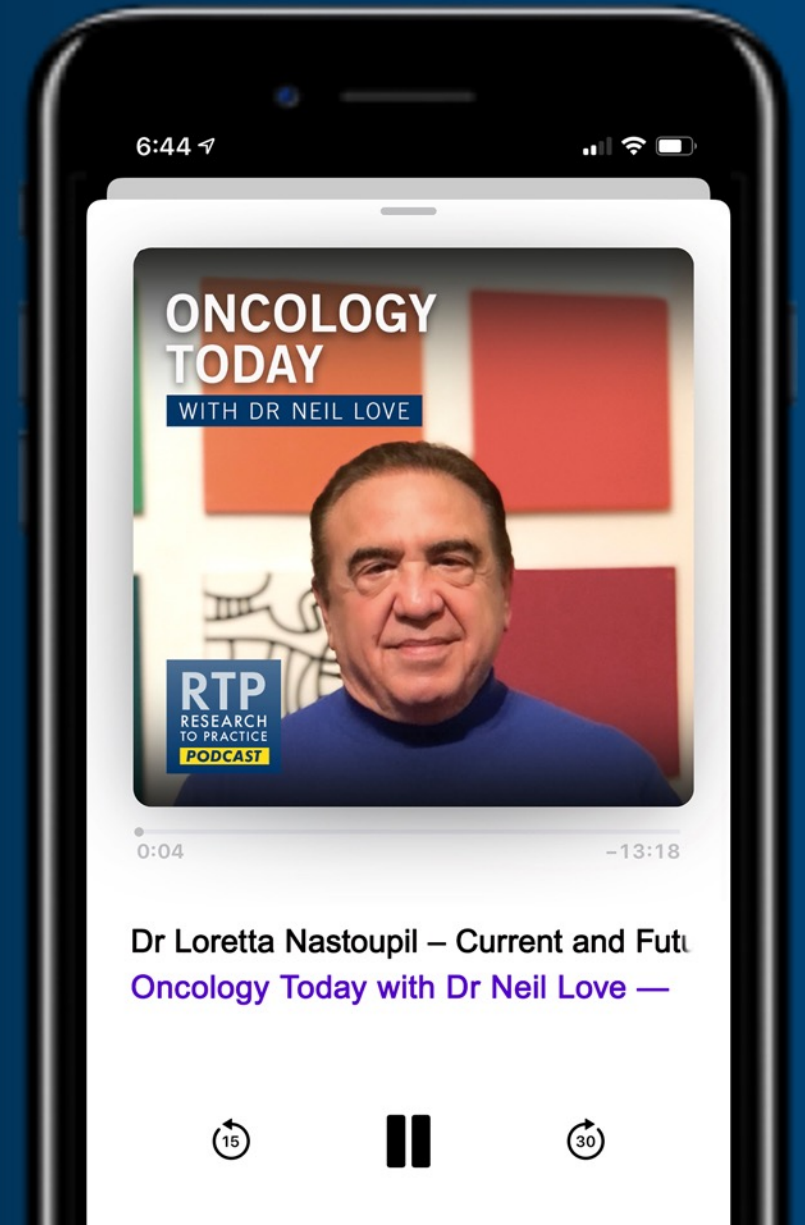
Listen on
Apple Podcasts



Spotify



Listen on
Google Podcasts



Oncology Today™ with Dr Neil Love — Management of Endometrial Cancer

A CME/MOC-Accredited Virtual Event

Wednesday, September 14, 2022

5:00 PM – 6:00 PM ET

Faculty

Michael J Birrer, MD, PhD

Moderator

Neil Love, MD

Meet The Professor
**Optimizing the Management of
Head and Neck and Thyroid Cancers**

**Tuesday, September 20, 2022
5:00 PM – 6:00 PM ET**

Faculty

Robert Haddad, MD

Moderator

Neil Love, MD

Meet The Professor

Optimizing the Management of Small Cell Lung Cancer

**Wednesday, September 21, 2022
5:00 PM – 6:00 PM ET**

Faculty

Carl M Gay, MD, PhD

Moderator

Neil Love, MD

The Clinical Implications of Key Recent Data Sets in Oncology: A Daylong Multitumor Educational Symposium in Partnership with Florida Cancer Specialists

Saturday, October 22, 2022

7:30 AM – 5:30 PM ET

JW Marriott Orlando | Orlando, Florida

Faculty

Ghassan Abou-Alfa, MD, MBA

Matthew P Goetz, MD

Ian E Krop, MD, PhD

Ann S LaCasce, MD, MMSc

Corey J Langer, MD

Prof Georgina Long, AO, BSc, PhD, MBBS

Christine M Lovly, MD, PhD

Wells A Messersmith, MD

Alicia K Morgans, MD, MPH

David M O'Malley, MD

Thomas Powles, MBBS, MRCP, MD

Mitchell R Smith, MD, PhD

John Strickler, MD

Shannon N Westin, MD, MPH

Evan Y Yu, MD

Saad Zafar Usmani, MD, MBA

Moderator

Neil Love, MD

Join Us In Person or Virtually

The Clinical Implications of Key Recent Data Sets in Oncology

*A Daylong Multitumor Educational Symposium
in Partnership with Florida Cancer Specialists*

Saturday, October 22, 2022

Lung Cancer

7:30 AM – 8:30 AM ET

Faculty

Corey J Langer, MD

Christine M Lovly, MD, PhD

CLL and Lymphomas

8:30 AM – 9:30 AM ET

Faculty

Ann S LaCasce, MD, MMSc

Mitchell R Smith, MD, PhD

Moderator

Neil Love, MD

Join Us In Person or Virtually

The Clinical Implications of Key Recent Data Sets in Oncology

*A Daylong Multitumor Educational Symposium
in Partnership with Florida Cancer Specialists*

Saturday, October 22, 2022

Prostate and Bladder Cancers

10:00 AM – 11:00 AM ET

Faculty

Alicia K Morgans, MD, MPH

Evan Y Yu, MD

Renal Cell Carcinoma

11:00 AM – 11:20 AM ET

Faculty

Thomas Powles, MBBS, MRCP, MD

Moderator

Neil Love, MD

Join Us In Person or Virtually

The Clinical Implications of Key Recent Data Sets in Oncology

*A Daylong Multitumor Educational Symposium
in Partnership with Florida Cancer Specialists*

Saturday, October 22, 2022

CAR-T and Bispecific Therapy for Multiple Myeloma

11:20 AM – 11:40 AM ET

Faculty

Saad Zafar Usmani, MD, MBA

Hepatobiliary Cancer

11:40 AM – 12:00 PM ET

Faculty

Ghassan Abou-Alfa, MD, MBA

Moderator

Neil Love, MD

Join Us In Person or Virtually

The Clinical Implications of Key Recent Data Sets in Oncology

*A Daylong Multitumor Educational Symposium
in Partnership with Florida Cancer Specialists*

Saturday, October 22, 2022

Breast Cancer

2:00 PM – 3:00 PM ET

Faculty

Matthew P Goetz, MD

Ian E Krop, MD, PhD

Endometrial Cancer

3:00 PM – 3:20 PM ET

Faculty

Shannon N Westin, MD, MPH

Moderator

Neil Love, MD

Join Us In Person or Virtually

The Clinical Implications of Key Recent Data Sets in Oncology

*A Daylong Multitumor Educational Symposium
in Partnership with Florida Cancer Specialists*

Saturday, October 22, 2022

**Ovarian Cancer and
PARP Inhibitors**

3:50 PM – 4:10 PM ET

Faculty

David M O'Malley, MD

Gastrointestinal Cancers

4:10 PM – 5:10 PM ET

Faculty

Wells A Messersmith, MD

John Strickler, MD

Moderator

Neil Love, MD

Join Us In Person or Virtually

The Clinical Implications of Key Recent Data Sets in Oncology

*A Daylong Multitumor Educational Symposium
in Partnership with Florida Cancer Specialists*

Saturday, October 22, 2022

Melanoma

5:10 PM – 5:30 PM ET

Faculty

Prof Georgina Long, AO, BSc, PhD, MBBS

Moderator

Neil Love, MD

Thank you for joining us!

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

Challenging Cases from the Community: Investigators Provide Perspectives on the Optimal Management of Diffuse Large B-Cell Lymphoma

A CME/MOC-Accredited Virtual Event

Tuesday, September 13, 2022

5:00 PM – 6:00 PM ET

Faculty

Jeremy Abramson, MD

Sonali M Smith, MD

Jason Westin, MD, MS

Moderator

Neil Love, MD

Faculty



Jeremy Abramson, MD

Director, Center for Lymphoma
Massachusetts General Hospital
Associate Professor of Medicine
Harvard Medical School
Boston, Massachusetts



Jason Westin, MD, MS

Director, Lymphoma Clinical Research
Section Chief, Aggressive Lymphoma
Department of Lymphoma and Myeloma
The University of Texas
MD Anderson Cancer Center
Houston, Texas



Sonali M Smith, MD

Elwood V Jensen Professor of Medicine
Chief, Section of Hematology/Oncology
Co-Leader, Cancer Service Line
Co-Director, Lymphoma Program
The University of Chicago
Chicago, Illinois



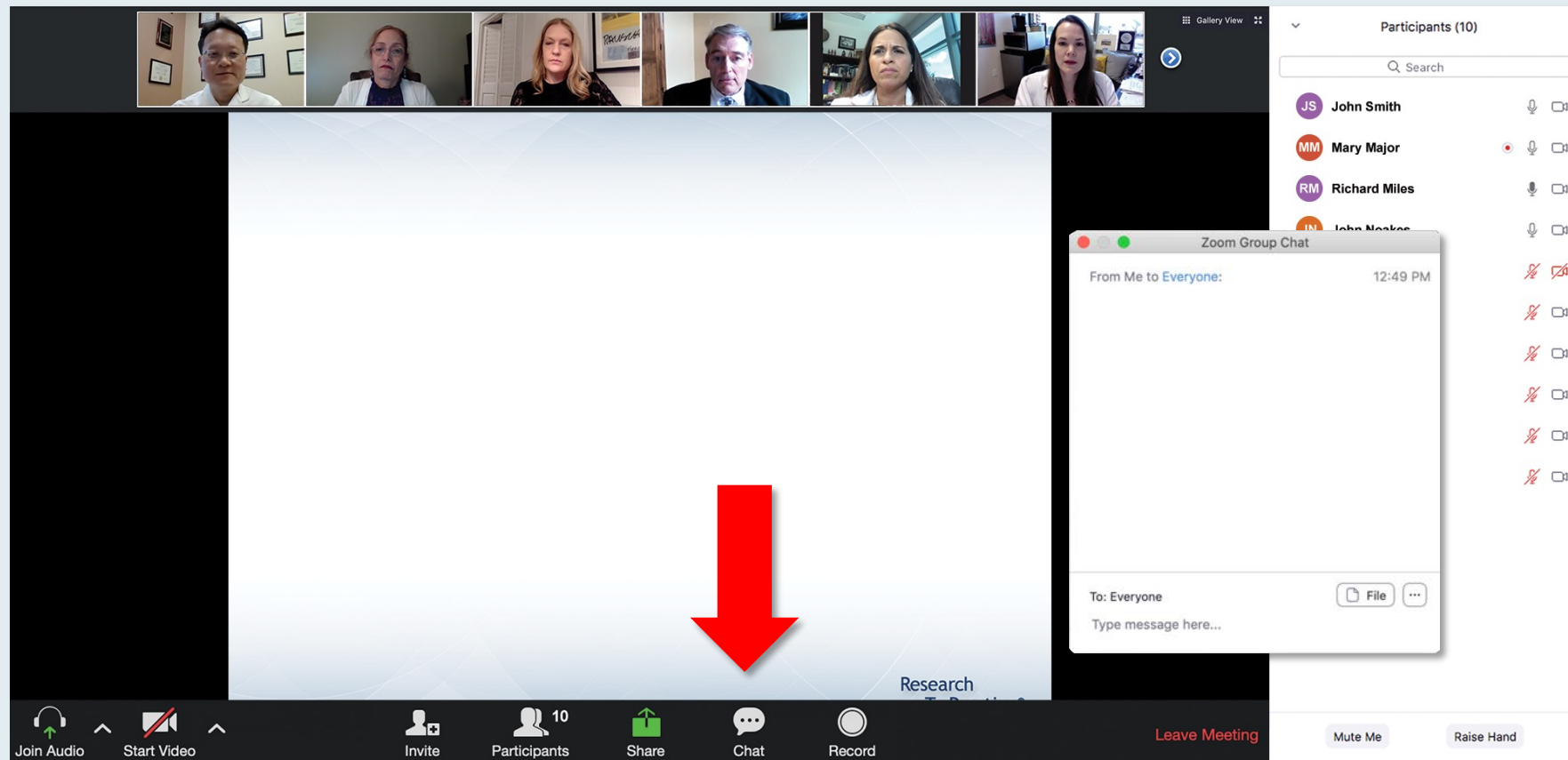
MODERATOR

Neil Love, MD

Research To Practice

**This activity will also be featured as an
“On Demand” session as part of the
Society of Hematologic Oncology 2022 Annual Meeting.**

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 Gastrointestinal Cancer
Wednesday, August 25, 2021
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 several 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 (mute, video on/off). 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.

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
- ☐ 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

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) if follow-up 3 years later is found to have asymptomatic (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

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 as radio button choices. 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.

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

ONCOLOGY TODAY™

WITH DR NEIL LOVE

Current and Future Management of Follicular Lymphoma



DR LORETTA NASTOUPIL

THE UNIVERSITY OF TEXAS
MD ANDERSON CANCER



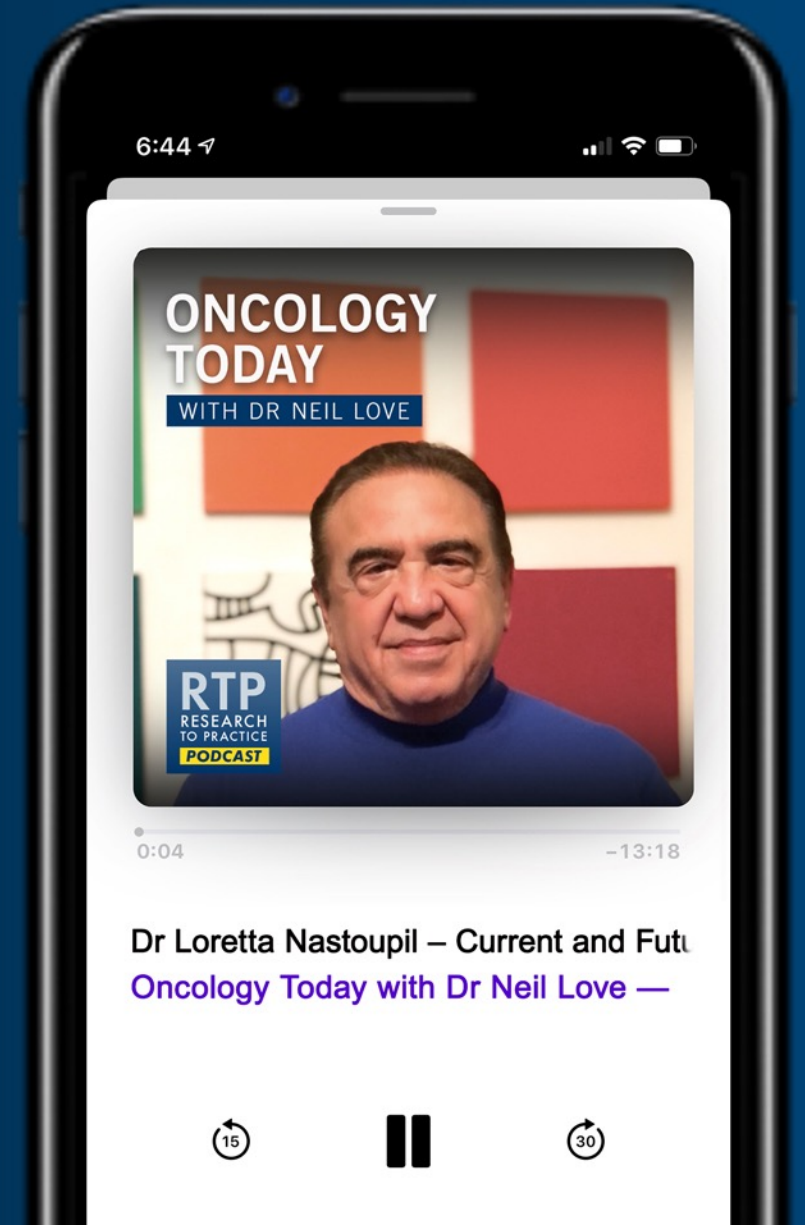
Listen on
Apple Podcasts



Spotify



Listen on
Google Podcasts



Oncology Today™ with Dr Neil Love — Management of Endometrial Cancer

A CME/MOC-Accredited Virtual Event

Wednesday, September 14, 2022

5:00 PM – 6:00 PM ET

Faculty

Michael J Birrer, MD, PhD

Moderator

Neil Love, MD

Meet The Professor
**Optimizing the Management of
Head and Neck and Thyroid Cancers**

**Tuesday, September 20, 2022
5:00 PM – 6:00 PM ET**

Faculty

Robert Haddad, MD

Moderator

Neil Love, MD

Meet The Professor

Optimizing the Management of Small Cell Lung Cancer

**Wednesday, September 21, 2022
5:00 PM – 6:00 PM ET**

Faculty

Carl M Gay, MD, PhD

Moderator

Neil Love, MD

The Clinical Implications of Key Recent Data Sets in Oncology: A Daylong Multitumor Educational Symposium in Partnership with Florida Cancer Specialists

Saturday, October 22, 2022

7:30 AM – 5:30 PM ET

JW Marriott Orlando | Orlando, Florida

Faculty

Ghassan Abou-Alfa, MD, MBA

Matthew P Goetz, MD

Ian E Krop, MD, PhD

Ann S LaCasce, MD, MMSc

Corey J Langer, MD

Prof Georgina Long, AO, BSc, PhD, MBBS

Christine M Lovly, MD, PhD

Wells A Messersmith, MD

Alicia K Morgans, MD, MPH

David M O'Malley, MD

Thomas Powles, MBBS, MRCP, MD

Mitchell R Smith, MD, PhD

John Strickler, MD

Shannon N Westin, MD, MPH

Evan Y Yu, MD

Saad Zafar Usmani, MD, MBA

Moderator

Neil Love, MD

Join Us In Person or Virtually

The Clinical Implications of Key Recent Data Sets in Oncology

*A Daylong Multitumor Educational Symposium
in Partnership with Florida Cancer Specialists*

Saturday, October 22, 2022

Lung Cancer

7:30 AM – 8:30 AM ET

Faculty

Corey J Langer, MD

Christine M Lovly, MD, PhD

CLL and Lymphomas

8:30 AM – 9:30 AM ET

Faculty

Ann S LaCasce, MD, MMSc

Mitchell R Smith, MD, PhD

Moderator

Neil Love, MD

Join Us In Person or Virtually

The Clinical Implications of Key Recent Data Sets in Oncology

*A Daylong Multitumor Educational Symposium
in Partnership with Florida Cancer Specialists*

Saturday, October 22, 2022

Prostate and Bladder Cancers

10:00 AM – 11:00 AM ET

Faculty

Alicia K Morgans, MD, MPH

Evan Y Yu, MD

Renal Cell Carcinoma

11:00 AM – 11:20 AM ET

Faculty

Thomas Powles, MBBS, MRCP, MD

Moderator

Neil Love, MD

Join Us In Person or Virtually

The Clinical Implications of Key Recent Data Sets in Oncology

*A Daylong Multitumor Educational Symposium
in Partnership with Florida Cancer Specialists*

Saturday, October 22, 2022

CAR-T and Bispecific Therapy for Multiple Myeloma

11:20 AM – 11:40 AM ET

Faculty

Saad Zafar Usmani, MD, MBA

Hepatobiliary Cancer

11:40 AM – 12:00 PM ET

Faculty

Ghassan Abou-Alfa, MD, MBA

Moderator

Neil Love, MD

Join Us In Person or Virtually

The Clinical Implications of Key Recent Data Sets in Oncology

*A Daylong Multitumor Educational Symposium
in Partnership with Florida Cancer Specialists*

Saturday, October 22, 2022

Breast Cancer

2:00 PM – 3:00 PM ET

Faculty

Matthew P Goetz, MD

Ian E Krop, MD, PhD

Endometrial Cancer

3:00 PM – 3:20 PM ET

Faculty

Shannon N Westin, MD, MPH

Moderator

Neil Love, MD

Join Us In Person or Virtually

The Clinical Implications of Key Recent Data Sets in Oncology

*A Daylong Multitumor Educational Symposium
in Partnership with Florida Cancer Specialists*

Saturday, October 22, 2022

**Ovarian Cancer and
PARP Inhibitors**

3:50 PM – 4:10 PM ET

Faculty

David M O'Malley, MD

Gastrointestinal Cancers

4:10 PM – 5:10 PM ET

Faculty

Wells A Messersmith, MD

John Strickler, MD

Moderator

Neil Love, MD

Join Us In Person or Virtually

The Clinical Implications of Key Recent Data Sets in Oncology

*A Daylong Multitumor Educational Symposium
in Partnership with Florida Cancer Specialists*

Saturday, October 22, 2022

Melanoma

5:10 PM – 5:30 PM ET

Faculty

Prof Georgina Long, AO, BSc, PhD, MBBS

Moderator

Neil Love, MD

Challenging Cases from the Community: Investigators Provide Perspectives on the Optimal Management of Diffuse Large B-Cell Lymphoma

A CME/MOC-Accredited Virtual Event

Tuesday, September 13, 2022

5:00 PM – 6:00 PM ET

Faculty

Jeremy Abramson, MD

Sonali M Smith, MD

Jason Westin, MD, MS

Moderator

Neil Love, MD

Management of DLBCL

Where We Are, Where We're Headed

PROLOGUE

MODULE 1: First-Line Treatment

MODULE 2: Bispecific Antibodies

MODULE 3: CAR T-Cell Therapy

MODULE 4: Sequencing of Novel Agents

MODULE 5: Appendix

Management of DLBCL

Where We Are, Where We're Headed

Clinical Cases

Dr Morganstein: 43-year-old man with newly diagnosed GCB-subtype Stage III DLBCL

Dr Parsons: 59-year-old woman with Stage IV double-hit DLBCL and extensive bone involvement

Dr Choksi: 77-year-old symptomatic man with longstanding CLL and Richter's transformation

Dr Ku: 66-year-old woman with newly diagnosed nonbulky Stage II DLBCL

Dr Morganstein: 75-year-old man with a history of severe CHF with a pulmonary nodule and regional adenopathy that on biopsy is proven to be DLBCL

Dr Yang: 73-year-old woman with rapid relapse after R-CHOP then R-ICE/ASCT achieves a CR with CAR T-cell therapy but experiences severe pancytopenia

Dr Mushtaq: 45-year-old man with R-CHOP-refractory DLBCL receives polatuzumab vedotin as bridging therapy
→ CAR T-cell therapy on protocol

Dr Gupta: 68-year-old man with cardiac comorbidities and relapsed DLBCL while on R-CHOP receives second-line polatuzumab vedotin/BR

Accreditation Information

Target Audience

This activity is intended for hematologists, hematology-oncology fellows, medical oncologists, radiation oncologists and other healthcare providers involved in the treatment of diffuse large B-cell lymphoma.

Educational Objectives

Upon completion of this activity, participants should be able to

- Apply available clinical research findings in the formulation of evidence-based therapeutic approaches for the treatment of newly diagnosed and relapsed/refractory (R/R) diffuse large B-cell lymphoma (DLBCL).
- Appraise published Phase III clinical trial data documenting the benefit of CD79b-targeted therapy as a component of first-line treatment for patients with DLBCL, and consider the implications of these findings for current clinical management algorithms.
- Appreciate long-term efficacy and safety data with FDA-approved chimeric antigen receptor (CAR) T-cell therapies directed at CD19, and identify patients with R/R DLBCL for whom this approach may be warranted.
- Assess Phase III clinical trial data documenting the benefit of various CAR T-cell platforms as second-line therapy for patients with R/R DLBCL, and consider the potential application of these findings in routine clinical decision-making.
- Review pivotal clinical trial findings leading to the FDA approval of other novel compounds with unique mechanisms of action for R/R DLBCL, and identify patients for whom treatment with these approaches would be appropriate.
- Compare and contrast the side effects associated with available and emerging therapeutic strategies for DLBCL, and formulate supportive care plans to minimize and manage these toxicities.
- Recall ongoing clinical research evaluating novel agents and strategies for DLBCL, and counsel appropriate patients regarding the potential benefits of trial participation.

Accreditation Information



In support of improving patient care, this activity has been planned and implemented by Medical Learning Institute, Inc. and Research To Practice. Medical Learning Institute, Inc. is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Physician Continuing Medical Education

Medical Learning Institute, Inc. (MLI) designates this live activity for a maximum of 1.0 *AMA PRA Category 1 Credit™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

MOC Statement



Successful completion of this CME activity, which includes participation in the evaluation component, enables the participant to earn up to 1.0 MOC point in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.

Participation information will be shared through the ACCME's Program and Activity Reporting System (PARS).

Support Statement

This CE activity is supported through educational grants from Genentech, a member of the Roche Group, and Kite, A Gilead Company.

Dr Abramson — Disclosures

Consulting Agreements	AbbVie Inc, AstraZeneca Pharmaceuticals LP, BeiGene Ltd, bluebird bio, Bristol-Myers Squibb Company, Caribou Biosciences Inc, Century Therapeutics, Epizyme Inc, Genentech, a member of the Roche Group, Genmab, Incyte Corporation, Janssen Biotech Inc, Kite, A Gilead Company, Kymera Therapeutics, Lilly, MorphoSys, Regeneron Pharmaceuticals Inc, Takeda Pharmaceuticals USA Inc
Contracted Research	AbbVie Inc, Bristol-Myers Squibb Company, Genentech, a member of the Roche Group, Seagen Inc

Dr Smith — Disclosures

Consulting Agreements	Adaptive Biotechnologies Corporation, ADC Therapeutics, Bantam, Bristol-Myers Squibb Company, Gamida Cell, Gilead Sciences Inc, Janssen Biotech Inc, Karyopharm Therapeutics, MorphoSys
Contracted Research	Acerta Pharma — A member of the AstraZeneca Group, Bristol-Myers Squibb Company, Celgene Corporation, Epizyme Inc, Forty Seven Inc, Genentech, a member of the Roche Group, Karyopharm Therapeutics, Pharmacyclics LLC, an AbbVie Company, Portola Pharmaceuticals Inc, TG Therapeutics Inc
Speaking Engagement	ADC Therapeutics ICML

Dr Westin — Disclosures

Advisory Committee and Consulting Agreements	AbbVie Inc, ADC Therapeutics, AstraZeneca Pharmaceuticals LP, Bristol-Myers Squibb Company, Calithera Biosciences, Genentech, a member of the Roche Group, Genmab, Incyte Corporation, Kite, A Gilead Company, Merck, Monte Rosa Therapeutics, MorphoSys, Novartis
Contracted Research	ADC Therapeutics, AstraZeneca Pharmaceuticals LP, Bristol-Myers Squibb Company, Calithera Biosciences, Genentech, a member of the Roche Group, Incyte Corporation, Kite, A Gilead Company, MorphoSys, Novartis

Planning Committee and Content/Peer Reviewers

The planners and content/peer reviewers from Medical Learning Institute, Inc., the accredited provider, and Research To Practice, our educational partner, do not have any relevant financial relationship(s) to disclose with ineligible companies.

Disclosure and Conflict of Interest Policy

Medical Learning Institute, Inc., is committed to providing high quality continuing education to healthcare professionals, as individuals and teams, with a protected space to learn, teach, and engage in scientific discourse free from influence from ineligible companies that may have an incentive to insert commercial bias into education. To that end, MLI requires faculty, presenters, planners, staff, and other individuals who are in a position to control the content of this CE activity to disclose all financial relationships they have had in the past 24 months with ineligible companies as defined by the ACCME, as related to the content of this CE activity, regardless of the amount or their view of the relevance to the education. All identified COI will be thoroughly vetted and mitigated according to MLI policy. These disclosures will be provided to learners prior to the start of the CE activity.

Disclosure of Unlabeled Use

This educational activity may contain discussions of published and/or investigational uses of agents that are not indicated by the FDA. The planners of this CE activity do not recommend the use of any agent outside of the labeled indications. The opinions expressed in the CE activity are those of the presenters and do not necessarily represent the views of the planners. Please refer to the official prescribing information for each product for discussion of approved indications, contraindications, and warnings.

Disclaimer

Participants have an implied responsibility to use the newly acquired information to enhance patient outcomes and their own professional development. The information presented in this CE activity is not meant to serve as a guideline for patient management. Any procedures, medications, or other courses of diagnosis or treatment discussed or suggested in this CE activity should not be used by clinicians without evaluation of their patient's conditions and possible contraindications and/or dangers in use, review of any applicable manufacturer's product information, and comparison with recommendations of other authorities.



Mamta Choksi, MD
Florida Cancer Specialists
New Port Richey, Florida



Rao Mushtaq, MD
National Jewish Health
Thornton, Colorado



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



Benjamin Parsons, DO
Gundersen Health System
Madison, Wisconsin



Kimberly Ku, MD
Bloomington, Illinois



John Yang, MD
Fall River, Massachusetts



Neil Morganstein, MD
Atlantic Health System
Summit, New Jersey

Management of DLBCL

Where We Are, Where We're Headed

PROLOGUE

MODULE 1: First-Line Treatment

MODULE 2: Bispecific Antibodies

MODULE 3: CAR T-Cell Therapy

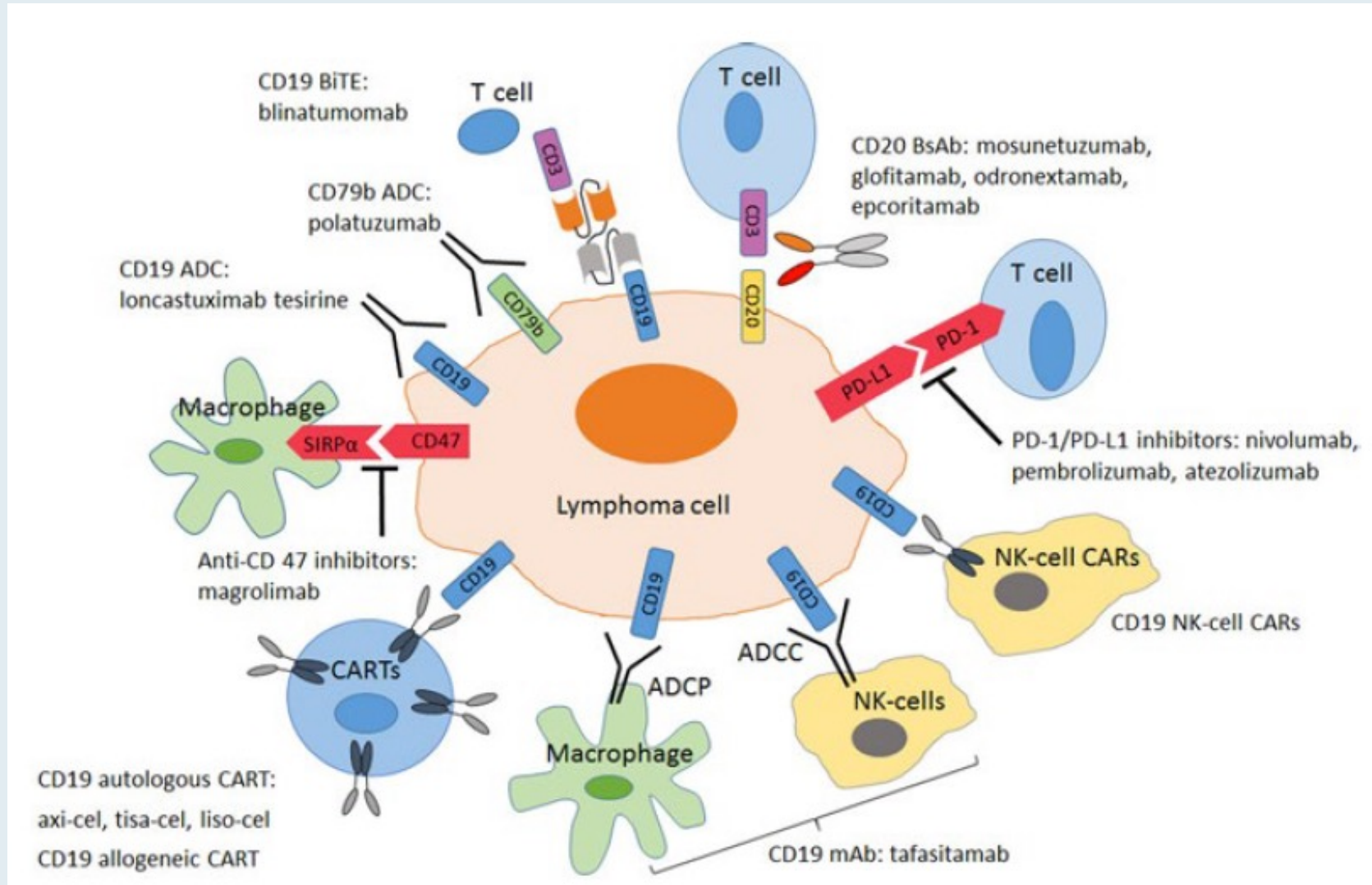
MODULE 4: Sequencing of Novel Agents

MODULE 5: Appendix

Randomized Phase III Trials Against R-CHOP for DLBCL

Trial	Comparator arm	N	Study population	PFS (experimental vs standard)
R-CHOP	R-CHOP14	602	60-80 y, aalPI \geq 1	60% vs 62% (3y)
GOYA	G-CHOP	1,418	\geq 18 y, Stage II-IV	70% vs 67% (3y)
PHOENIX	R-CHOP + ibrutinib	838	\geq 18 y, Stage II-IV, non-GCB, IPI \geq 2	71% vs 68% (3y)
ROBUST	R-CHOP + lenalidomide	570	\geq 18 y, Stage II-IV, non-GCB, IPI \geq 2	67% vs 64% (3y)
CALGB-50203	DA-EPOCH-R	524	\geq 18 y, Stage II-IV	79% vs 76% (2y)
REMoDL-B	R-CHOP + bortezomib	918	\geq 18 y	75% vs 71% (2y)

Evolving Landscape of Customized Engineered and Off-the-Shelf Immunotherapies for Aggressive B-Cell Non-Hodgkin Lymphoma



ADCC = antibody-dependent cell cytotoxicity

ADCP = antibody-dependent cellular phagocytosis

BiTE = bispecific T-cell engager

PD-1 = programmed cell death 1

PD-L1 = programmed cell death ligand 1

Important Recent Developments in DLBCL

- **POLARIX Phase III Trial**
 - Polatuzumab vedotin
- **CAR T-Cell Therapy in the Second-Line Setting**
 - Axicabtagene ciloleucel
 - Lisocabtagene maraleucel
 - Tisagenlecleucel
- **Bispecific Antibodies**
 - Glofitamab
 - Mosunetuzumab
 - Epcoritamab
 - Odronextamab

Management of DLBCL

Where We Are, Where We're Headed

PROLOGUE

MODULE 1: First-Line Treatment

Dr Morganstein: 43-year-old man with newly diagnosed GCB-subtype Stage III DLBCL

Dr Parsons: 59-year-old woman with Stage IV double-hit DLBCL and extensive bone involvement

Dr Choksi: 77-year-old symptomatic man with longstanding CLL and Richter's transformation

Dr Ku: 66-year-old woman with newly diagnosed nonbulky Stage II DLBCL

MODULE 2: Bispecific Antibodies

MODULE 3: CAR T-Cell Therapy

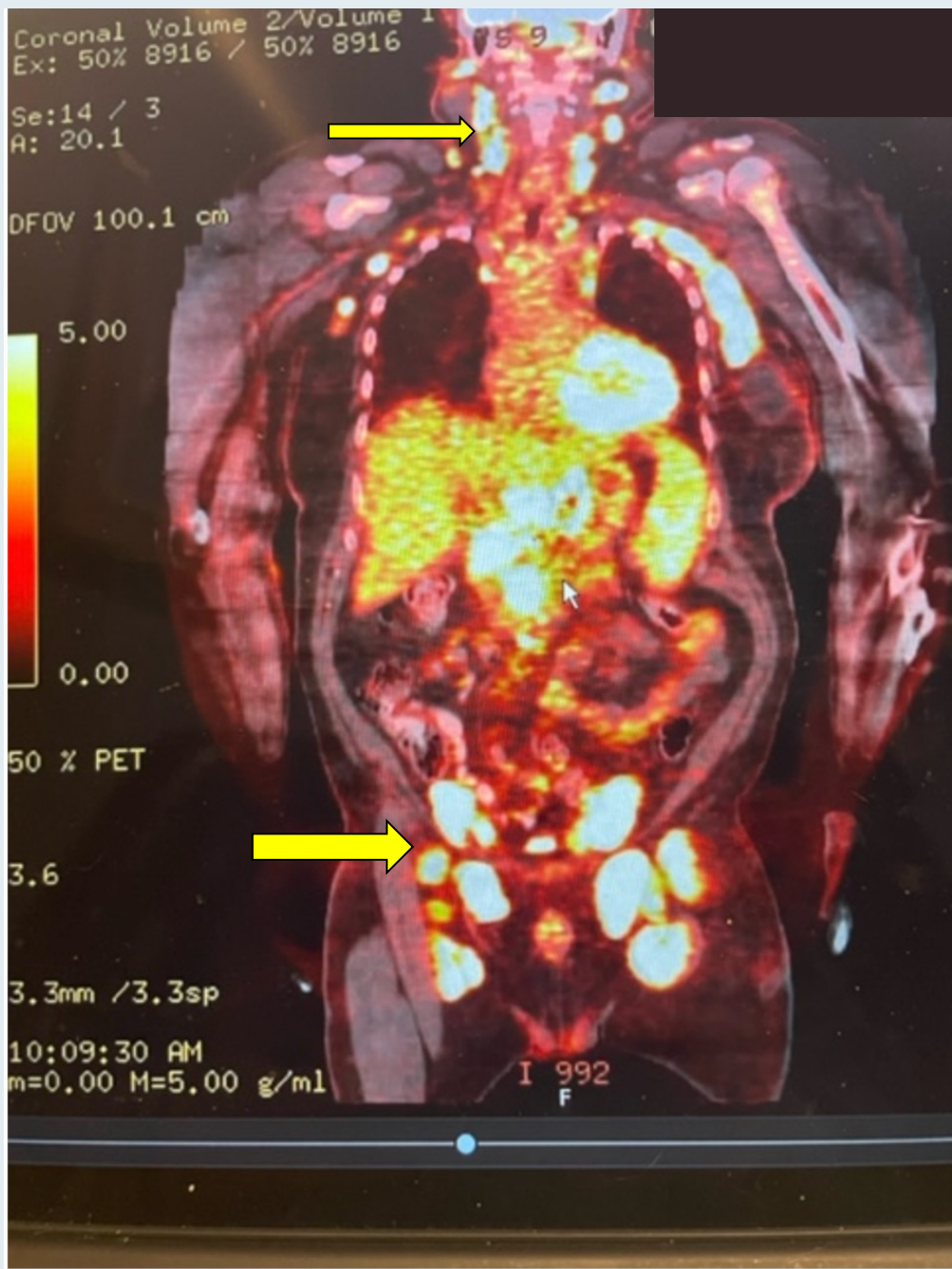
MODULE 4: Sequencing of Novel Agents

MODULE 5: Appendix

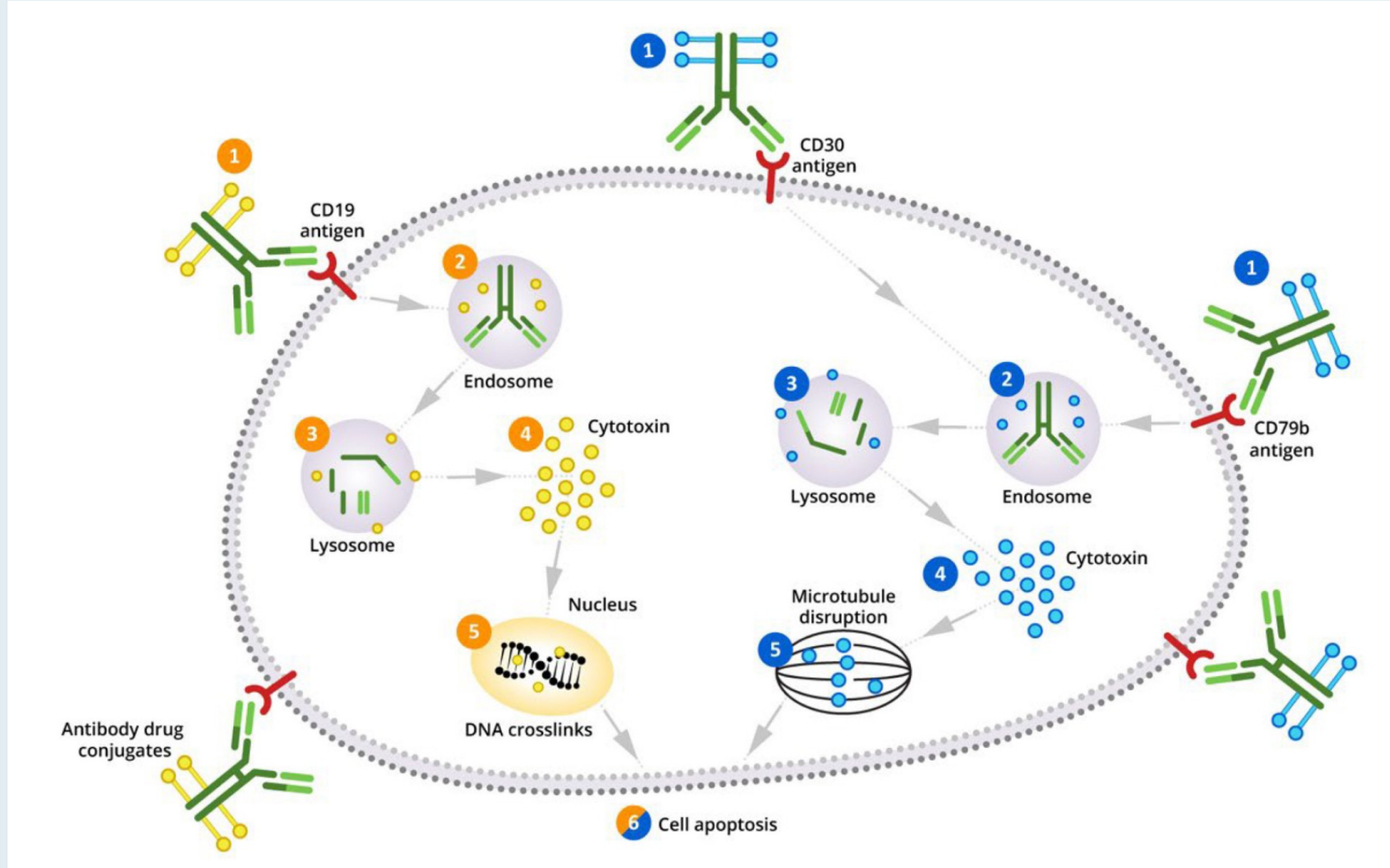
Case Presentation: 43-year-old man with newly diagnosed GCB-subtype Stage III DLBCL



Dr Neil Morganstein (Summit, New Jersey)



Antibody-Drug Conjugate Mechanism of Action in DLBCL



N Engl J Med 2022;386(4):351-63.

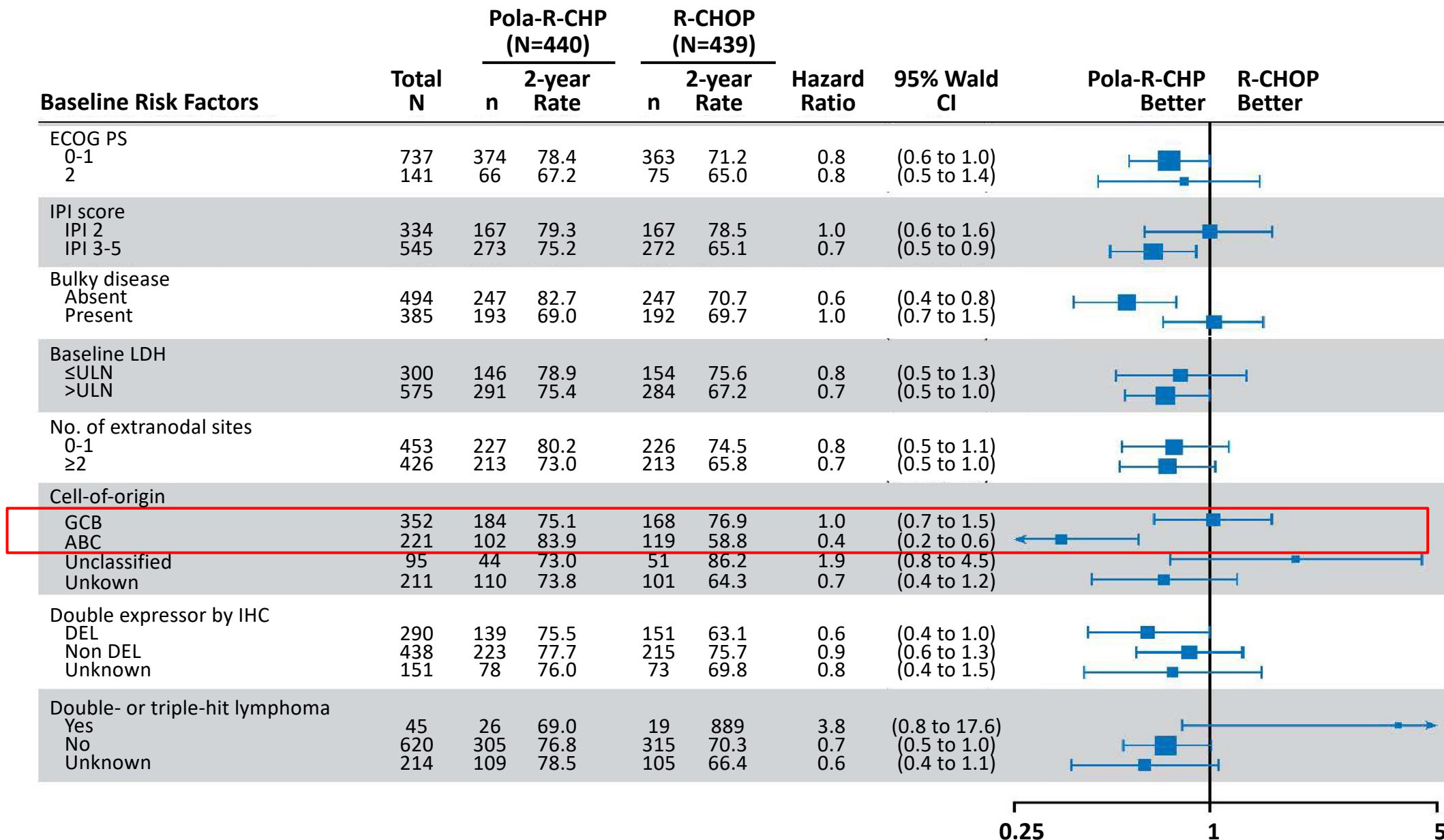
The NEW ENGLAND JOURNAL of MEDICINE

ORIGINAL ARTICLE

Polatuzumab Vedotin in Previously Untreated Diffuse Large B-Cell Lymphoma

H. Tilly, F. Morschhauser, L.H. Sehn, J.W. Friedberg, M. Trněný, J.P. Sharman, C. Herbaux, J.M. Burke, M. Matasar, S. Rai, K. Izutsu, N. Mehta-Shah, L. Oberic, A. Chauchet, W. Jurczak, Y. Song, R. Greil, L. Mykhalska, J.M. Bergua-Burgués, M.C. Cheung, A. Pinto, H.-J. Shin, G. Hapgood, E. Munhoz, P. Abrisqueta, J.-P. Gau, J. Hirata, Y. Jiang, M. Yan, C. Lee, C.R. Flowers, and G. Salles

POLARIX: Subgroup Analysis

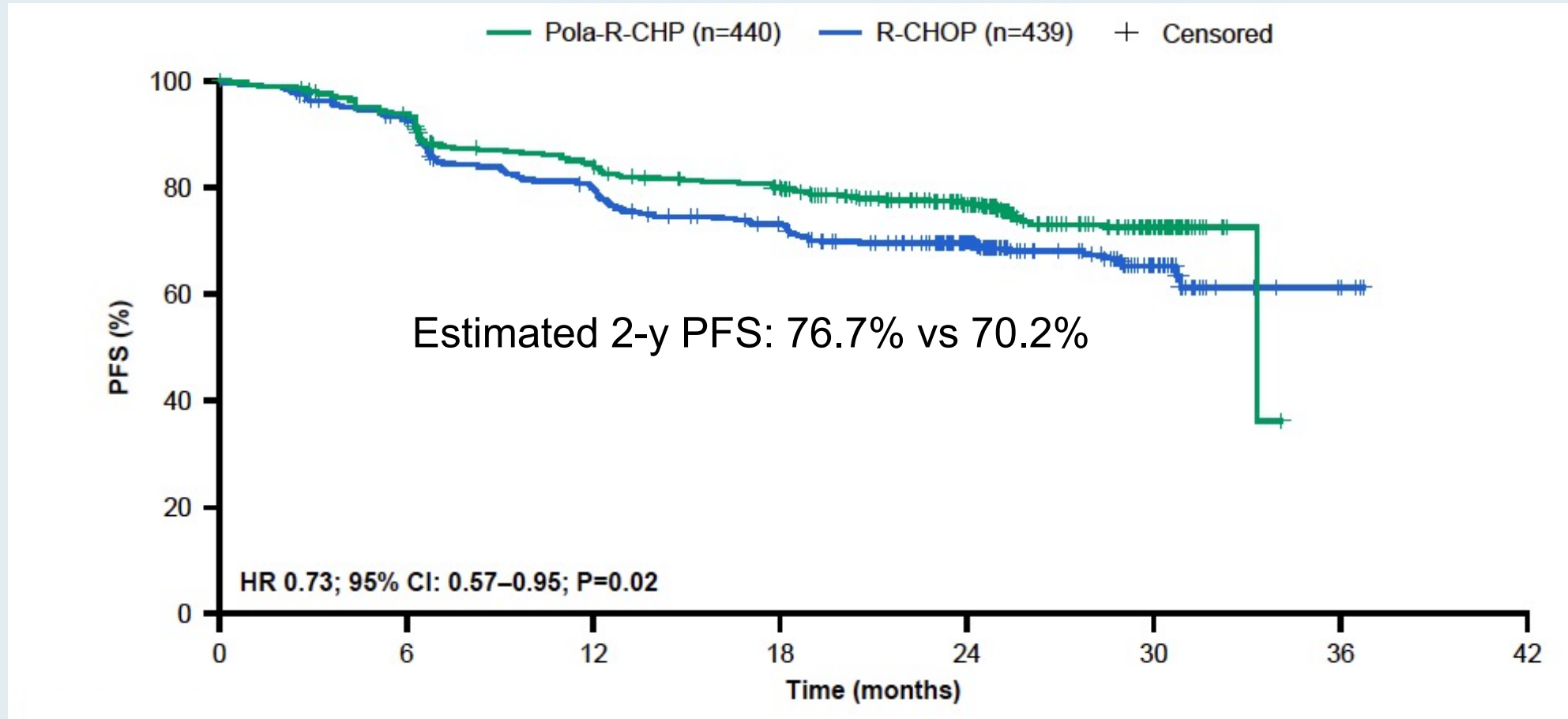


Polatuzumab Vedotin plus Rituximab, Cyclophosphamide, Doxorubicin, and Prednisone (Pola-R-CHP) Versus Rituximab, Cyclophosphamide, Doxorubicin, Vincristine and Prednisone (R-CHOP) Therapy in Patients with Previously Untreated Diffuse Large B-cell Lymphoma (DLBCL): Results from the Phase III POLARIX Study

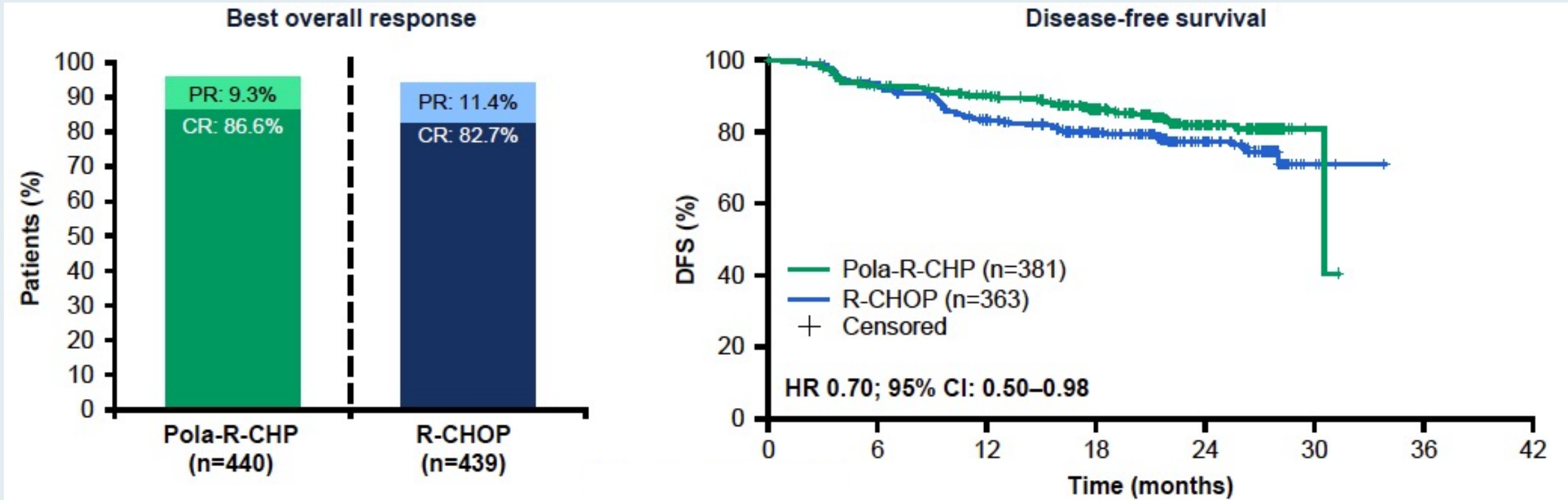
Neha Mehta-Shah,¹ Hervé Tilly,² Franck Morschhauser,³ Laurie H. Sehn,⁴ Jonathan W. Friedberg,⁵ Marek Trněný,⁶ Jeff P. Sharman,⁷ Charles Herbaux,⁸ John M. Burke,⁹ Matthew Matasar,¹⁰ Shinya Rai,¹¹ Koji Izutsu,¹² Lucie Oberic,¹³ Adrien Chauchet,¹⁴ Wojciech Jurczak,¹⁵ Yuqin Song,¹⁶ Richard Greil,¹⁷ Larysa Mykhalska,¹⁸ Juan Miguel Bergua-Burgués,¹⁹ Matthew C. Cheung,²⁰ Antonio Pinto,²¹ Ho-Jin Shin,²² Greg Hapgood,²³ Eduardo Munhoz,²⁴ Pau Abrisqueta,²⁵ Jyh-Pyng Gau,²⁶ Jamie Hirata,²⁷ Yanwen Jiang,²⁷ Mark Yan,²⁸ Calvin Lee,²⁷ Christopher Flowers,²⁹ Gilles Salles³⁰

Pan Pacific Lymphoma Conference 2022

POLARIX: Investigator-Assessed Progression-Free Survival (PFS) — Primary Endpoint



POLARIX: Key Secondary Endpoints



PR = partial response; CR = complete response

- There was no difference in overall survival between treatment arms

Outcomes by BCL2 and MYC expression and rearrangements in untreated diffuse large B-cell lymphoma (DLBCL) from the POLARIX trial

Franck Morschhauser,¹ Yanwen Jiang,² Fabrice Jardin,³ Alex F. Herrera,⁴ Laurie H. Sehn,⁵ Charles Herbaux,⁶ Christopher Flowers,⁷ Tycel Phillips,⁸ Armando López Guillermo,⁹ Catherine Diefenbach,¹⁰ Gareth P. Gregory,¹¹ Austin Kim,¹² Anna Maria Barbui,¹³ Sandhya Balasubramanian,² Will Harris,² Jamie Hirata,² Joseph N. Paulson,² Calvin Lee,² Georg Lenz¹⁴

Summary

POLARIX (NTC03274492) is a Phase III international study of
Pola-R-CHP vs R-CHOP in patients with previously untreated DLBCL and IPI 2–5.

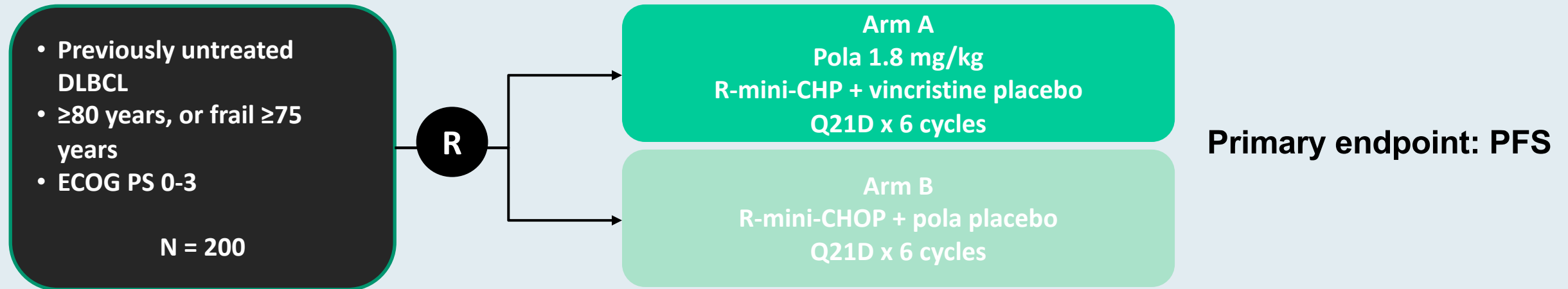
This is a **pre-specified exploratory analysis** of the prognostic significance of BCL2 and MYC protein expression, and *BCL2*, *BCL6*, and *MYC* gene rearrangements.

The **poor prognostic impact associated with DEL** appears reduced in patients receiving Pola-R-CHP vs R-CHOP.

DEL,
double-expressor lymphoma

Multivariate analyses **support the benefit of Pola-R-CHP** in patients with DLBCL that has BCL2 or MYC protein overexpression.

POLAR BEAR Study Design: Adding Polatuzumab Vedotin to R-Mini-CHOP as Initial Therapy for Older Patients with DLBCL

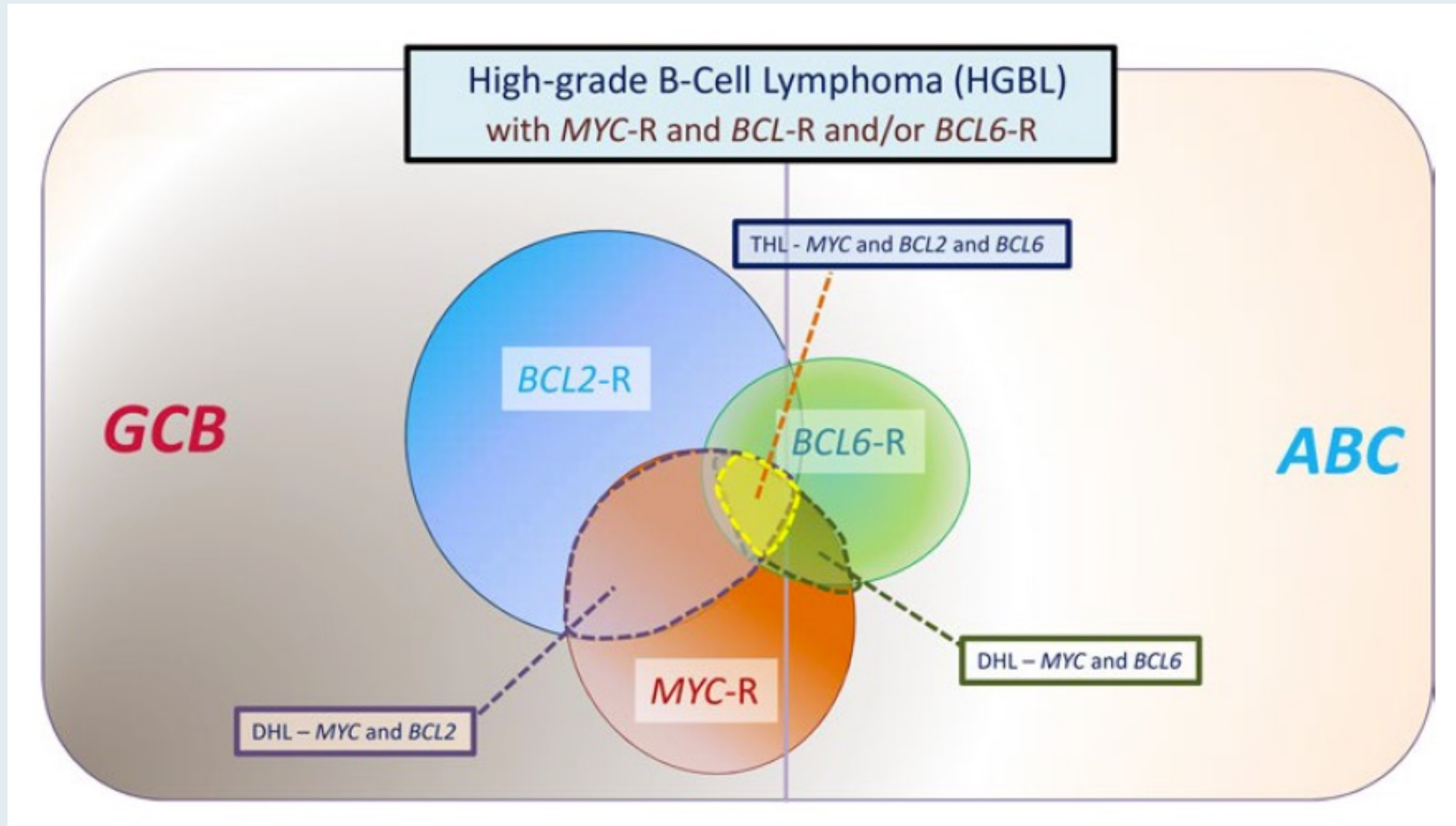


Case Presentation: 59-year-old woman with Stage IV double-hit DLBCL and extensive bone involvement

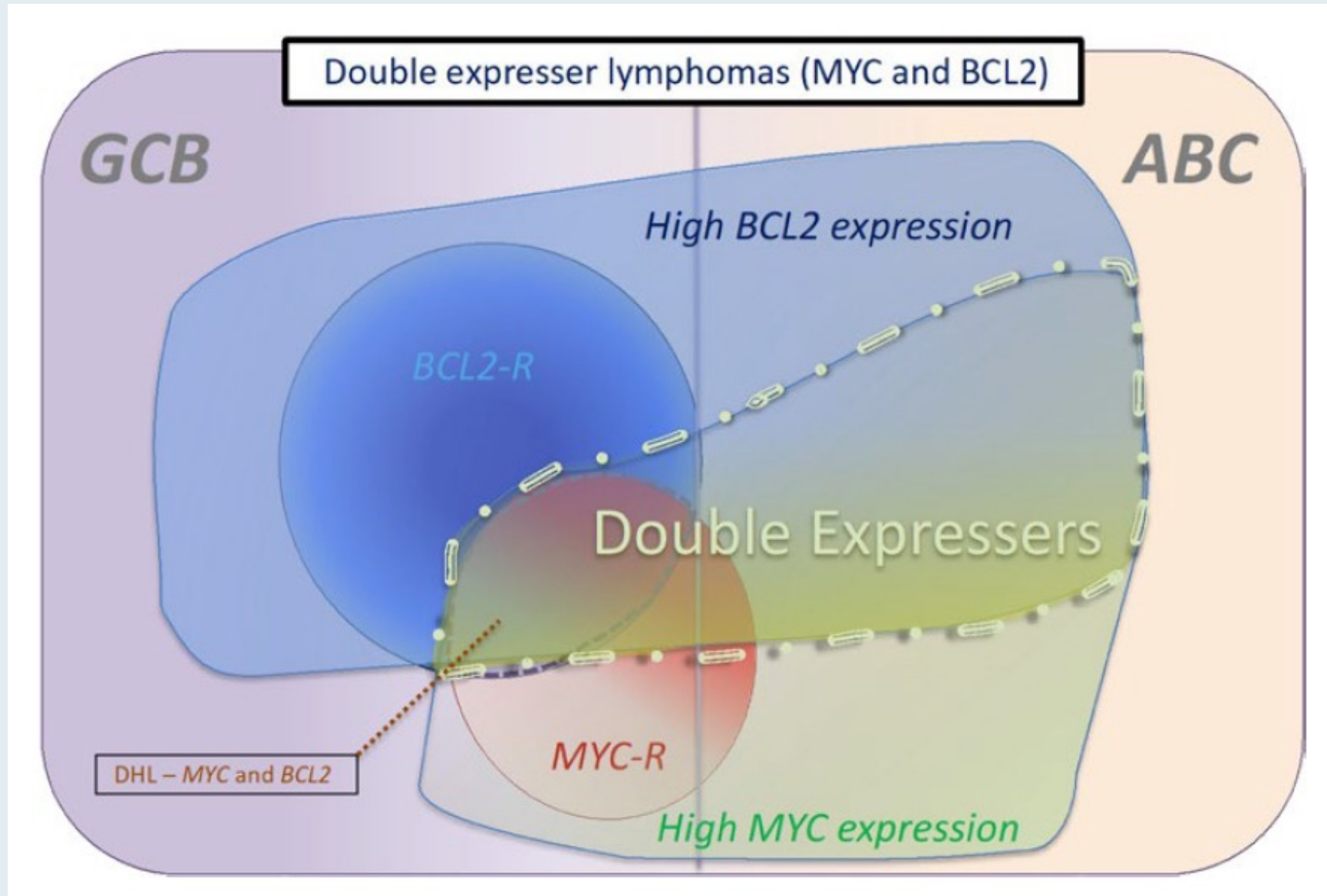


Dr Benjamin Parsons (Madison, Wisconsin)

Categories of Aggressive B-Cell Lymphomas



Categories of Double-Expressor Lymphomas



Review Article

SOHO State of the Art Updates and Next Questions: Prophylaxis and Management of Secondary CNS Lymphoma


Jillian Simard, Mark Roschewski

Clin Lymphoma Myeloma Leuk 2022;[Online ahead of print].

“The prevention of SCNSL remains an unmet clinical need and the standard approaches of delivering MTX either as intrathecal therapy or as HD-MTX during frontline therapy are largely ineffective.”

OPEN

Axicabtagene ciloleucel as first-line therapy in high-risk large B-cell lymphoma: the phase 2 ZUMA-12 trial

Sattva S. Neelapu ¹✉, Michael Dickinson ², Javier Munoz³, Matthew L. Ulrickson³, Catherine Thieblemont ^{4,5}, Olalekan O. Oluwole⁶, Alex F. Herrera⁷, Chaitra S. Ujjani⁸, Yi Lin⁹, Peter A. Riedell¹⁰, Natasha Kekre¹¹, Sven de Vos¹², Christine Lui¹³, Francesca Milletti¹³, Jinghui Dong¹³, Hairong Xu¹³ and Julio C. Chavez¹⁴

Nat Med 2022 April;28(4):735-42.

Multicenter Phase II ZUMA-12 Schema: First-Line Therapy

Eligibility criteria

- Age ≥ 18 years
- High-risk LBCL
 - HGBCL, with *MYC* and *BLCL2* and/or *BCL6* translocations, or
 - LBCL with IPI score ≥ 3 any time before enrollment
- 2 cycles of anti-CD20 plus anthracycline-containing regimen
- Positive interim PET (DS 4 or 5)
- ECOG PS score 0 or 1

Enrollment/leukapheresis

Optional nonchemotherapy bridging therapy

Conditioning chemotherapy + axi-cel infusion

- Conditioning
 - Flu 30 mg/m² i.v. and Cy 500 mg/m² i.v. on Days -5, -4, and -3
- Axi-cel
 - Single i.v. infusion of 2×10^6 CAR T cells/kg on Day 0

Primary endpoint

- CR (complete response)

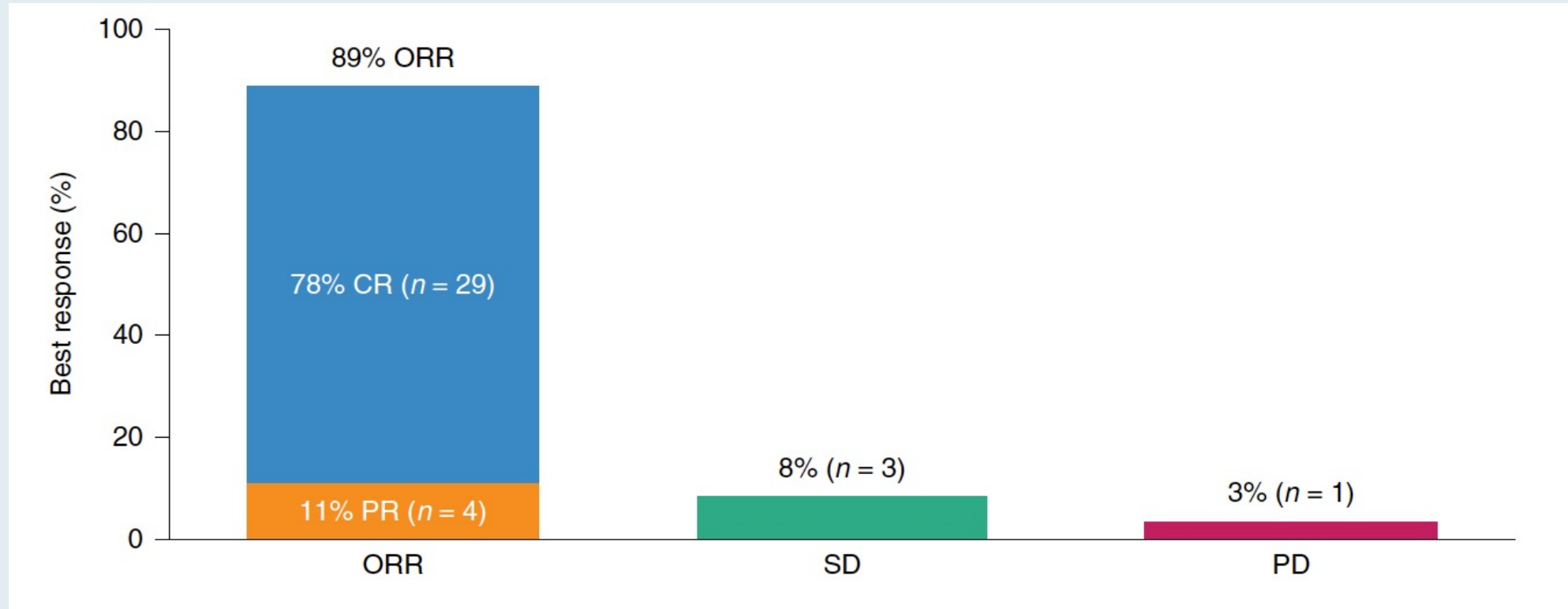
Key secondary endpoints

- ORR (objective response rate)
- DOR (duration of response)
- EFS (event-free survival)
- PFS
- OS
- Safety
- CAR T cells in blood and cytokine levels in serum

LBCL = large B-cell lymphoma; HGBCL = high-grade B-cell lymphoma

ZUMA-12: Efficacy Results with Axi-Cel as First-Line Treatment

ORR and CR in efficacy-evaluable patients (N = 37)



- At median follow-up of 15.9 months, 73% of patients remained in objective response
- Median DOR, EFS and PFS were not reached

ORR = objective response rate; CR = complete response; PR = partial response; SD = stable disease; PD = progressive disease; DOR = duration of response; EFS = event-free survival; PFS = progression-free survival

ZUMA-12: Adverse Events of Interest in $\geq 15\%$ of Patients Receiving Treatment

Adverse event ^a , n (%)	Grade 1	Grade 2	Grade ≥ 3	Total
Subjects with any CRS ^a	27 (68)	10 (25)	3 (8)	40 (100)
Pyrexia	8 (20)	28 (70)	4 (10)	40 (100)
Hypotension	7 (18)	5 (13)	0 (0)	12 (30)
Chills	9 (23)	1 (3)	0 (0)	10 (25)
Hypoxia	2 (5)	2 (5)	5 (13)	9 (23)
Sinus tachycardia	6 (15)	0 (0)	0 (0)	6 (15)
Subjects with any neurologic events	14 (35)	6 (15)	9 (23)	29 (73)
Confusional state	7 (18)	2 (5)	2 (5)	11 (28)
Encephalopathy	2 (5)	2 (5)	6 (15)	10 (25)
Tremor	8 (20)	2 (5)	0 (0)	10 (25)

^aAdverse events include those with onset on or after axi-cel infusion date and coded using MedDRA v.23.1. Neurologic events were identified using the modified blinatumomab registrational study³⁵. CRS was graded according to Lee et al.³⁶. The severity of all adverse events, including neurologic events and symptoms of CRS, was graded according to CTCAE v.5.0.

Case Presentation: 77-year-old symptomatic man with longstanding CLL and Richter's transformation



Dr Mamta Choksi (New Port Richey, Florida)

Case Presentation: 66-year-old woman with newly diagnosed nonbulky Stage II DLBCL



Dr Kimberly Ku (Bloomington, Illinois)

Management of DLBCL

Where We Are, Where We're Headed

PROLOGUE

MODULE 1: First-Line Treatment

MODULE 2: Bispecific Antibodies

Dr Morganstein: 75-year-old man with a history of severe CHF with a pulmonary nodule and regional adenopathy that on biopsy is proven to be DLBCL

MODULE 3: CAR T-Cell Therapy

MODULE 4: Sequencing of Novel Agents

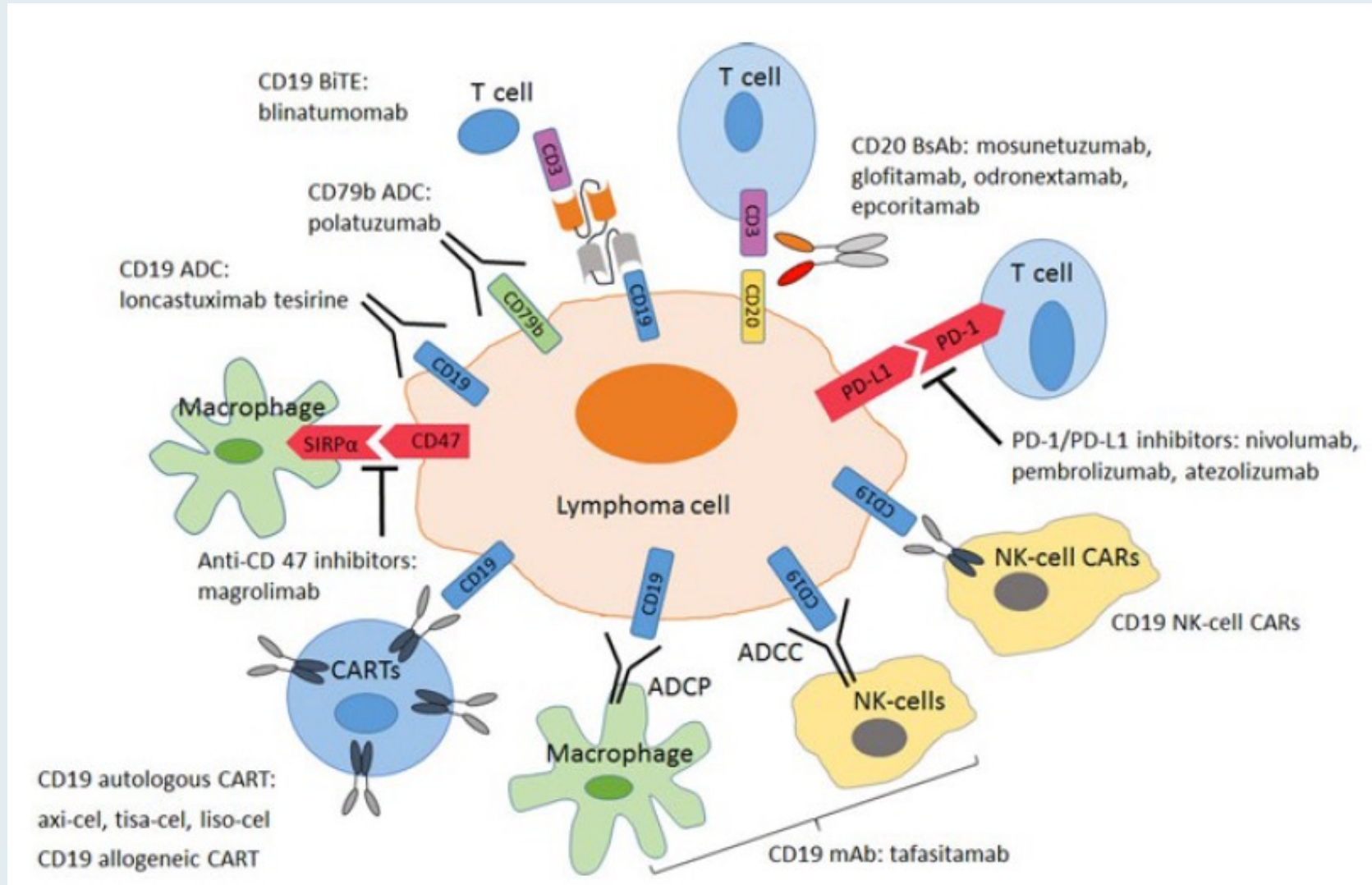
MODULE 5: Appendix

Case Presentation: 75-year-old man with a history of severe CHF with a pulmonary nodule and regional adenopathy that on biopsy is proven to be DLBCL



Dr Neil Morganstein (Summit, New Jersey)

Evolving Landscape of Customized Engineered and Off-the-Shelf Immunotherapies for Aggressive B-Cell Non-Hodgkin Lymphoma



ADCC = antibody-dependent cell cytotoxicity

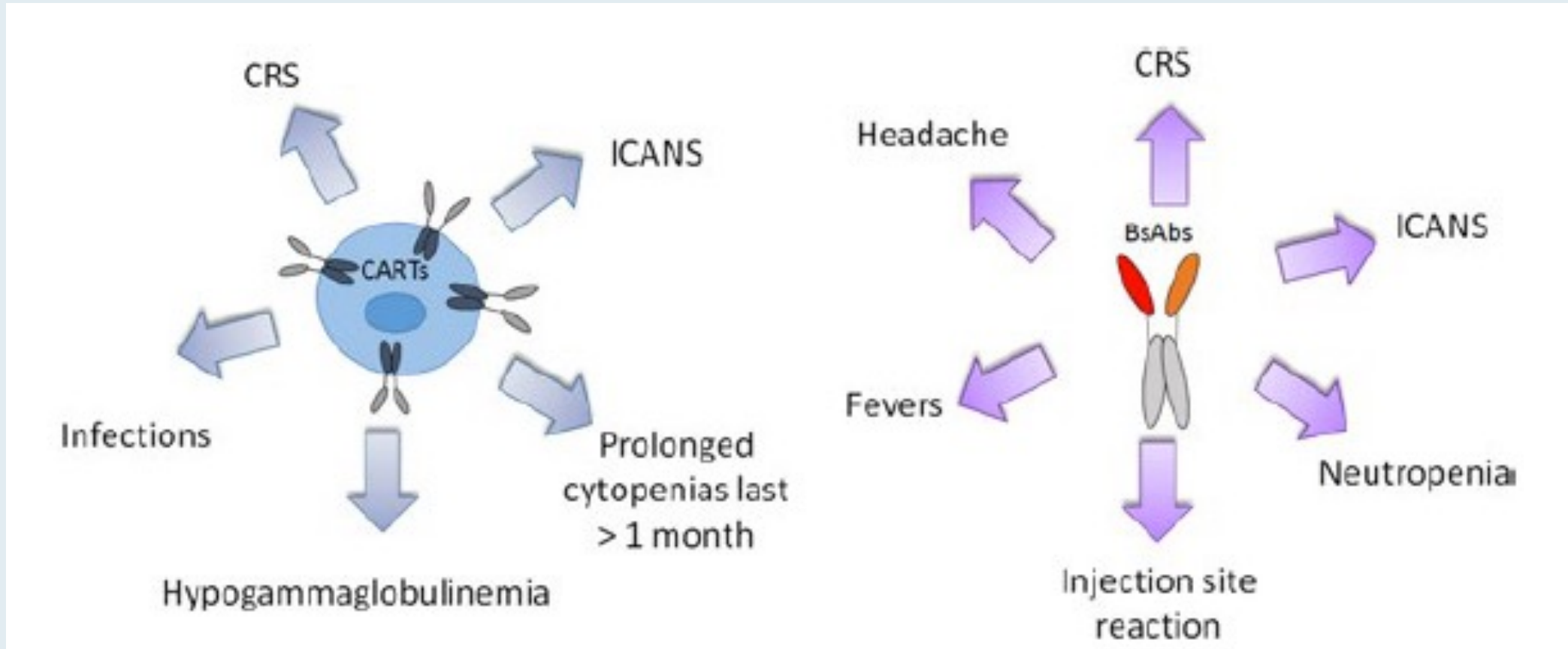
ADCP = antibody-dependent cellular phagocytosis

BiTE = bispecific T-cell engager

PD-1 = programmed cell death 1

PD-L1 = programmed cell death ligand 1

CAR T or Bispecific T-Cell-Engaging Antibody Treatment-Related Adverse Effects of Interest with an Incidence of $\geq 10\%$ or $\geq 5\%$



BsAb = Bispecific T-cell-engaging antibody

Emerging Bispecific Antibodies for DLBCL

Bispecific antibody	Construct	Administration
Glofitamab	CD3 (Fab) x CD20 (Fab x 2) Fc	IV
Mosunetuzumab	CD3 x CD20 Knobs-into-holes Fc	IV, SC
Epcoritamab	DuoBody®-CD3 x CD20	SC
Odronextamab	CD3 x CD20 common LC Fc	IV

IV = intravenous; SC = subcutaneous; LC = light chain

Glofitamab in Patients with Relapsed/Refractory (R/R) Diffuse Large B-Cell Lymphoma (DLBCL) and ≥ 2 Prior Therapies: Pivotal Phase II Expansion Results

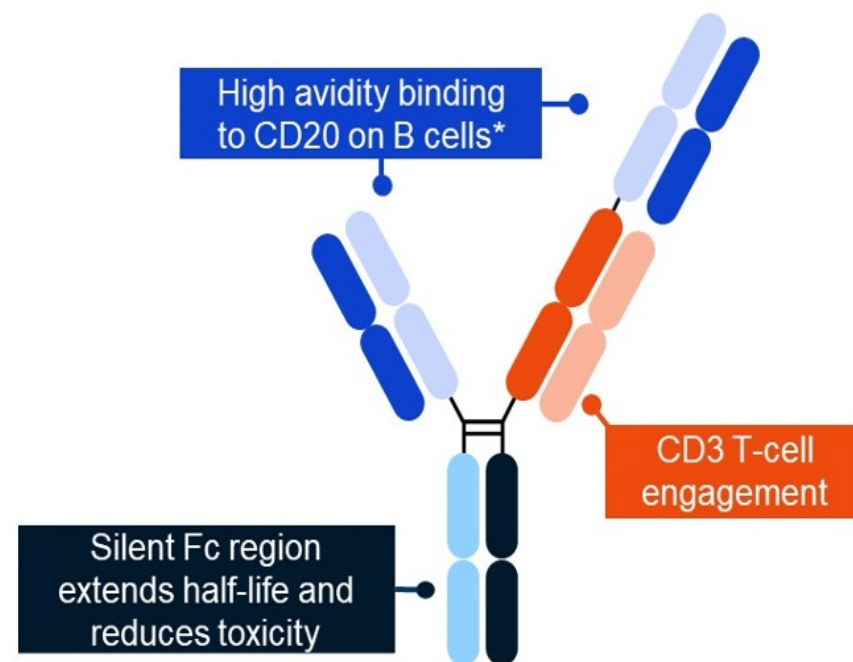
Dickinson M et al.

ASCO 2022;Abstract 7500.

Glofitamab: Background and Mechanism of Action

- **Patients with R/R DLBCL (≥2 prior therapies) have a poor prognosis^{1,2}**
 - poor outcomes are reported in patients with treatment failure after R-CHOP, particularly in those with refractory disease³
 - CAR T-cell therapy is an option for patients with R/R DLBCL but its use may be limited by logistical challenges^{4,5}
- **Glofitamab**
 - off-the-shelf and fixed duration treatment^{6,7}
- **Phase I experience (NCT03075696)⁷**
 - encouraging efficacy and manageable safety with glofitamab monotherapy in patients with R/R B-cell NHL^{6,7}
 - established a step-up dosing schedule and target dose (30mg) in patients with B-cell NHL in multiple cohorts⁸

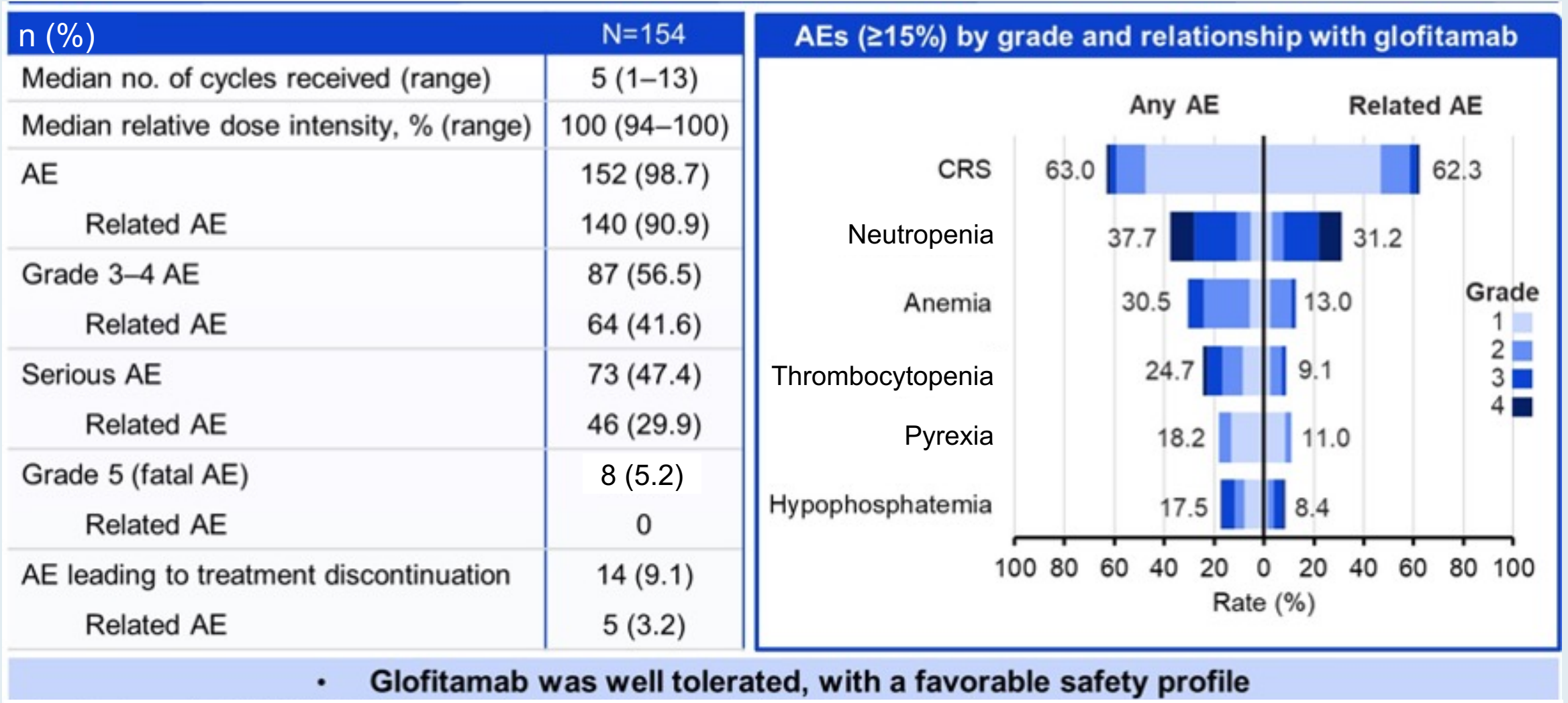
Glofitamab: CD20xCD3 bispecific monoclonal antibody with 2:1 format for increased potency vs 1:1 format⁶



Response Rates with Glofitamab in Patients with R/R DLBCL (≥2 Prior Therapies)

Efficacy endpoint		Glofitamab 2.5/10/30mg (n=155)
CR rate		61 (39.4%) [95% CI: 31.6%, 47.5%]
ORR		80 (51.6%) [95% CI: 43.5%, 59.7%]
<ul style="list-style-type: none"> Median duration of follow-up: 12.6 months (range: 0–22) Responses were achieved early: median time to first CR was 42 days (95% CI: 42, 44) 		
<ul style="list-style-type: none"> At time of primary analysis, primary endpoint met in the primary efficacy population (n=108; 35.2% CR rate by IRC significantly greater ($p<0.0001$) than 20% historical control CR rate) 		
<ul style="list-style-type: none"> High CR/ORR rate at RP2D 		

Safety Profile of Glofitamab in Patients with R/R DLBCL (≥2 Prior Therapies)



Safety Profile of Glofitamab in Patients with R/R DLBCL (≥2 Prior Therapies) — Continued

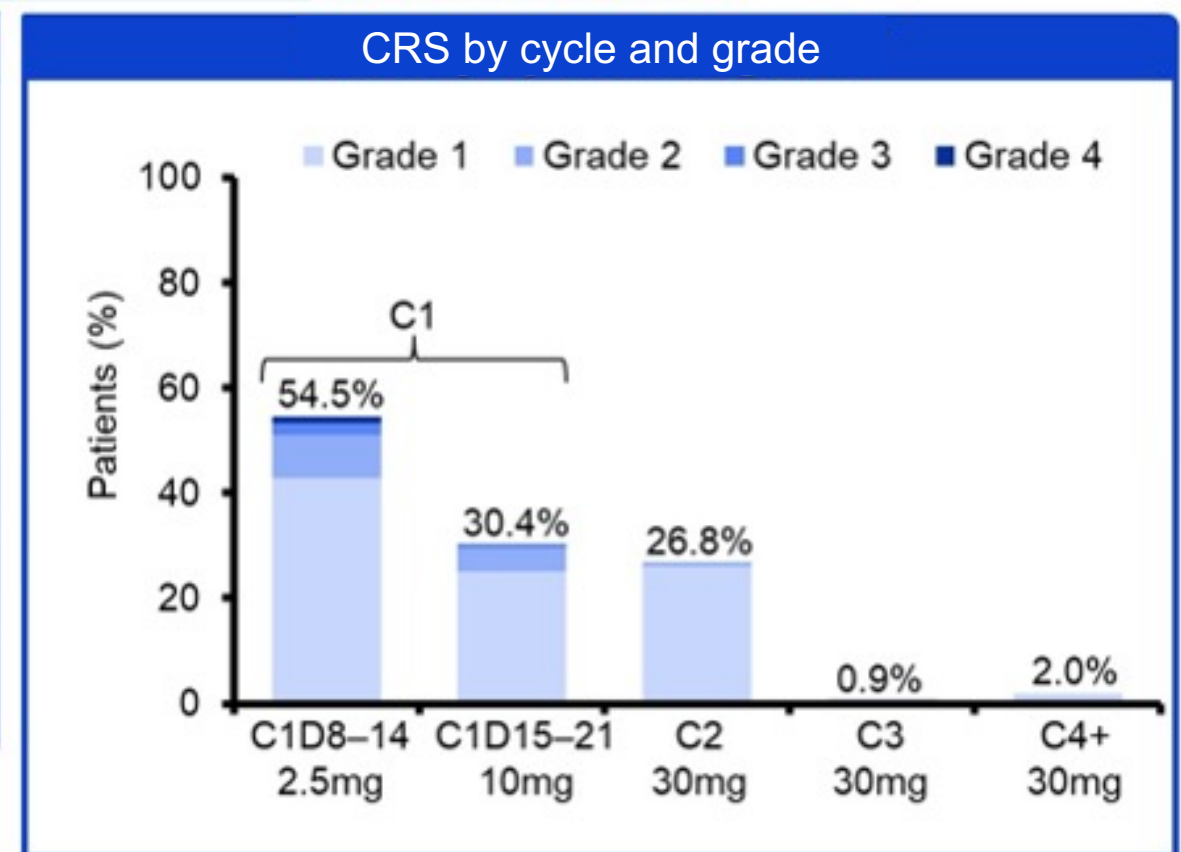
n (%)	N=154
Infections (all grades)	59 (38.3)
Grade ≥3	23 (14.9)
Neutropenia (all grades)	58 (37.7)
Grade ≥3	41 (26.6)
Febrile neutropenia (all grades)	4 (2.6)
Grade ≥3	4 (2.6)
Tumor flare events (all grades)	17 (11.0)
Grade ≥3	4 (2.6)
Neurologic AEs (all grades)	59 (38.3)
Grade ≥3	5 (3.2)
ICANS (derived)	
All grades (CTCAE)	12 (7.8)
Grade ≥3 (CTCAE)	4 (2.6)

n (%)	N=154
AE leading to treatment discontinuation	14 (9.1)
Infections and infestations	6 (3.9)
Delirium	2 (1.3)
Neutropenia	2 (1.3)
Hepatobiliary disorders	1 (0.6)
Gastrointestinal hemorrhage	1 (0.6)
CRS	1 (0.6)
Melanoma recurrent	1 (0.6)

- **Low rate of treatment discontinuations due to AEs and low rate of ICANS events**

Incidence of Cytokine Release Syndrome with Glofitamab in Patients with R/R DLBCL (≥ 2 Prior Therapies)

n (%)	N=154
CRS (any grade)	97 (63.0)
Grade 1 (fever)	73 (47.4)
Grade 2	18 (11.7)
Grade 3	4 (2.6)
Grade 4	2 (1.3)
Median time to CRS onset from C1D8 dose, hours (range)	13.6 (6.2–51.8)
Corticosteroids for CRS management	27/97 (27.8)
Tocilizumab for CRS management	31/97 (32.0)



- CRS was mostly low grade, time of onset was predictable, and most events occurred during C1

original reports

Single-Agent Mosunetuzumab Shows Durable Complete Responses in Patients With Relapsed or Refractory B-Cell Lymphomas: Phase I Dose-Escalation Study

Lihua E. Budde, MD¹; Sarit Assouline, MD²; Laurie H. Sehn, MD³; Stephen J. Schuster, MD⁴; Sung-Soo Yoon, MD, PhD⁵; Dok Hyun Yoon, MD, PhD⁶; Matthew J. Matasar, MD⁷; Francesc Bosch, MD, PhD⁸; Won Seog Kim, MD, PhD⁹; Loretta J. Nastoupil, MD¹⁰; Ian W. Flinn, MD, PhD¹¹; Mazyar Shadman, MD, MPH¹²; Catherine Diefenbach, MD¹³; Carol O'Hear, MD, PhD¹⁴; Huang Huang, MSc¹⁵; Antonia Kwan, MBBS, PhD¹⁴; Chi-Chung Li, PhD¹⁴; Emily C. Piccione, PhD¹⁴; Michael C. Wei, MD, PhD¹⁴; Shen Yin, PhD¹⁴; and Nancy L. Bartlett, MD¹⁶

J Clin Oncol 2022 February 10;40(5):481-91.

Efficacy of Single-Agent Mosunetuzumab for Relapsed/Refractory B-Cell Lymphomas

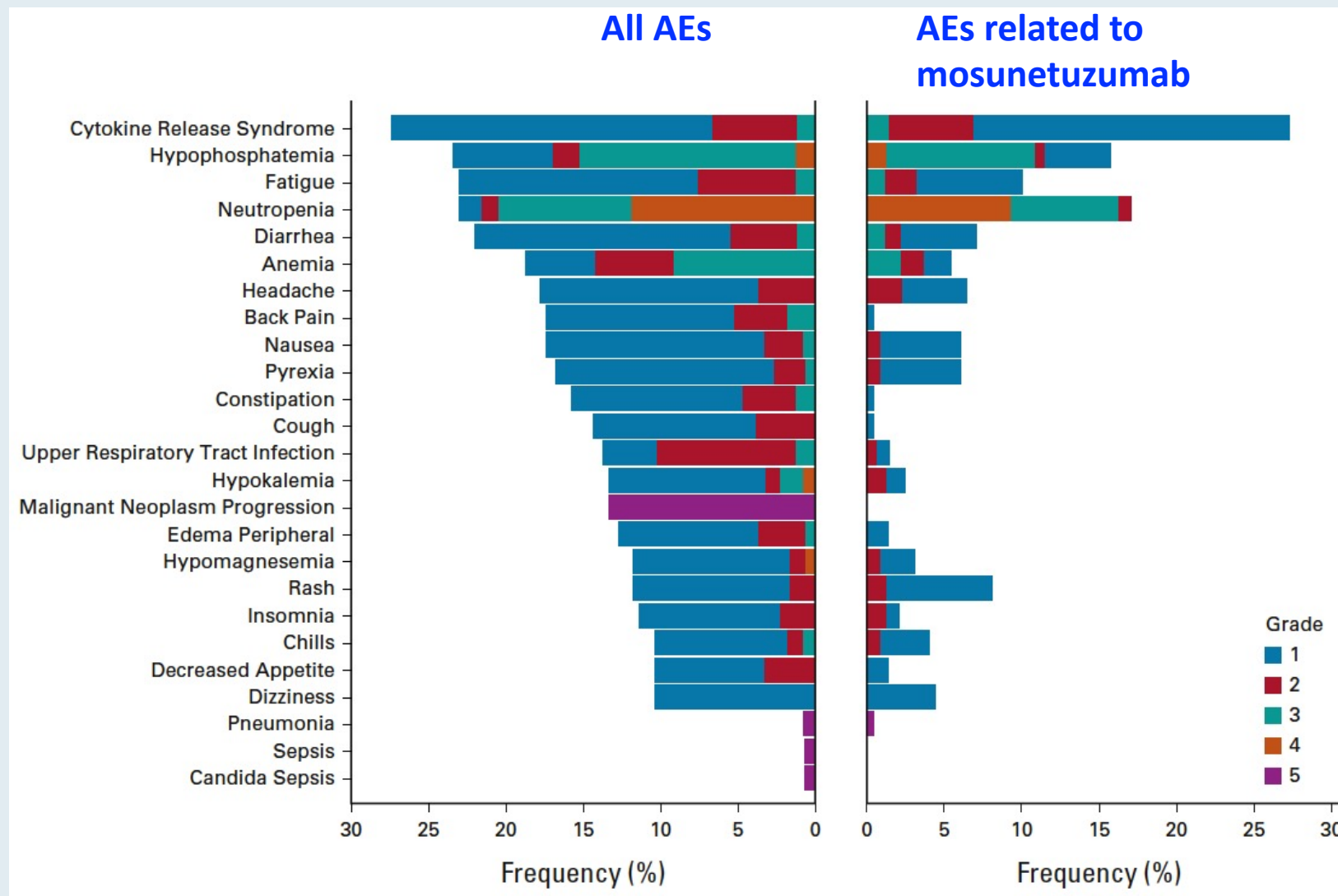
Best Objective Response ^a	Aggressive NHL ^b (n = 129)	Indolent NHL ^c (n = 68)	Post-CAR-T Therapy (n = 19)
ORR, No. (%) [95% CI]	45 (34.9) [26.7 to 43.8]	45 (66.2) [53.7 to 77.2]	7 ^d (36.8) [16.3 to 61.6]
Complete response, No. (%) [95% CI]	25 (19.4) [13.0 to 27.3]	33 (48.5) [36.2 to 61.0]	5 (26.3) [9.2 to 51.2]
Partial response, No. (%) [95% CI]	20 (15.5) [9.7 to 22.9]	12 (17.6) [9.5 to 28.8]	2 (10.5) [1.3 to 33.1]
Stable disease, No. (%) [95% CI]	9 (7.0) [3.2 to 12.8]	13 (19.1) [10.6 to 30.5]	0 (0) [0.0 to 17.7]
Progressive disease, No. (%) [95% CI]	70 (54.3) [45.3 to 63.1]	9 (13.2) [6.2 to 23.6]	12 (63.2) [38.4 to 83.7]
Duration of response, median [95% CI], months	7.6 [5.6 to 22.8]	16.8 [11.7 to NE]	Not reported due to small sample size (n = 7) ^d
Duration of response in patients with complete response, median [95% CI], months	22.8 [7.6 to NE]	20.4 [16.0 to NE]	Not reported due to small sample size (n = 5)

^a Response by computed tomography with or without fluorodeoxyglucose positron emission tomography. At data cutoff, among patients who had at least one tumor assessment, 86% had at least one positron emission tomography scan performed.

^b Includes patients with DLBCL (n = 82), transformed follicular lymphoma (FL; n = 26), mantle cell lymphoma (MCL; n = 13), Richter's transformation (n = 5), FL Grade IIIb (n = 1), transformed marginal zone lymphoma (MZL; n = 1) and mixed DLBCL and MCL (n = 1).

^c Includes patients with FL (Grade I-IIIa; n = 68), MZL (n = 2) and small lymphocytic lymphoma (n = 1).

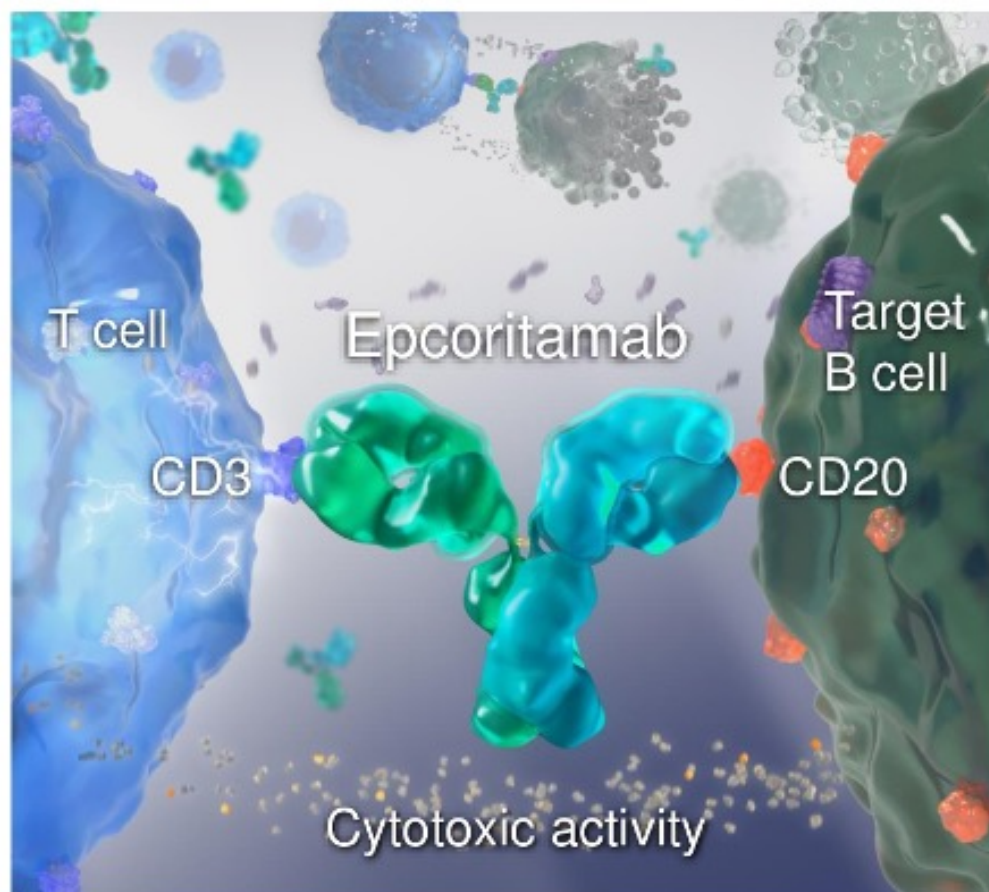
Adverse Events (AEs) with Incidence of Greater than 10% or National Cancer Institute-Common Terminology Criteria for AEs Grade



**First-line treatment (Tx)
with subcutaneous (SC)
epcoritamab (epco) +
R-CHOP in patients (pts)
with high-risk diffuse large
B-cell lymphoma (DLBCL):
phase 1/2 data update**

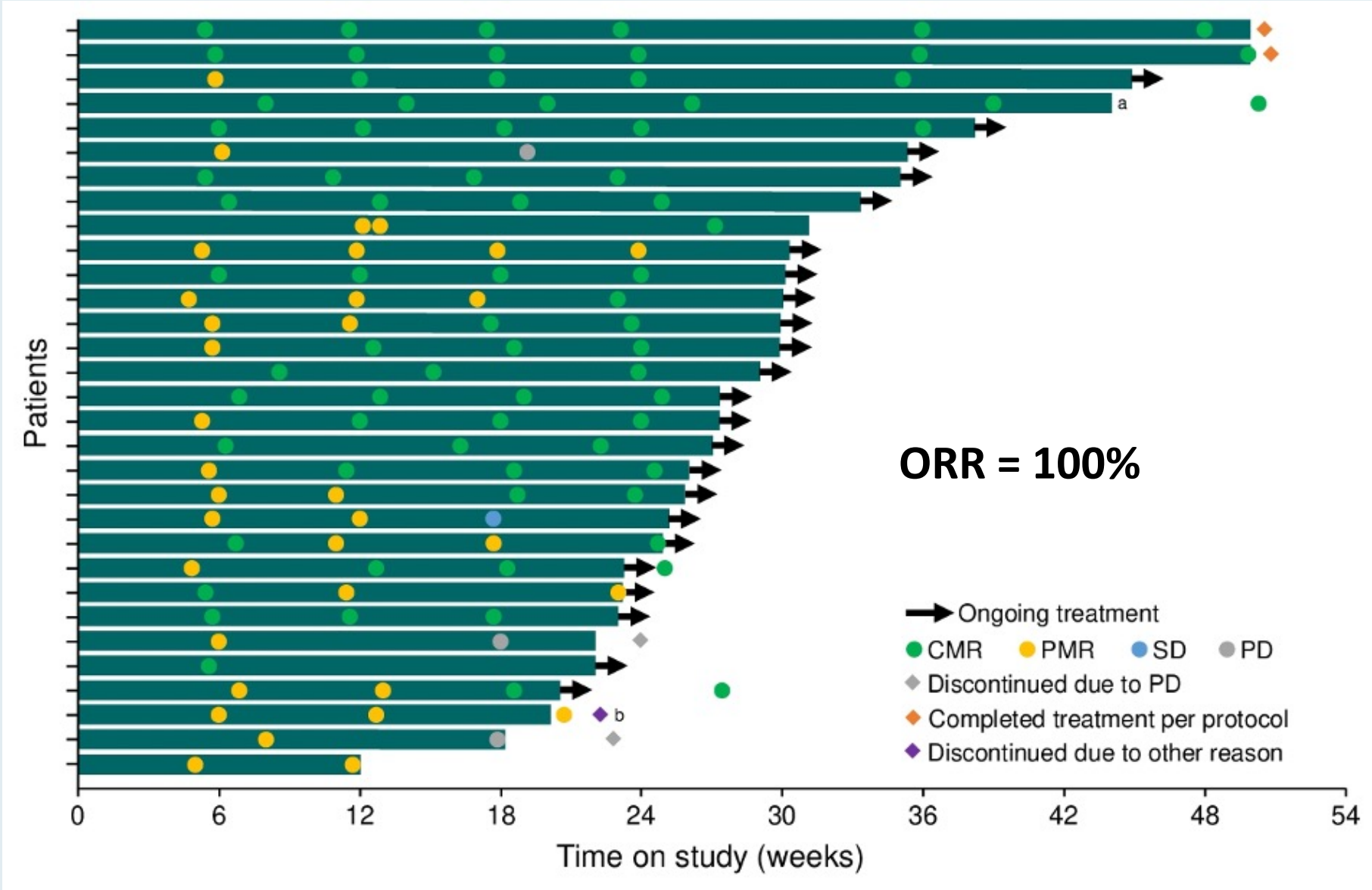
Lorenzo Falchi, MD,^{1*} Fritz Offner, MD, PhD,² David Belada, MD, PhD,³
Joshua Brody, MD,⁴ Kim M. Linton, MBChB, PhD,⁵ Yasmin Karimi, MD,⁶
Raul Cordoba, MD, PhD,⁷ Sylvia Snauwaert, MD, PhD,⁸ Aqeel Abbas, MS,⁹
Liwei Wang, PhD,⁹ Jun Wu, MD, MS,¹⁰ Brian Elliott, MD,⁹
Michael Roost Clausen, MD, PhD¹¹

Epcoritamab: Background and Mechanism of Action



- Patients with DLBCL, particularly those considered high/poor risk (ie, with 3–5 risk factors, based on the revised IPI), have poor outcomes with standard first-line therapy (R-CHOP), with 55% overall survival at 4 years^{1,2}
 - A significant unmet need remains in this population, and new approaches are needed
- Epcoritamab is a subcutaneously administered (SC) bispecific antibody that binds to CD3 on T cells and CD20 on B cells to induce T-cell-mediated killing of CD20⁺ malignant B cells^{3,4}
- Epcoritamab-mediated T-cell cytotoxicity is maintained in combination with R-CHOP^{3,5}
- In the dose-escalation part of the EPCORE NHL-1 phase 1/2 trial, single-agent epcoritamab had a manageable safety profile and substantial antitumor activity in patients with heavily pretreated B-cell NHL⁶
- Epcoritamab is well suited for combination therapy due to its mechanism of action, distinct from that of the components of standard of care R-CHOP^{3,5,7}

EPCORE NHL-2: Response Profile



EPCORE NHL-2: Cytokine Release Syndrome (CRS)

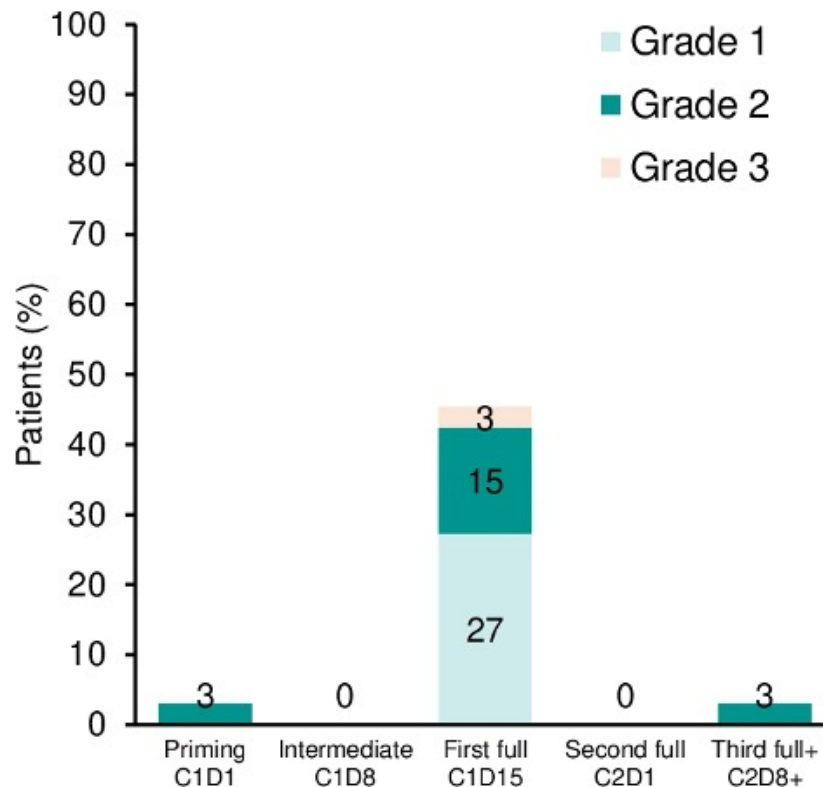
CRS Graded by Lee et al⁹ 2019 Criteria

	Total N=33
CRS, n (%)	17 (52)
Grade 1	9 (27)
Grade 2	7 (21)
Grade 3	1 (3)
CRS resolution, n (%)	17 (100)
Median time to resolution, d (range) ^a	2 (1–11)
CRS leading to treatment discontinuation, n (%)	0
Tocilizumab use, n (%)	5 (15)

Data cutoff: March 25, 2022. ^aMedian is Kaplan–Meier estimate based on longest CRS duration in patients with CRS; range is defined by shortest and longest CRS duration.

- CRS was mostly low grade; all cases resolved

CRS Events by Dosing Period



Data cutoff: March 25, 2022. Priming dose: n=33; intermediate dose: n=33; first full dose: n=33; second full dose: n=32; third full dose and later: n=32.

- CRS occurrence was predictable; most cases occurred following the first full dose with a median time to onset of 2 days (range, 1–4)

EPCORE DLBCL-1: Phase III Study Design

EPCORE DLBCL-1, a pivotal phase 3, randomized, open-label, multicenter trial to evaluate the efficacy of epcoritamab compared to investigator's choice of chemotherapy in patients with R/R DLBCL, who have failed or are ineligible for HDT-ASCT

Key Eligibility Criteria

- R/R DLBCL or FL grade 3b
- Failed or ineligible for HDT-ASCT
- Received ≥ 1 prior systemic line
- ECOG PS 0-2
- Measurable disease

N=240

Randomization
1:1

N=240

Epcoritamab[†]
SC C1-C3 QW;
C4-9 Q2W; C10+ Q4W

Until PD or
unacceptable
toxicity

Bendamustine/Rituximab^{*}
IV Q3W
Max. 6 cycles

**Rituximab, Gemcitabine,
and Oxaliplatin^{*}** IV Q2W
Max. 4 cycles

Until completed
therapy, PD, or
unacceptable
toxicity

Primary Endpoint

- Overall survival

Key Secondary Efficacy Endpoints[‡]

- Overall response rate (ORR)
- Complete response (CR)
- Progression-free survival (PFS)
- Duration of response (DOR)
- Time to response (TTR)

Management of DLBCL

Where We Are, Where We're Headed

PROLOGUE

MODULE 1: First-Line Treatment

MODULE 2: Bispecific Antibodies

MODULE 3: CAR T-Cell Therapy

Dr Yang: 73-year-old woman with rapid relapse after R-CHOP then R-ICE/ASCT achieves a CR with CAR T-cell therapy but experiences severe pancytopenia

Dr Mushtaq: 45-year-old man with R-CHOP-refractory DLBCL receives polatuzumab vedotin as bridging therapy → CAR T-cell therapy on protocol

MODULE 4: Sequencing of Novel Agents

MODULE 5: Appendix

Case Presentation: 73-year-old woman with rapid relapse after R-CHOP then R-ICE/ASCT achieves a CR with CAR T-cell therapy but experiences severe pancytopenia



Dr John Yang (Fall River, Massachusetts)

Notable CAR T-Cell Therapy-Associated Toxicities

- **Cytokine Release Syndrome**
- **Neurologic Toxicity**
 - CAR T-cell associated encephalopathy syndrome
 - ICANS (immune effector cell associated neurotoxicity syndrome)
- **Prolonged Cytopenias**
- **B-Cell Aplasia**
- **Hypogammaglobulinemia**

Case Presentation: 45-year-old man with R-CHOP-refractory DLBCL receives polatuzumab vedotin as bridging therapy → CAR T-cell therapy on protocol



Dr Rao Mushtaq (Thornton, Colorado)

Key Issues in CAR T-Cell Therapy Selection

- **Turnaround Time for Manufacturing**
- **Bridging for Symptomatic or Progressive Disease**
 - Radiation therapy
 - Polatuzumab vedotin
- **Referral to Center for CAR T-Cell Therapy**
 - Early referral is optimal – after first treatment failure before initiating salvage therapy

Characteristics of Pivotal Trials of Axi-cel and Tisagenlecleucel

Variable	ZUMA-1 (axi-cel)	JULIET (tisagenlecleucel)	ZUMA-7 (axi-cel group)	BELINDA (tisagenlecleucel group)	ZUMA-7 (standard-care group)	BELINDA (standard-care group)
Primary end point	Overall response rate	Overall response rate	Event-free survival	Event-free survival after wk 12	Event-free survival	Event-free survival after wk 12
Histologic type						
DLBCL, NOS — no. (%)	77 (76)	88 (79)	126 (70)	101 (62)	120 (67)	112 (70)
HGBL, DH — no./total no. (%)	NR	19/70 (27)	31/180 (17)	32/162 (20)	25/179 (14)	19/160 (12)
HGBL, NOS — no. (%)	0	0	0	7 (4)	1 (1)	8 (5)
FL grade 3B — no. (%)	0	0	0	5 (3)	0	1 (1)
PMBL — no. (%)	8 (8)	0	0	12 (7)	0	13 (8)
Other or missing — no. (%)	0	2 (2)	23 (13)	5 (3)	33 (18)	7 (4)
Transformed lymphoma — no. (%)	16 (16)	21 (19)	19 (11)	27 (17)	27 (15)	22 (14)
Clinical outcomes						
Response — %	82	52 (efficacy cohort); 34 (ITT cohort)	83	46	50	42
Complete response — %	54	40 (efficacy cohort)	65	28	32	28
Median follow-up — mo	27.1	40.3	25	10	25	10
2-Yr progression-free survival — %	Approx. 40	Approx. 35	46	NR	27	NR
2-Yr progression-free survival among patients with com- plete response — %	72	Approx. 80	NR	NR	NR	NR
2-Yr overall survival — %	51	Approx. 45	61	NR	52	NR

Recent FDA Approvals of CAR (Chimeric Antigen Receptor) T-Cell Therapy as Second-Line Treatment for Large B-Cell Lymphoma

June 24, 2022: “The FDA approved lisocabtagene maraleucel for adult patients with large B-cell lymphoma (LBCL) who have refractory disease to first-line chemoimmunotherapy or relapse within 12 months of first-line chemoimmunotherapy; or refractory disease to first-line chemoimmunotherapy or relapse after first-line chemoimmunotherapy and are not eligible for hematopoietic stem cell transplantation (HSCT) due to comorbidities or age. It is not indicated for the treatment of patients with primary central nervous system lymphoma.” Based on the TRANSFORM study

April 1, 2022: “The FDA approved axicabtagene ciloleucel for adult patients with large B-cell lymphoma (LBCL) that is refractory to first-line chemoimmunotherapy or relapses within 12 months of first-line chemoimmunotherapy. It is not indicated for the treatment of patients with primary central nervous system lymphoma.” Based on the ZUMA-7 study

www.fda.gov/drugs/resources-information-approved-drugs/fda-approves-lisocabtagene-maraleucel-second-line-treatment-large-b-cell-lymphoma

www.fda.gov/drugs/resources-information-approved-drugs/fda-approves-axicabtagene-ciloleucel-second-line-treatment-large-b-cell-lymphoma

ORIGINAL ARTICLE

Axicabtagene Ciloleucel as Second-Line Therapy for Large B-Cell Lymphoma

F.L. Locke, D.B. Miklos, C.A. Jacobson, M.-A. Perales, M.-J. Kersten, O.O. Oluwole, A. Ghobadi, A.P. Rapoport, J. McGuirk, J.M. Pagel, J. Muñoz, U. Farooq, T. van Meerten, P.M. Reagan, A. Sureda, I.W. Flinn, P. Vandenberghe, K.W. Song, M. Dickinson, M.C. Minnema, P.A. Riedell, L.A. Leslie, S. Chaganti, Y. Yang, S. Filosto, J. Shah, M. Schupp, C. To, P. Cheng, L.I. Gordon, and J.R. Westin, for All ZUMA-7 Investigators and Contributing Kite Members*

ORIGINAL ARTICLE

Second-Line Tisagenlecleucel or Standard Care in Aggressive B-Cell Lymphoma

M.R. Bishop, M. Dickinson, D. Purtill, P. Barba, A. Santoro, N. Hamad, K. Kato, A. Sureda, R. Greil, C. Thieblemont, F. Morschhauser, M. Janz, I. Flinn, W. Rabitsch, Y.-L. Kwong, M.J. Kersten, M.C. Minnema, H. Holte, E.H.L. Chan, J. Martinez-Lopez, A.M.S. Müller, R.T. Maziarz, J.P. McGuirk, E. Bachy, S. Le Gouill, M. Dreyling, H. Harigae, D. Bond, C. Andreadis, P. McSweeney, M. Kharfan-Dabaja, S. Newsome, E. Degtyarev, R. Awasthi, C. del Corral, G. Andreola, A. Masood, S.J. Schuster, U. Jäger, P. Borchmann, and J.R. Westin



Lisocabtagene maraleucel versus standard of care with salvage chemotherapy followed by autologous stem cell transplantation as second-line treatment in patients with relapsed or refractory large B-cell lymphoma (TRANSFORM): results from an interim analysis of an open-label, randomised, phase 3 trial

Manali Kamdar, Scott R Solomon, Jon Arnason, Patrick B Johnston, Bertram Glass, Veronika Bachanova, Sami Ibrahim, Stephan Mielke, Pim Mutsaers, Francisco Hernandez-Ilizaliturri, Koji Izutsu, Franck Morschhauser, Matthew Lunning, David G Maloney, Alessandro Crotta, Sandrine Montheard, Alessandro Previtali, Lara Stepan, Ken Ogasawara, Timothy Mack*, Jeremy S Abramson, for the TRANSFORM Investigators†

Randomized Trials Comparing Second-Line CAR T-Cell to Standard Therapy for Patients with Transplant-Eligible DLBCL with Primary Refractory Disease or Relapse within 1 Year of First-Line Therapy

	ZUMA-7	TRANSFORM	BELINDA
CAR T-cell therapy	Axicabtagene ciloleucel	Lisocabtagene maraleucel	Tisagenlecleucel
n	359	184	322
Patients infused in CAR arm	94%	98%	96%
Median EFS	8.3 mo vs 2 mo	10.1 mo vs 2.3 mo	3 mo vs 3 mo
Hazard ratio	0.398 ($p < 0.0001$)	0.349 ($p < 0.0001$)	1.07 ($p = 0.69$)
Median follow-up	25 mo	6 mo	10 mo
CR rate	65% vs 32%	66% vs 39%	28% vs 28%
Grade ≥ 3 CRS/NT	6%/21%	1%/4%	5%/3%
	Locke et al. ASH 2021;Abstract 2.	Kamdar et al. ASH 2021;Abstract 91.	Bishop et al. ASH 2021;Abstract LBA-6.

N Engl J Med 2022;386(7):640-54.

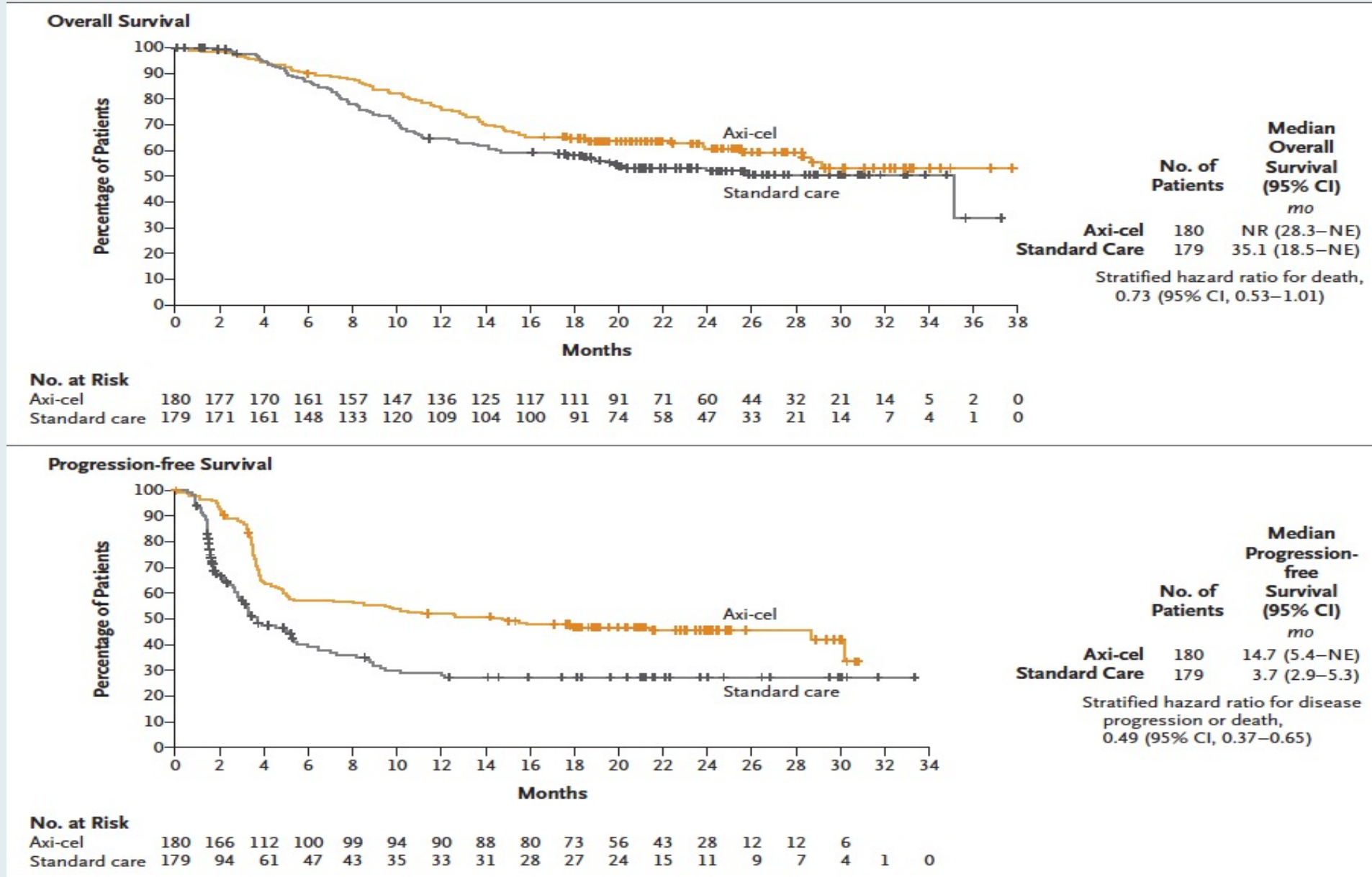
The NEW ENGLAND JOURNAL of MEDICINE

ORIGINAL ARTICLE

Axicabtagene Ciloleucel as Second-Line Therapy for Large B-Cell Lymphoma

F.L. Locke, D.B. Miklos, C.A. Jacobson, M.-A. Perales, M.-J. Kersten, O.O. Oluwole, A. Ghobadi, A.P. Rapoport, J. McGuirk, J.M. Pagel, J. Muñoz, U. Farooq, T. van Meerten, P.M. Reagan, A. Sureda, I.W. Flinn, P. Vandenberghe, K.W. Song, M. Dickinson, M.C. Minnema, P.A. Riedell, L.A. Leslie, S. Chaganti, Y. Yang, S. Filosto, J. Shah, M. Schupp, C. To, P. Cheng, L.I. Gordon, and J.R. Westin, for All ZUMA-7 Investigators and Contributing Kite Members*

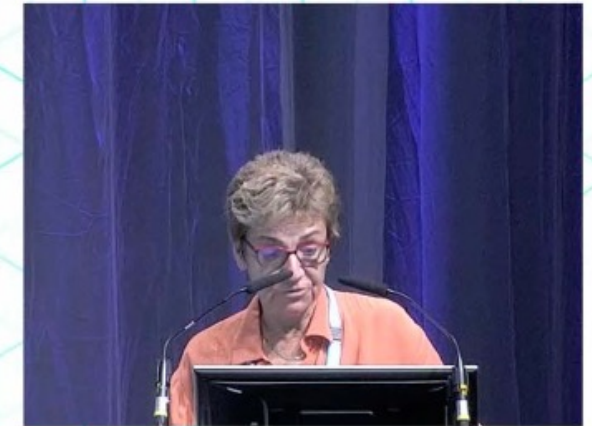
ZUMA-7: Overall and Progression-Free Survival



Clinical and Patient-Reported Outcomes in a Phase 3 Study of Axicabtagene Ciloleucel Versus Standard of Care in Elderly Patients With Relapsed/Refractory Large B-Cell Lymphoma (ZUMA-7)

Anna Sureda, MD, PhD¹; Jason R. Westin, MD, MS, FACP²; Frederick L. Locke, MD³; Michael Dickinson, MBBS, DMedSc⁴; Armin Ghobadi, MD⁵; Mahmoud Elsayy, MD, MSc⁶; Tom van Meerten, MD, PhD⁷; David B. Miklos, MD, PhD⁸; Matthew Ulrickson, MD⁹; Miguel-Angel Perales, MD¹⁰; Umar Farooq, MD¹¹; Luciano Wannesson, MD¹²; Lori Leslie, MD¹³; Marie José Kersten, MD, PhD¹⁴; Caron A. Jacobson, MD, MMSc¹⁵; John M. Pagel, MD, PhD, DSc¹⁶; Gerald Wulf, MD, PhD¹⁷; Patrick Johnston, MD, PhD¹⁸; Aaron P. Rapoport, MD¹⁹; Leo I. Gordon, MD²⁰; Yin Yang, MD, MS²¹; Andrew Peng, MS²¹; Linqiu Du, MS²¹; Julia T. Snider, PhD²¹; Jina Shah, MD, MPH^{21*}; Marco Schupp, MD²¹; Paul Cheng, MD, PhD^{21†}; Christina To, MD²¹; and Olalekan O. Oluwole, MBBS, MPH²²

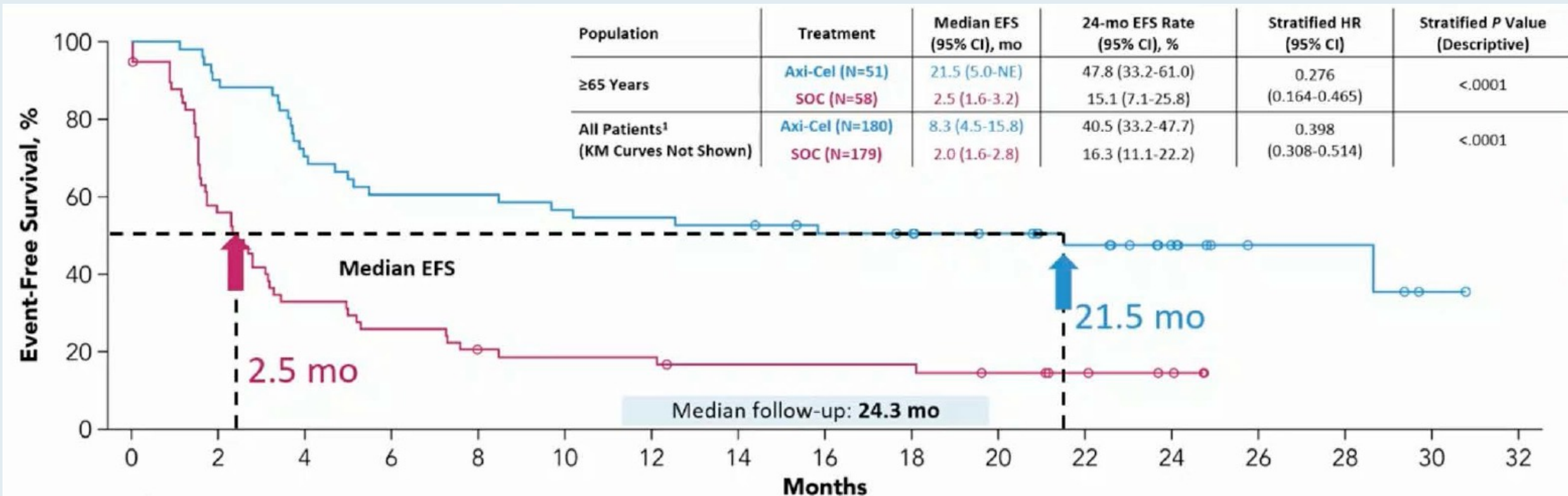
¹Hematology Department, Institut Català d'Oncologia-Hospitalet, IDIBELL, Universitat de Barcelona, Spain; ²The University of Texas MD Anderson Cancer Center, Houston, TX, USA; ³Moffitt Cancer Center, Tampa, FL, USA; ⁴Peter MacCallum Cancer Centre, Royal Melbourne Hospital and the University of Melbourne, Melbourne, Victoria, Australia; ⁵Washington University School of Medicine, St Louis, MO, USA; ⁶Division of Hematology, Department of Medicine, Dalhousie University, Halifax, Nova Scotia, Canada; ⁷University Medical Center Groningen, Groningen, The Netherlands, on behalf of HOVON/LLPC; ⁸Stanford University School of Medicine, Stanford, CA, USA; ⁹Banner MD Anderson Cancer Center, Gilbert, AZ, USA; ¹⁰Memorial Sloan Kettering Cancer Center, New York, NY, USA; ¹¹University of Iowa, Iowa City, IA, USA; ¹²Istituto Oncologico della Svizzera Italiana, Bellinzona, Switzerland; ¹³John Theurer Cancer Center, Hackensack, NJ, USA; ¹⁴Amsterdam UMC, University of Amsterdam, Amsterdam, Netherlands, on behalf of HOVON/LLPC; ¹⁵Dana-Farber Cancer Institute, Boston, MA, USA; ¹⁶Swedish Cancer Institute, Seattle, WA, USA; ¹⁷University Medicine Göttingen, Göttingen, Germany; ¹⁸Mayo Clinic, Rochester, MN, USA; ¹⁹University of Maryland School of Medicine and Marlene and Stewart Greenebaum Comprehensive Cancer Center, Baltimore, MD, USA; ²⁰Northwestern University Feinberg School of Medicine, Chicago, IL, USA; ²¹Kite, a Gilead Company, Santa Monica, CA, USA; ²²Vanderbilt University Cancer Center, Nashville, TN, USA



Anna Sureda

Abstract S211

ZUMA-7: Event-Free Survival per Blinded Central Review in Patients Aged ≥65 Years



ZUMA-7: Select Grade ≥ 3 Adverse Events

Adverse event	Axi-cel (N = 170)	SOC (N = 168)
Pyrexia	9%	1%
Neutropenia	69%	41%
Fatigue	6%	2%
Anemia	30%	39%
Thrombocytopenia	15%	57%
Febrile neutropenia	2%	27%
Cytokine release syndrome	6%	0
Neurologic event	21%	1%
Vomiting	0	1%

SOC = standard of care

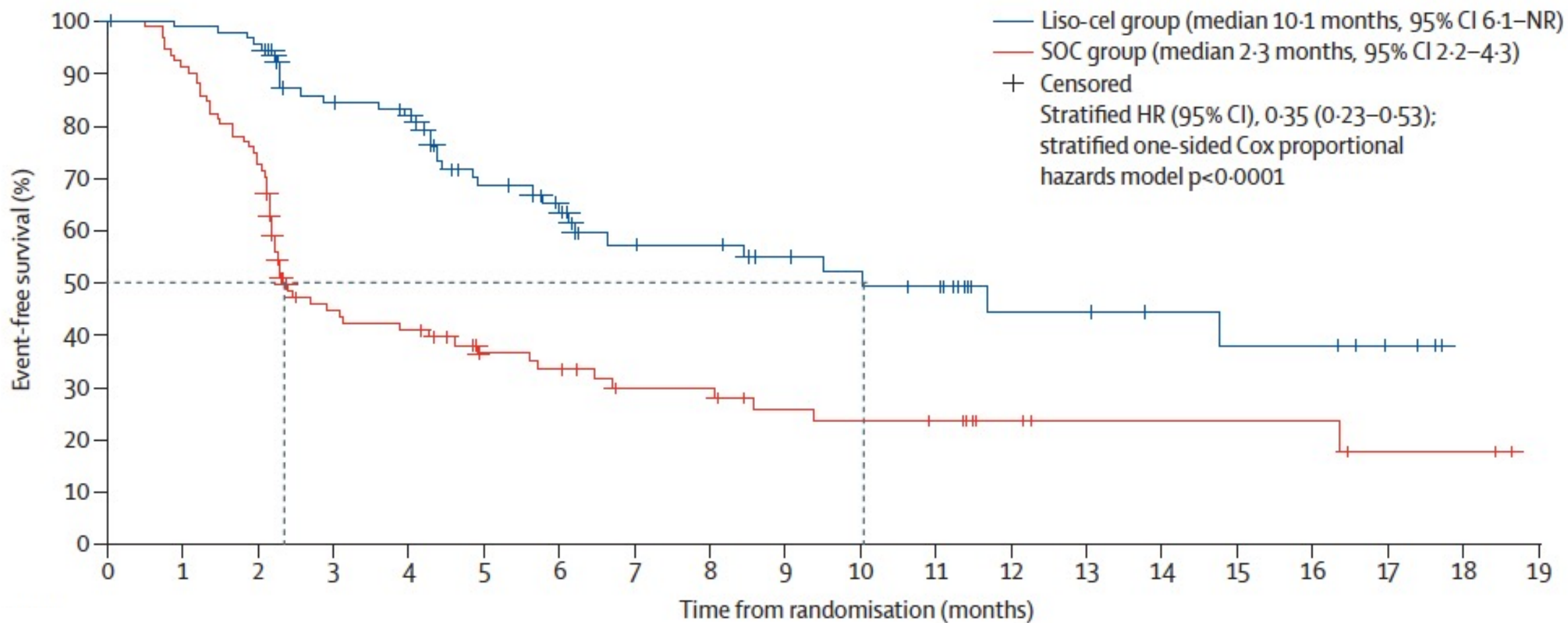


Lisocabtagene maraleucel versus standard of care with salvage chemotherapy followed by autologous stem cell transplantation as second-line treatment in patients with relapsed or refractory large B-cell lymphoma (TRANSFORM): results from an interim analysis of an open-label, randomised, phase 3 trial

Manali Kamdar, Scott R Solomon, Jon Arnason, Patrick B Johnston, Bertram Glass, Veronika Bachanova, Sami Ibrahim, Stephan Mielke, Pim Mutsaers, Francisco Hernandez-Ilizaliturri, Koji Izutsu, Franck Morschhauser, Matthew Lunning, David G Maloney, Alessandro Crotta, Sandrine Montheard, Alessandro Previtali, Lara Stepan, Ken Ogasawara, Timothy Mack, Jeremy S Abramson, for the TRANSFORM Investigators†*

Lancet 2022; 399: 2294–308

TRANSFORM: Event-Free Survival (ITT Population, Primary Endpoint)



N Engl J Med 2022;386(7):629-39.

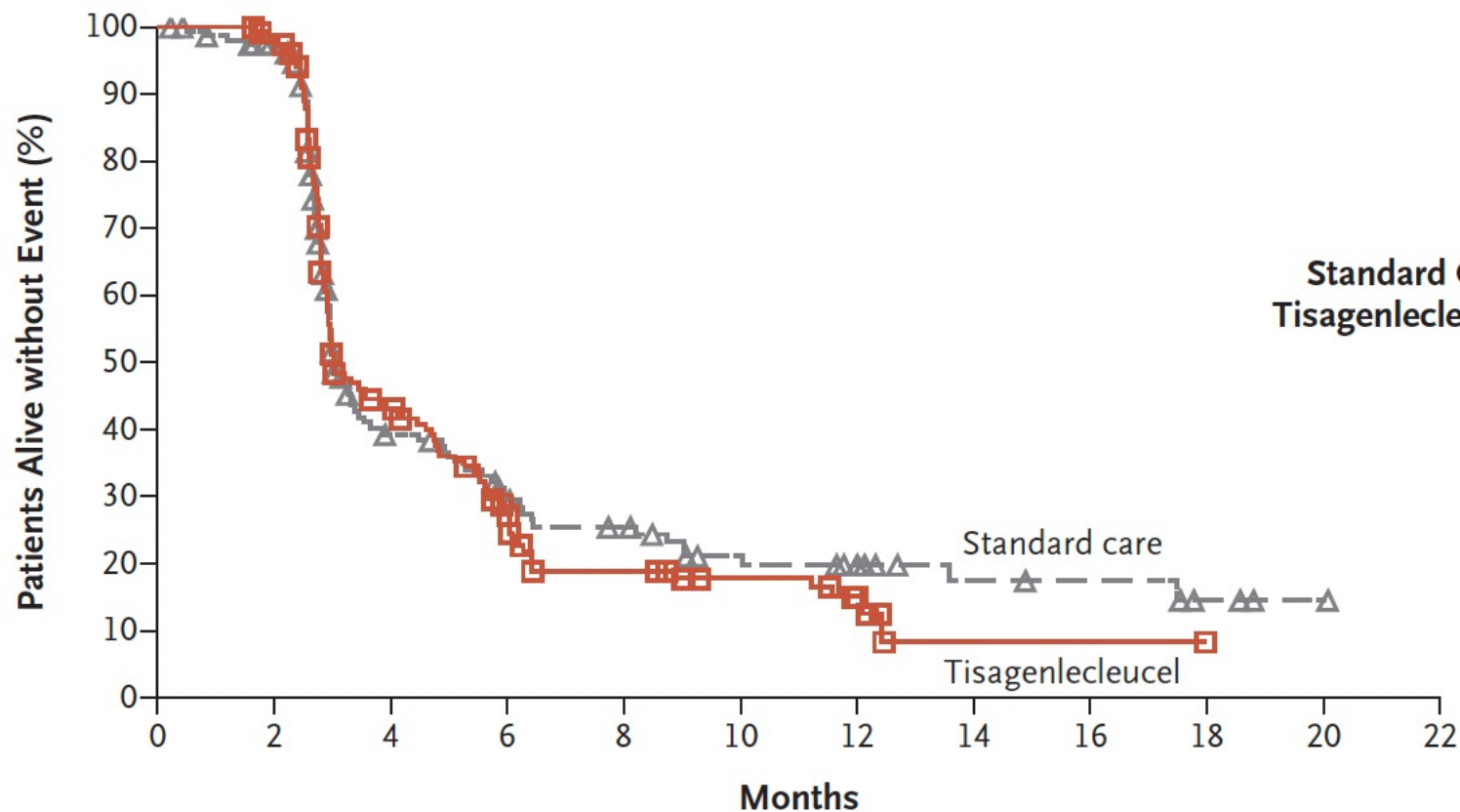
The NEW ENGLAND JOURNAL of MEDICINE

ORIGINAL ARTICLE

Second-Line Tisagenlecleucel or Standard Care in Aggressive B-Cell Lymphoma

M.R. Bishop, M. Dickinson, D. Purtill, P. Barba, A. Santoro, N. Hamad, K. Kato, A. Sureda, R. Greil, C. Thieblemont, F. Morschhauser, M. Janz, I. Flinn, W. Rabitsch, Y.-L. Kwong, M.J. Kersten, M.C. Minnema, H. Holte, E.H.L. Chan, J. Martinez-Lopez, A.M.S. Müller, R.T. Maziarz, J.P. McGuirk, E. Bachy, S. Le Gouill, M. Dreyling, H. Harigae, D. Bond, C. Andreadis, P. McSweeney, M. Kharfan-Dabaja, S. Newsome, E. Degtyarev, R. Awasthi, C. del Corral, G. Andreola, A. Masood, S.J. Schuster, U. Jäger, P. Borchmann, and J.R. Westin

BELINDA: Event-Free Survival (Primary Endpoint)



	No. of Patients	No. of Events	Median Event-free Survival (95% CI) mo
Standard Care	160	104	3.0 (3.0–3.5)
Tisagenlecleucel	162	117	3.0 (2.9–4.2)

Hazard ratio for event or death (tisagenlecleucel vs. standard care), 1.07 (95% CI, 0.82–1.40)
P=0.61

No. at Risk

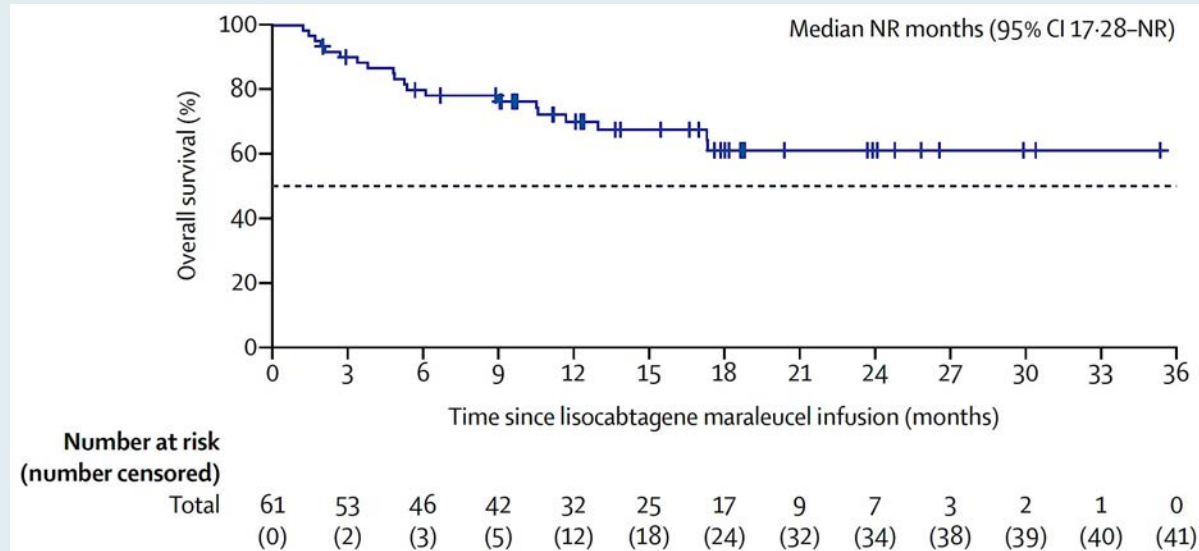
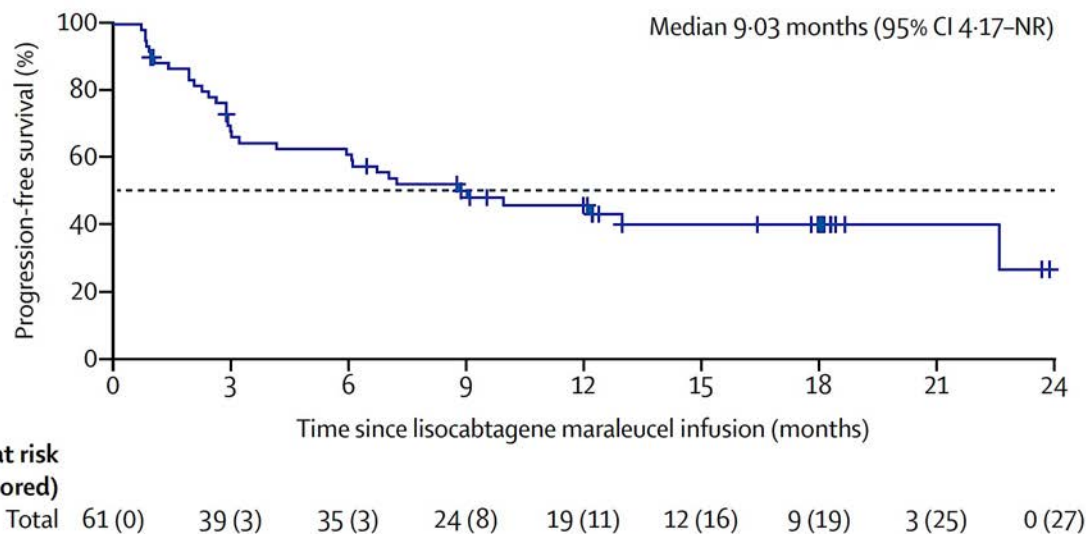
Standard care	160	148	45	31	25	17	12	7	6	3	1	0
Tisagenlecleucel	162	156	57	32	19	13	6	1	1	0	0	0



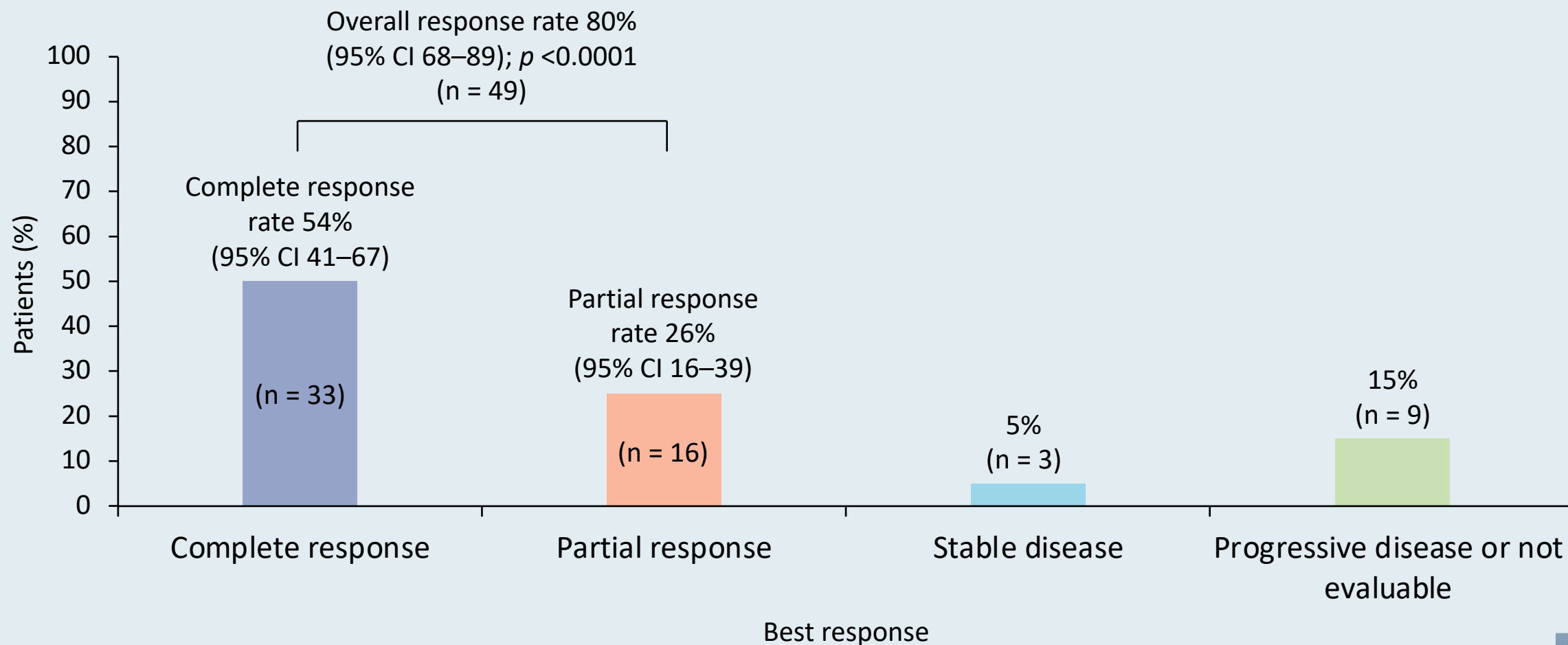
Lisocabtagene maraleucel as second-line therapy in adults with relapsed or refractory large B-cell lymphoma who were not intended for haematopoietic stem cell transplantation (PILOT): an open-label, phase 2 study

Alison Sehgal, Daanish Hoda, Peter A Riedell, Nilanjan Ghosh, Mehdi Hamadani, Gerhard C Hildebrandt, John E Godwin, Patrick M Reagan, Nina Wagner-Johnston, James Essell, Rajneesh Nath, Scott R Solomon, Rebecca Champion, Edward Licitra, Suzanne Fanning, Neel Gupta, Ronald Dubowy, Aleco D'Andrea, Lei Wang, Ken Ogasawara, Jerill Thorpe, Leo I Gordon

PILOT: Progression-Free and Overall Survival



PILOT: Best Response by Independent Review Committee Assessment in the Efficacy Analysis Set



PILOT: Patients Who Received Lisocabtagene Maraleucel (n = 61)

Transplantation not intended criteria	
Cytokine release syndrome	30 (49%)
Any grade	23 (38%)
Grade 1	11 (18%)
Grade 2	11 (18%)
Grade 3	1 (2%)
Grade 4 or 5	0
Time to onset, * days	4 (3-7)
Time to resolution, † days	4 (2-5)
Tocilizumab, corticosteroids, or both for cytokine release syndrome	16 (26%)
Tocilizumab only	6 (10%)
Tocilizumab and corticosteroids	10 (16%)
Corticosteroids only	0

* Time to onset was calculated from the lisocabtagene maraleucel infusion date to the first onset of cytokine release syndrome or a neurological event. Any cytokine release syndrome or a neurological event that started and stopped within 7 days was considered as a single episode.

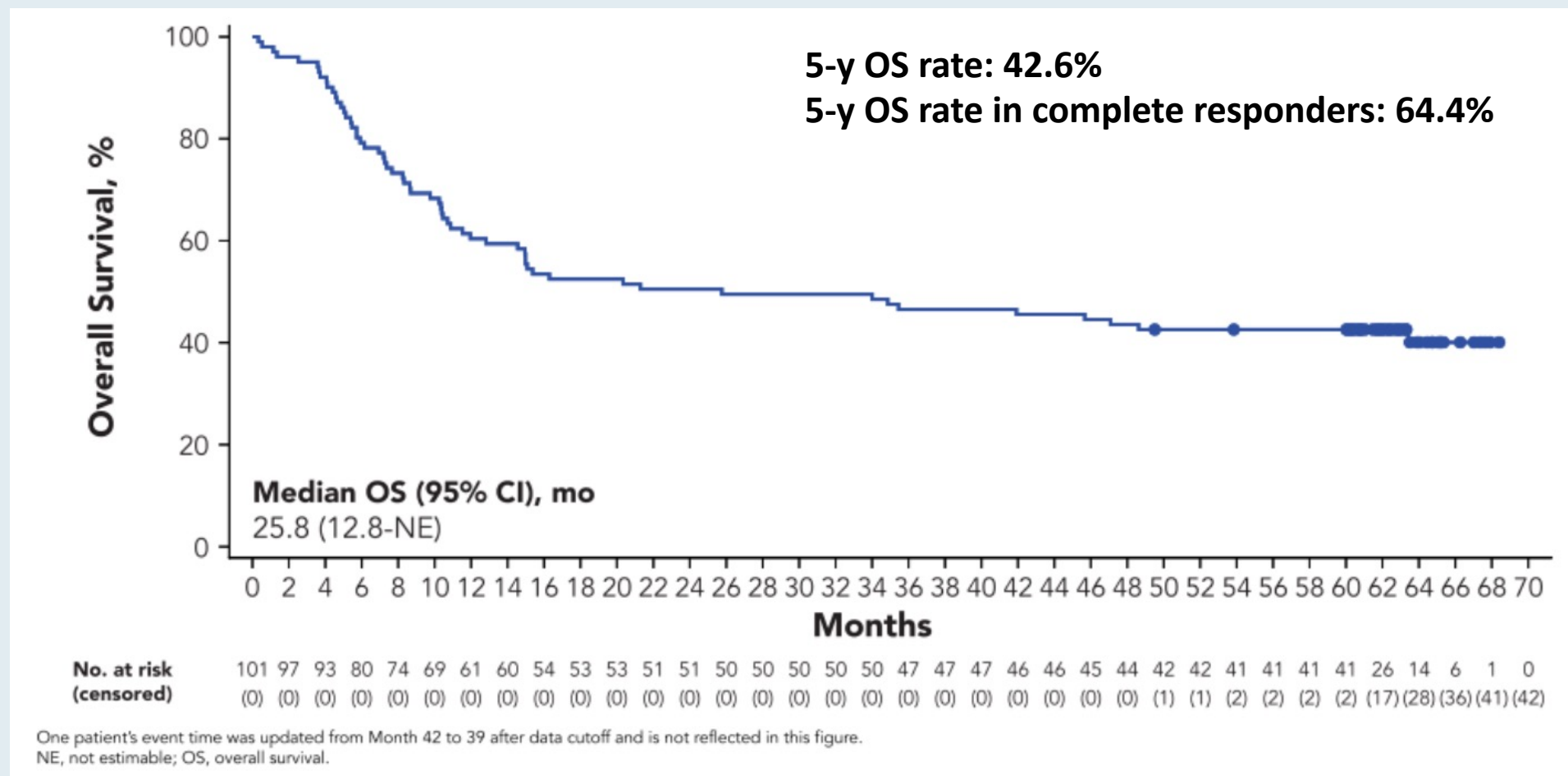
† Time to resolution of cytokine release syndrome or a neurological event was defined as the number of days from onset to when the last event of the first episode ended. Patients with an unresolved event in the first episode were excluded from the summary.

Long-Term (4- and 5-Year) Overall Survival in ZUMA-1, the Pivotal Study of Axicabtagene Ciloleucel (Axi-Cel) in Patients with Refractory Large B-Cell Lymphoma (LBCL)

Jacobson C et al.

ASH 2021;Abstract 1764.

ZUMA-1: Five-Year Update



- Median time to next cancer therapy: 8.7 months
- Safety findings were similar to those in previous reports

Management of DLBCL

Where We Are, Where We're Headed

PROLOGUE

MODULE 1: First-Line Treatment

MODULE 2: Bispecific Antibodies

MODULE 3: CAR T-Cell Therapy

MODULE 4: Sequencing of Novel Agents

Dr Gupta: 68-year-old man with cardiac comorbidities and relapsed DLBCL while on R-CHOP receives second-line polatuzumab vedotin/BR

MODULE 5: Appendix

Case Presentation: 68-year-old man with cardiac comorbidities and relapsed DLBCL while on R-CHOP receives second-line polatuzumab vedotin/BR



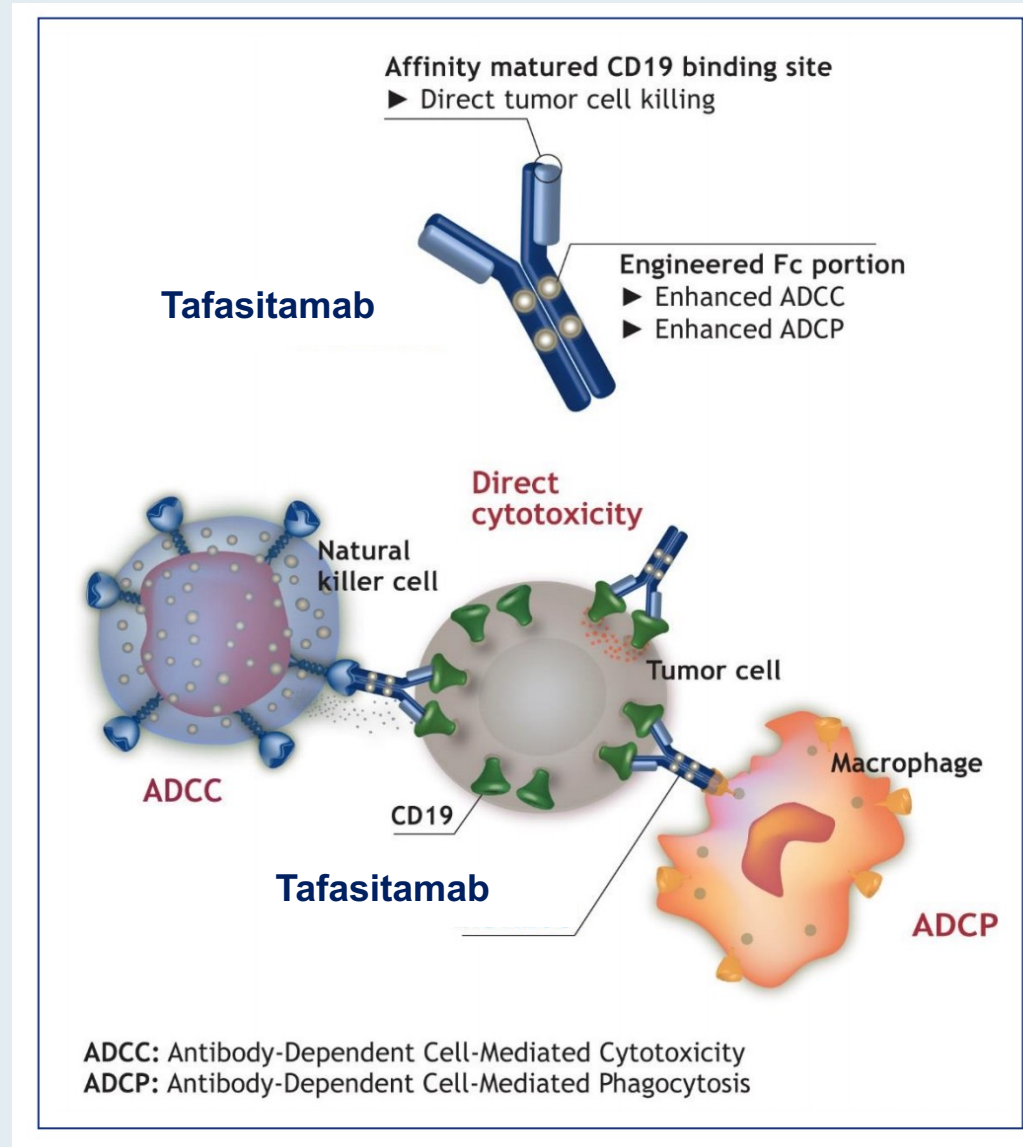
Dr Shaachi Gupta (Lake Worth, Florida)

Novel Agents Recently Approved for Relapsed/Refractory DLBCL

	Pola-BR	Selinexor	Tafasitamab/ lenalidomide	Loncastuximab tesirine
Mechanism of action	Anti-CD79b ADC	XPO-1 inhibitor	Anti-CD19 MAb/immunomodulator	Anti-CD19 ADC
ORR	45%	28%	58%	48%
CR rate	40%	10%	40%	24%
PFS	9.2 mo	2.6 mo	11.6 mo	4.9 mo
DOR	12.6 mo	9.3 mo	43.9 mo	10.3 mo
OS	12.4 mo	NR	33.5 mo	9.9 mo

MAb = monoclonal antibody; ADC = antibody-drug conjugate

Tafasitamab (MOR208)



Lenalidomide enhances
NK function with
enhanced ADCC in vitro

Lancet Oncol 2020;21(7):978-88.



Tafasitamab plus lenalidomide in relapsed or refractory diffuse large B-cell lymphoma (L-MIND): a multicentre, prospective, single-arm, phase 2 study

Gilles Salles, Johannes Duell*, Eva González Barca, Olivier Tournilhac, Wojciech Jurczak, Anna Marina Liberati, Zsolt Nagy, Aleš Obr, Gianluca Gaidano, Marc André, Nagesh Kalakonda, Martin Dreyling, Johannes Weirather, Maren Dirnberger-Hertweck, Sumeet Ambarkhane, Günter Fingerle-Rowson, Kami Maddocks*

As a result of the L-MIND trial, tafasitamab in combination with lenalidomide was FDA approved for patients with relapsed or refractory DLBCL not otherwise specified, including DLBCL arising from low-grade lymphoma, who are not eligible for autologous stem cell transplant.

L-MIND: Best Objective Response According to Independent Radiology Committee or Clinical Review Committee

	Patients treated with tafasitamab plus lenalidomide (n=80)*
Best objective response	
Complete response	34 (43%; 32–54)
Partial response	14 (18%; 10–28)
Stable disease	11 (14%; 7–23)
Progressive disease	13 (16%; 9–26)
Not evaluable†	8 (10%; 4–19)
PET-confirmed complete response	30/34 (88%; 73–97)
Objective response‡	48 (60%; 48–71)
Disease control§	59 (74%; 63–83)

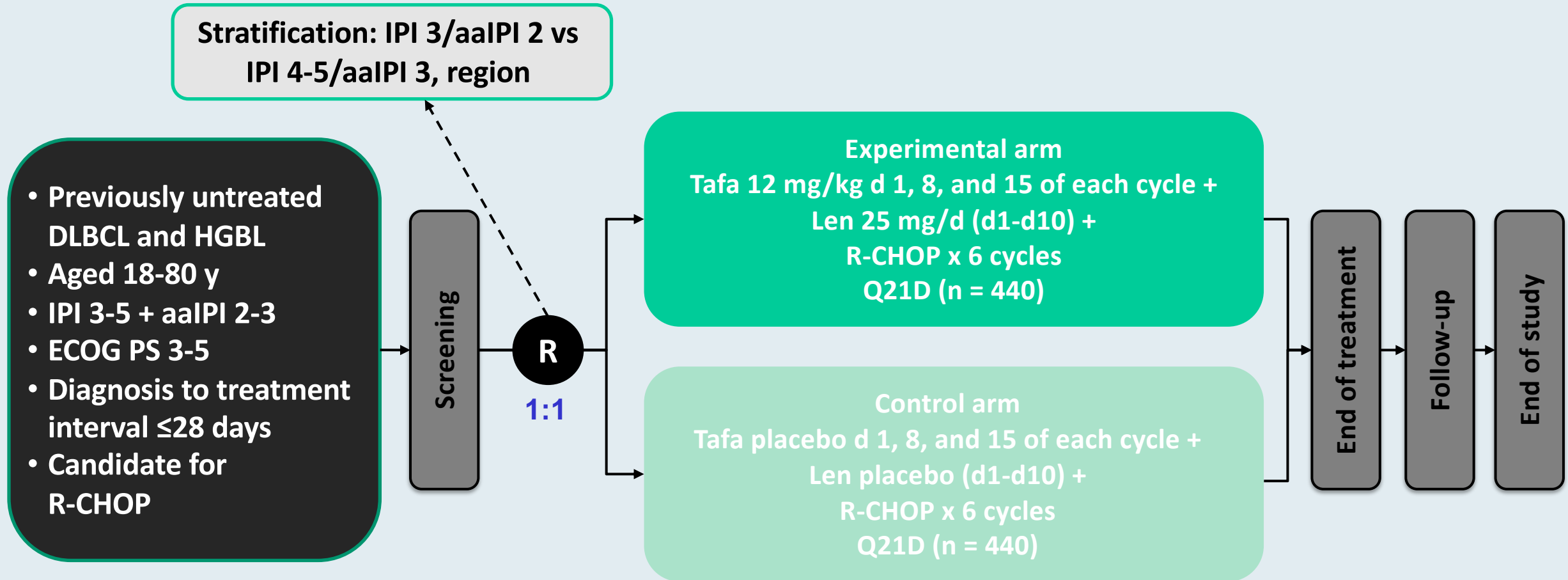
Data are n (%; 95% CI) or n/N (%). *One patient received tafasitamab only.
†Patients had no valid postbaseline response assessments. ‡Complete response plus partial response. §Complete response plus partial response plus stable disease.

L-MIND: Select Adverse Events and Incidence of Infusion-Related Reactions

	Grade 1-2	Grade 3-4
Neutropenia	1 (1%)	39 (49%)
Anemia	22 (27%)	6 (7%)
Thrombocytopenia	11 (14%)	14 (18%)
Febrile neutropenia	0	10 (13%)
Pneumonia	1 (1%)	5 (6%)
Pulmonary embolism	0	4 (5%)

- Treatment-emergent adverse events that led to discontinuation of tafasitamab included pneumonia, bronchitis, deep vein thrombosis and allergic dermatitis.
- Infusion-related reactions (all Grade 1) were observed in 5 (6%) patients. All occurred once during the first infusion and no discontinuation of infusion was required.

frontMIND: Phase III Trial Design for Newly Diagnosed DLBCL



Lancet Oncol 2021;22(6):790-800.

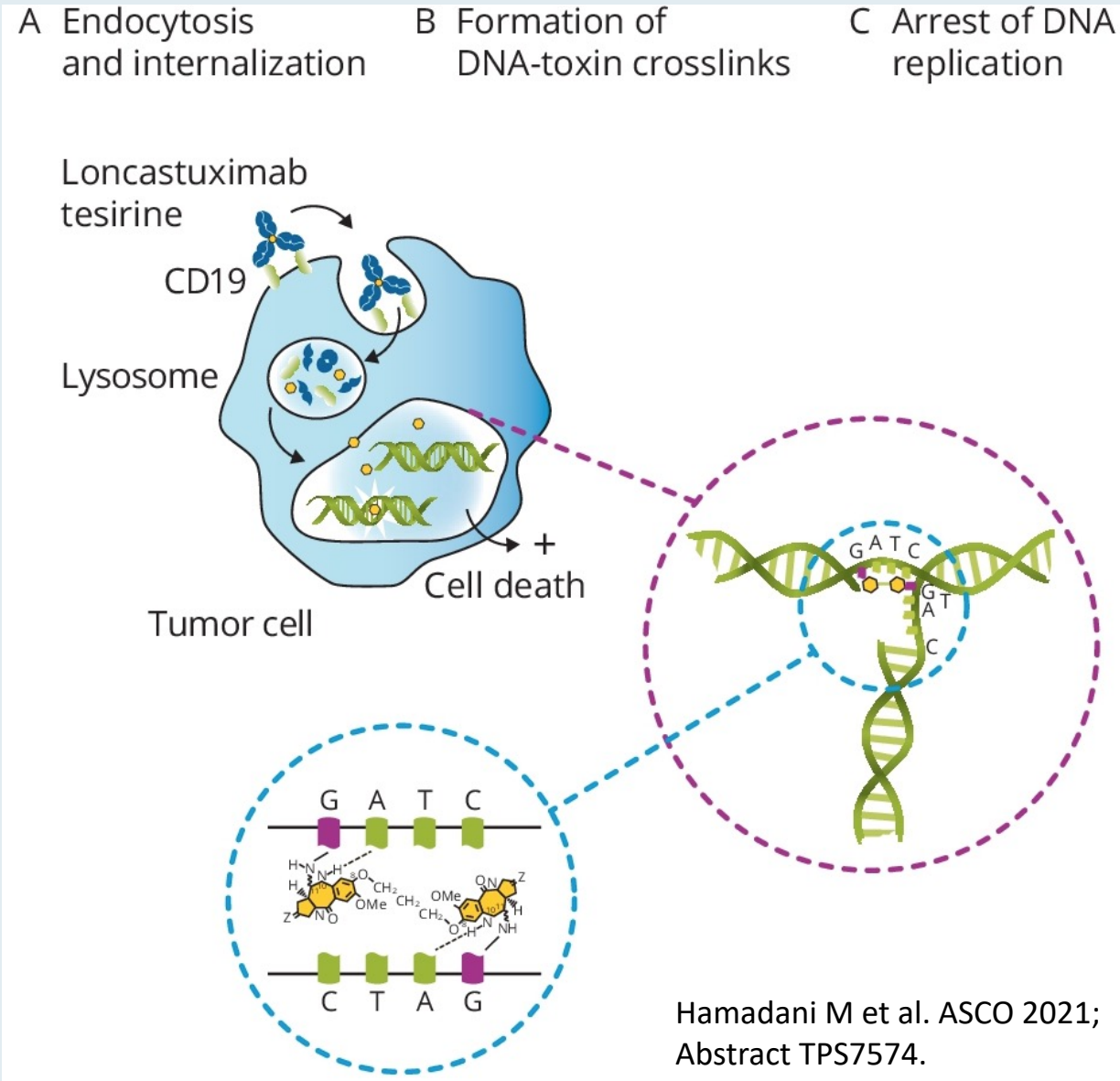


Loncastuximab tesirine in relapsed or refractory diffuse large B-cell lymphoma (LOTIS-2): a multicentre, open-label, single-arm, phase 2 trial

Paolo F Caimi, Weiyun Ai, Juan Pablo Alderuccio, Kirit M Ardeshta, Mehdi Hamadani, Brian Hess, Brad S Kahl, John Radford, Melhem Solh, Anastasios Stathis, Pier Luigi Zinzani, Karin Havenith, Jay Feingold, Shui He, Yajuan Qin, David Ungar, Xiaoyan Zhang, Carmelo Carlo-Stella

As a result of the LOTIS-2 trial, loncastuximab tesirine was FDA approved for patients with relapsed or refractory large B-cell lymphoma after 2 or more lines of systemic therapy, including DLBCL not otherwise specified, DLBCL arising from low-grade lymphoma and high-grade B-cell lymphoma.

Mechanism of Action of Loncastuximab Tesirine



LOTIS-2: Response and Survival with Loncastuximab Tesirine for R/R DLBCL

Response	As-treated population (N = 145)
Overall response rate	70/145 (48.3%)
Complete response rate	35/145 (24.1%)
Complete response	35 (24%)
Partial response	35 (24%)
Stable disease	22 (15%)
Progressive disease	30 (21%)
Not evaluable	23 (16%)
Survival	As-treated population (N = 145)
Median progression-free survival	4.9 months
Median overall survival	9.9 months

LOTIS-2: Select Treatment-Emergent Adverse Events (AEs)

Treatment-emergent AEs	Grade 1-2	Grade 3-4
Peripheral edema*	19%	1%
Anemia	16%	10%
Thrombocytopenia	15%	18%
Neutropenia	14%	26%
Pleural effusion*	8%	2%
Leukopenia	6%	9%

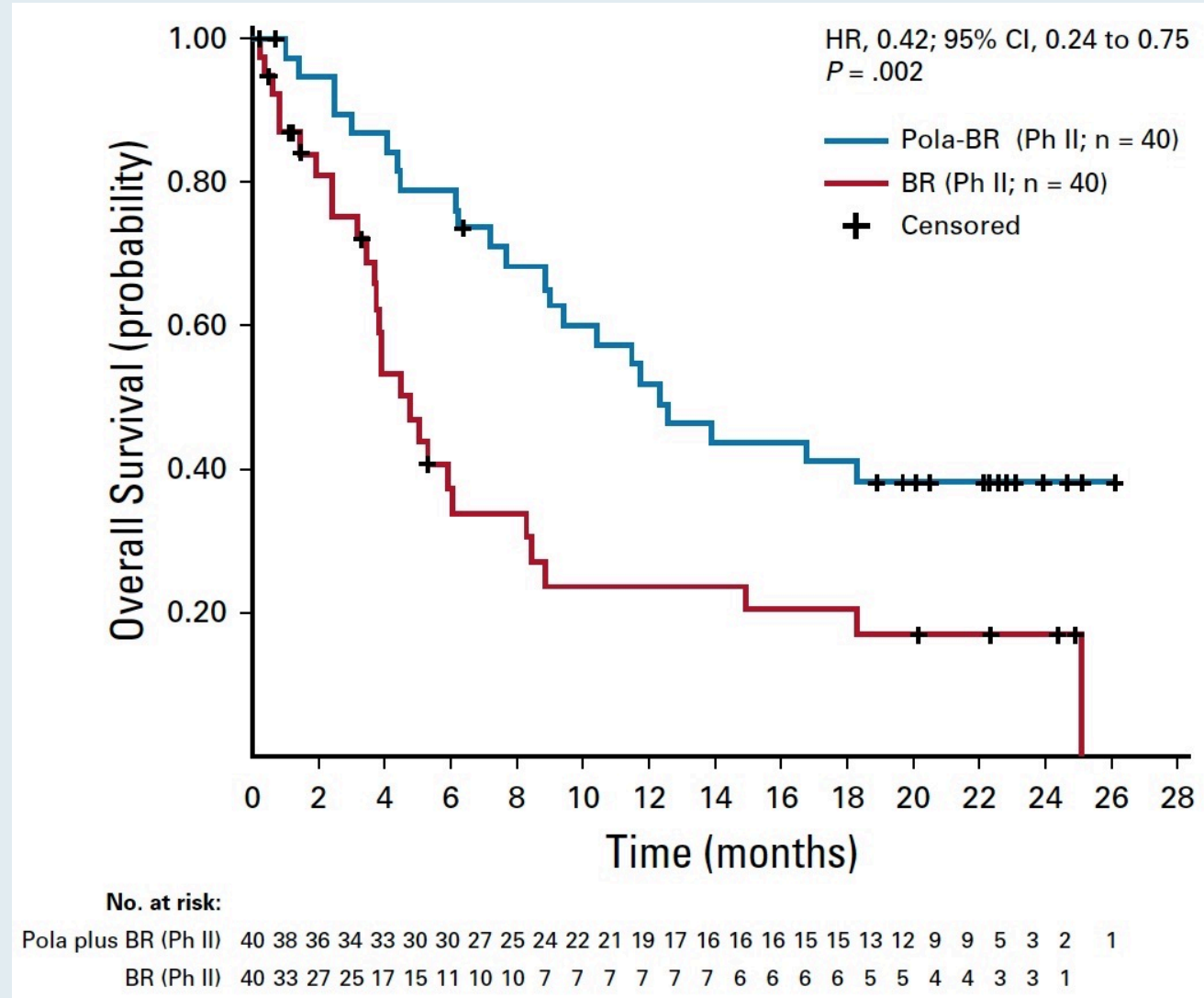
* Treatment-emergent AEs considered likely to be related to the the agent's payload included edema or effusion, symptoms in the skin or nails and liver enzyme abnormalities

Polatuzumab vedotin plus bendamustine and rituximab in relapsed/refractory DLBCL: survival update and new extension cohort data

Laurie H. Sehn,¹ Mark Hertzberg,² Stephen Opat,³ Alex F. Herrera,⁴ Sarit Assouline,⁵ Christopher R. Flowers,⁶ Tae Min Kim,⁷ Andrew McMillan,⁸ Muhit Ozcan,⁹ Violaine Safar,¹⁰ Gilles Salles,¹⁰ Grace Ku,¹¹ Jamie Hirata,¹¹ Yi Meng Chang,¹² Lisa Musick,¹¹ and Matthew J. Matasar¹³

Blood Adv 2022;6(2):533-43.

Polatuzumab Vedotin with BR for Transplant-Ineligible R/R DLBCL: Overall Survival



Management of DLBCL

Where We Are, Where We're Headed

PROLOGUE

MODULE 1: First-Line Treatment

MODULE 2: Bispecific Antibodies

MODULE 3: CAR T-Cell Therapy

MODULE 4: Sequencing of Novel Agents

MODULE 5: Appendix

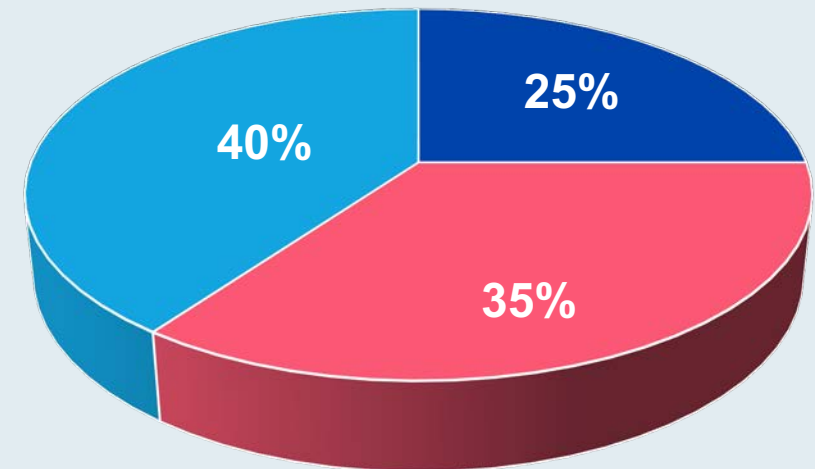
Overview of DLBCL

DLBCL Is the Most Common Non-Hodgkin Lymphoma (NHL) Subtype

United States patients with DLBCL

- Newly diagnosed ~28,000 per year
- Relapsed/refractory ~11,000 per year

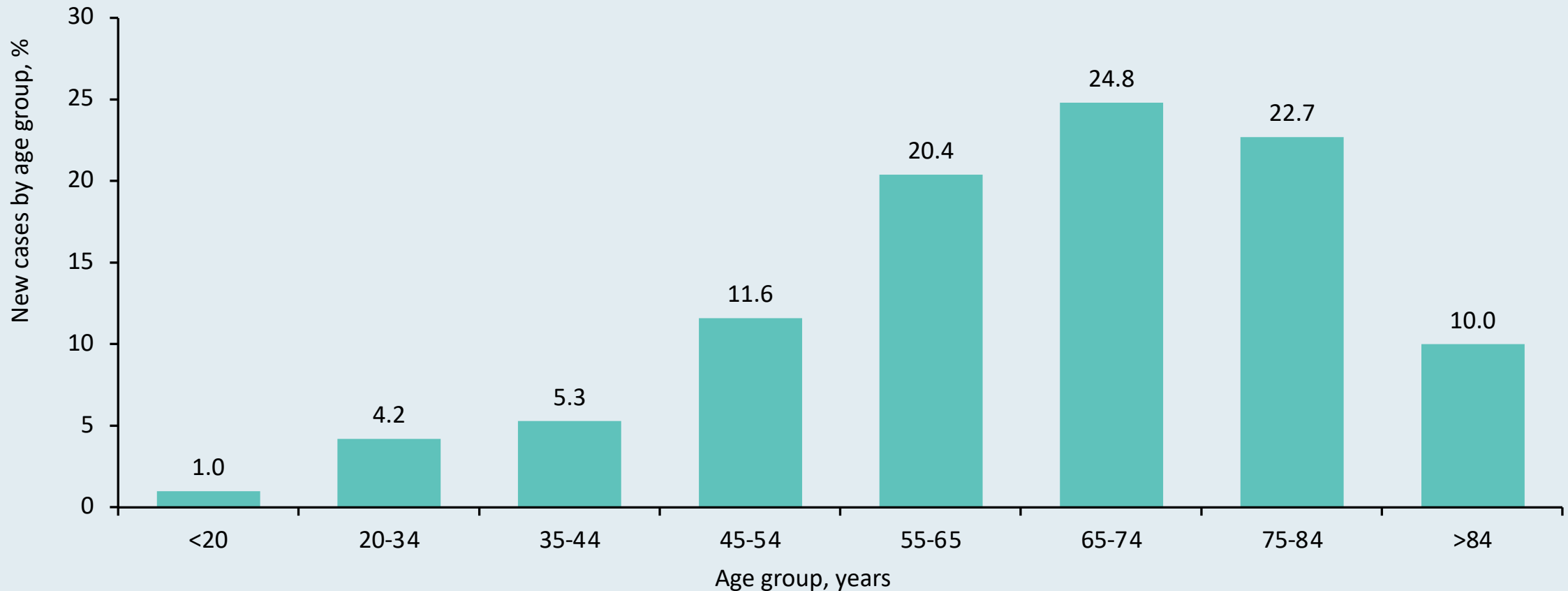
NHL prevalence in the US



- DLBCL
- Follicular lymphoma
- All other subtypes

DLBCL Incidence Increases with Age

- Average patient at diagnosis is 60-65 years of age (median age = 69 years), and most are not fit for high-dose chemotherapy/autologous stem cell transplant¹⁻⁴

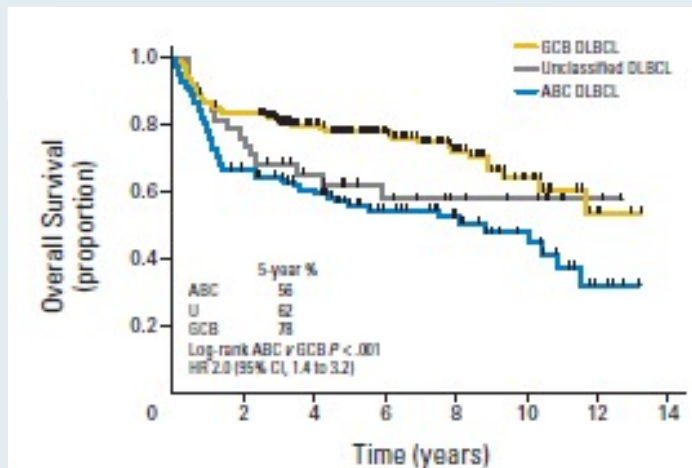


1. <https://seer.cancer.gov/statfacts/html/dlbcl.html>; 2. <https://www.leukaemia.org.au/wp-content/uploads/2011/11/Factsheet-Lymphoma-DLBCL.pdf>; 3. Martelli M et al. *Crit Rev Oncol Hematol* 2013;87(2):146-71; 4. Broccoli A et al. *Oncologist* 2019;24(9):1246-52.

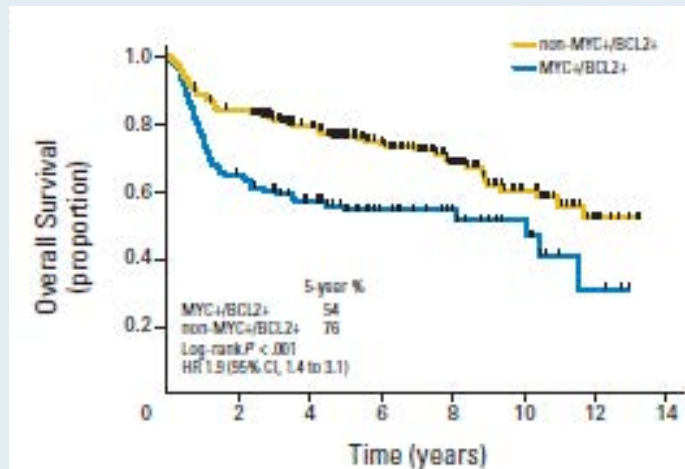
DLBCL: Prognosis

- 5-year overall survival
 - Germinal center: 76%
 - Nongerminal center: 56%
 - “Double expressor”:
 - 54%
 - “Double expressor”:
 - Overexpression of c-MYC and BCL2 or BCL6
 - Double hit:
 - Translocation of c-MYC and BCL2

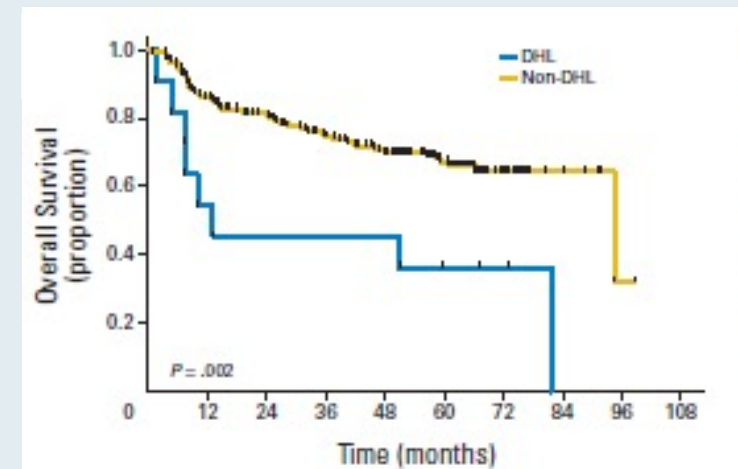
GCB vs non-GCB



Double expressor



Double hit



DEFEATING DIFFUSE, DOUBLE-HIT, AND DOGGED NON-HODGKIN LYMPHOMA



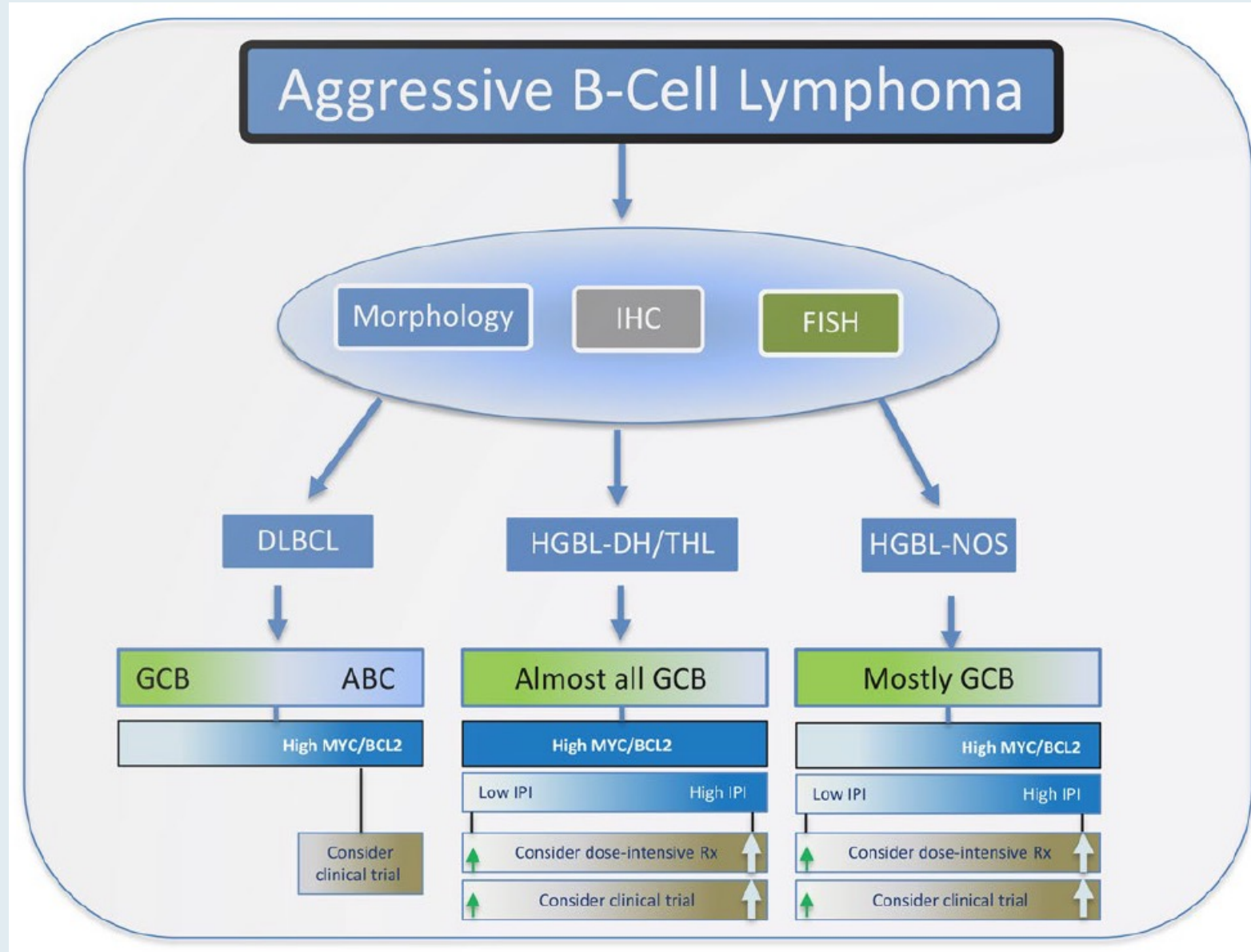
Double-hit lymphoma: optimizing therapy

Kieron Dunleavy

Division of Hematology and Oncology, Georgetown Lombardi Comprehensive Cancer Center, Georgetown University Hospital, Washington, DC

ASH 2021 Education Program.

Outline for Workup and Management of Aggressive B-Cell Lymphomas



R-CHOP Became the Standard Treatment >20 Years Ago

- **Three large randomized trials (n ≈ 2,000) in advanced-stage DLBCL for patients ≥60 years old show improved OS with R-CHOP versus CHOP:**
 - At 3 years: 70% versus 57%
 - At 5 years: 58% versus 45%
 - At 10 years: 44% versus 28%
- **Similar trial in advanced-stage DLBCL for patients <60 years old showed improved OS with R-CHOP versus CHOP (n = 824):**
 - At 3 years: 93% versus 84%
 - At 5 years: 90% versus 80%

Bispecific Antibodies



DEFEATING DIFFUSE, DOUBLE-HIT, AND DOGGED NON-HODGKIN LYMPHOMA

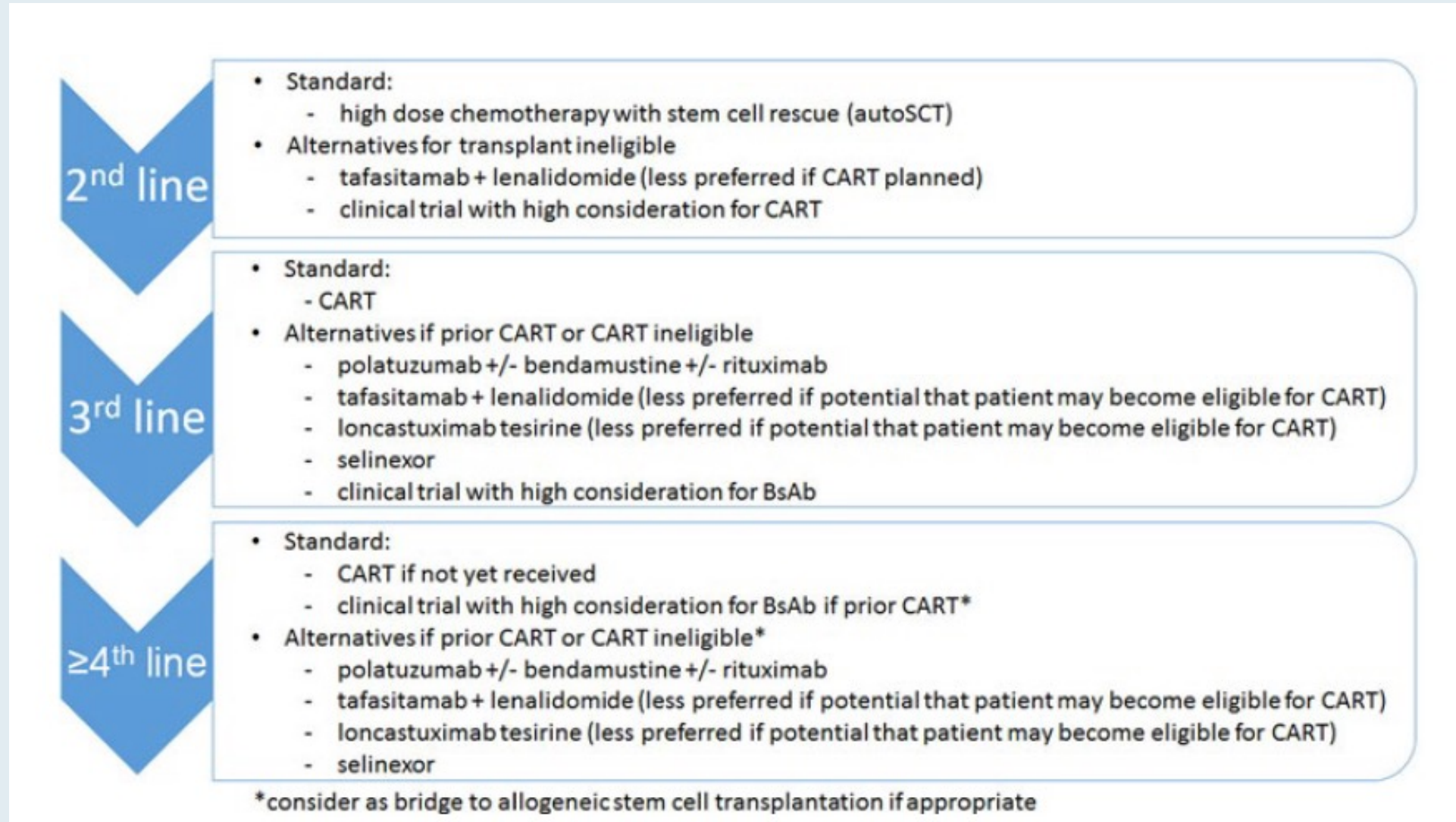
Relapsed disease: off-the-shelf immunotherapies vs customized engineered products

Reem Karmali

Northwestern University Feinberg School of Medicine, Chicago, IL

ASH 2021 Education Program.

Algorithm for Preferred and Alternative Treatment Options for R/R DLBCL



**First-line treatment (Tx)
with subcutaneous (SC)
epcoritamab (epco) +
R-CHOP in patients (pts)
with high-risk diffuse large
B-cell lymphoma (DLBCL):
phase 1/2 data update**

Lorenzo Falchi, MD,^{1*} Fritz Offner, MD, PhD,² David Belada, MD, PhD,³
Joshua Brody, MD,⁴ Kim M. Linton, MBChB, PhD,⁵ Yasmin Karimi, MD,⁶
Raul Cordoba, MD, PhD,⁷ Sylvia Snauwaert, MD, PhD,⁸ Aqeel Abbas, MS,⁹
Liwei Wang, PhD,⁹ Jun Wu, MD, MS,¹⁰ Brian Elliott, MD,⁹
Michael Roost Clausen, MD, PhD¹¹

EPCORE NHL-2 Arm 1 Study Design

Arm 1 of EPCORE NHL-2, a phase 1b/2, open-label, multicenter trial, is evaluating the safety and antitumor activity of SC epcoritamab + standard R-CHOP for 6 cycles of 21 days, followed by epcoritamab monotherapy for a total of 1 year, in adults with previously untreated DLBCL with high-risk features^a

Key inclusion criteria

- Newly diagnosed CD20⁺ DLBCL^b
 - DLBCL, NOS
 - T-cell/histiocyte-rich DLBCL
 - “Double-” or “triple-hit” DLBCL^c
 - FL grade 3B
- IPI score ≥ 3
- ECOG PS 0–2
- Measurable disease by CT or MRI
- Adequate organ function

Data cutoff: March 25, 2022
Median follow-up: 6.9 mo

Dose escalation, n=10

Step-up dosing

Epcoritamab (SC)
24 mg (n=4) or
48 mg (n=6)
QW C1–4,
Q3W C5–6,
Q4W C7+

+ R-CHOP
C1–6

Primary objectives: DLT/Safety and tolerability
Key secondary objective: Antitumor activity^d



Expansion, n=23

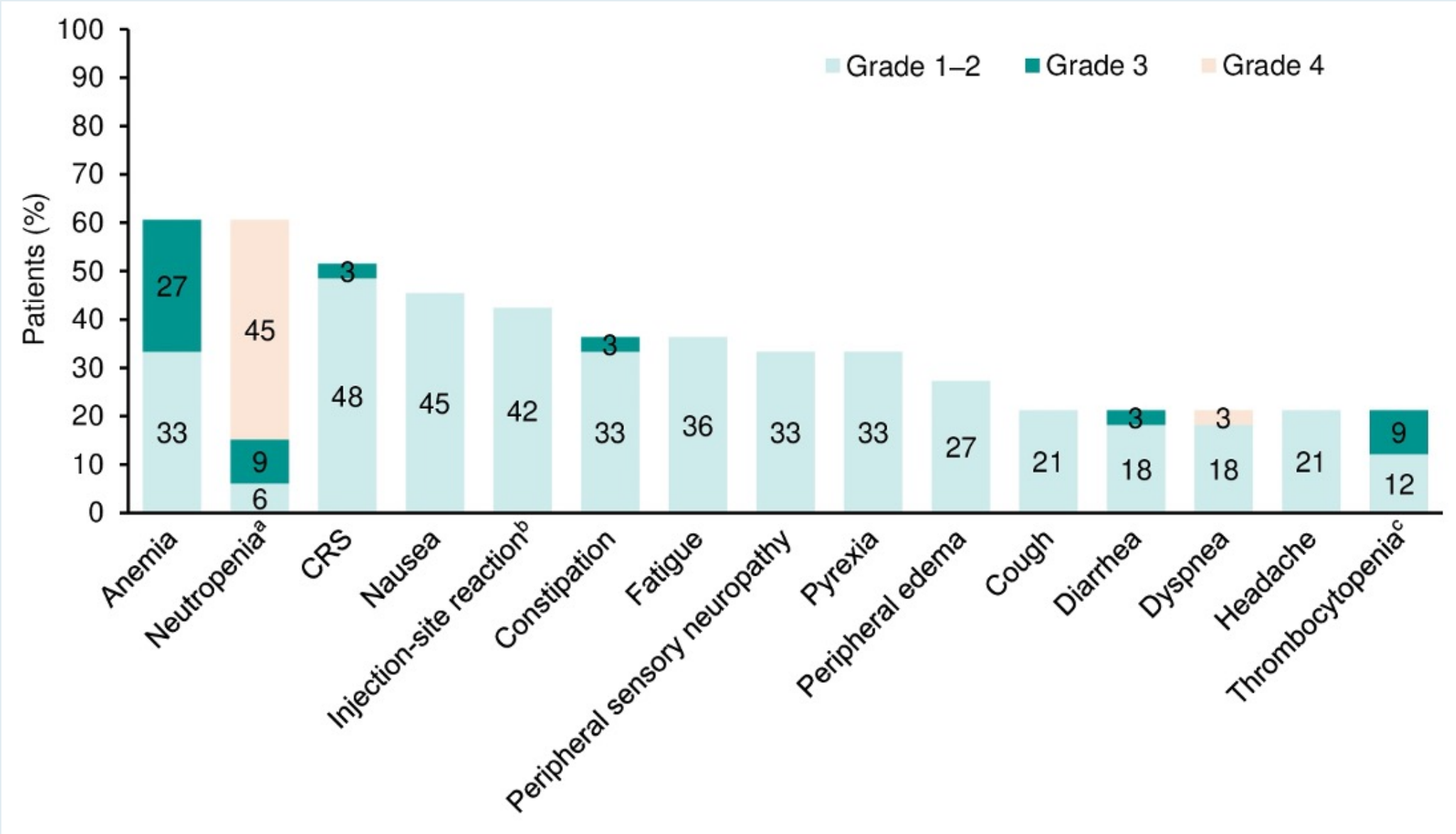
Step-up dosing

Epcoritamab (SC)
48 mg
QW C1–4,
Q3W C5–6,
Q4W C7+

+ R-CHOP
C1–6

Primary objective: Antitumor activity^d
Treatment up to 1 year

EPCORE NHL-2: Treatment-Emergent Adverse Events



Falchi L et al. ASCO 2022;Abstract 7523.

CAR T-Cell Therapy



Lisocabtagene maraleucel versus standard of care with salvage chemotherapy followed by autologous stem cell transplantation as second-line treatment in patients with relapsed or refractory large B-cell lymphoma (TRANSFORM): results from an interim analysis of an open-label, randomised, phase 3 trial

Manali Kamdar, Scott R Solomon, Jon Arnason, Patrick B Johnston, Bertram Glass, Veronika Bachanova, Sami Ibrahim, Stephan Mielke, Pim Mutsaers, Francisco Hernandez-Ilizaliturri, Koji Izutsu, Franck Morschhauser, Matthew Lunning, David G Maloney, Alessandro Crotta, Sandrine Montheard, Alessandro Previtali, Lara Stepan, Ken Ogasawara, Timothy Mack, Jeremy S Abramson, for the TRANSFORM Investigators†*

Lancet 2022; 399: 2294–308

TRANSFORM: Summary of Primary and Key Secondary Endpoints

	Liso-cel group (n=92)	Standard-of-care group (n=92)	Stratified HR (95% CI)*	p value
Event-free survival based on IRC assessment (primary endpoint)				
Number of patients with events (%)	35 (38%)	63 (68%)	..	..
Median (95% CI), monthst	10.1 (6.1–NR)	2.3 (2.2–4.3)	0.35 (0.23–0.53)	<0.0001
6-month rate (95% CI‡)	63.3% (52.0–74.7)	33.4% (23.0–43.8)	..	..
12-month rate (95% CI‡)	44.5% (29.4–59.6)	23.7% (13.4–34.1)	..	..
Complete response rate§ based on IRC assessment (key secondary endpoint)				
n (%; 95% CI)	61 (66%; 56–76)	36 (39%; 29–50)	..	<0.0001
Progression-free survival based on IRC assessment (key secondary endpoint)				
Number of patients with events (%)	28 (30%)	43 (47%)	..	..
Median (95% CI), monthst	14.8 (6.6–NR)	5.7 (3.9–9.4)	0.41 (0.25–0.66)	0.0001
6-month rate (95% CI‡)	69.4% (58.1–80.6)	47.8% (35.0–60.6)	..	..
12-month rate (95% CI‡)	52.3% (36.7–67.9)	33.9% (20.1–47.7)	..	..
Overall survival (key secondary endpoint)				
Number of patients with events (%)	13 (14%)	24 (26%)	..	..
Median (95% CI), months	NR (15.8–NR)	16.4 (11.0–NR)	0.51 (0.26–1.00)	0.026
6-month rate (95% CI‡)	91.8% (85.4–98.2)	89.4% (82.9–96.0)	..	..
12-month rate (95% CI‡)	79.1% (67.1–91.1)	64.2% (50.5–77.9)	..	..
Overall response rate (secondary endpoint)				
n (%; 95% CI)	79 (86%; 77–92)	44 (48%; 37–59)	..	..

TRANSFORM: Select Adverse Events

	Liso-cel group (n=92)		Standard-of-care group (n=91)	
	Grade 1–2	Grade ≥3	Grade 1–2	Grade ≥3
Any treatment-emergent adverse event	90 (98%)	85 (92%)	90 (99%)	79 (87%)
Any serious treatment-emergent adverse event	24 (26%)	31 (34%)	16 (18%)	39 (43%)
Deaths due to treatment-emergent adverse event	NA	1 (1%)*	NA	2 (2%)*
Most common treatment-emergent adverse events (occurring in ≥10% of patients in either group)				
Neutropenia	43 (47%)	74 (80%)	17 (19%)	46 (51%)
Anaemia	36 (39%)	45 (49%)	34 (37%)	45 (49%)
Thrombocytopenia	30 (33%)	45 (49%)	35 (38%)	58 (64%)
Nausea	49 (53%)	3 (3%)	52 (57%)	3 (3%)
Cytokine release syndrome	45 (49%)	1 (1%)	0	0
Prolonged cytopenia†	NA	40 (43%)	NA	3 (3%)
Headache	39 (42%)	4 (4%)	19 (21%)	1 (1%)
Fatigue	36 (39%)	0	34 (37%)	2 (2%)
Constipation	31 (34%)	2 (2%)	22 (24%)	0
Diarrhoea	23 (25%)	0	37 (41%)	3 (3%)

N Engl J Med 2022;386(7):629-39.

The NEW ENGLAND JOURNAL of MEDICINE

ORIGINAL ARTICLE

Second-Line Tisagenlecleucel or Standard Care in Aggressive B-Cell Lymphoma

M.R. Bishop, M. Dickinson, D. Purtill, P. Barba, A. Santoro, N. Hamad, K. Kato, A. Sureda, R. Greil, C. Thieblemont, F. Morschhauser, M. Janz, I. Flinn, W. Rabitsch, Y.-L. Kwong, M.J. Kersten, M.C. Minnema, H. Holte, E.H.L. Chan, J. Martinez-Lopez, A.M.S. Müller, R.T. Maziarz, J.P. McGuirk, E. Bachy, S. Le Gouill, M. Dreyling, H. Harigae, D. Bond, C. Andreadis, P. McSweeney, M. Kharfan-Dabaja, S. Newsome, E. Degtyarev, R. Awasthi, C. del Corral, G. Andreola, A. Masood, S.J. Schuster, U. Jäger, P. Borchmann, and J.R. Westin

BELINDA: Select Grade ≥ 3 Adverse Events

Adverse event	Tisagenlecleucel (N = 162)	SOC (N = 160)
Anemia	33.3%	57.5%
Nausea	1.2%	6.3%
Thrombocytopenia	32.1%	47.5%
Neutropenia	40.1%	39.4%
Cytokine release syndrome	4.9%	0
Hypokalemia	4.9%	8.8%
Diarrhea	1.9%	3.8%
Pyrexia	0	1.9%
Vomiting	0.6%	1.9%

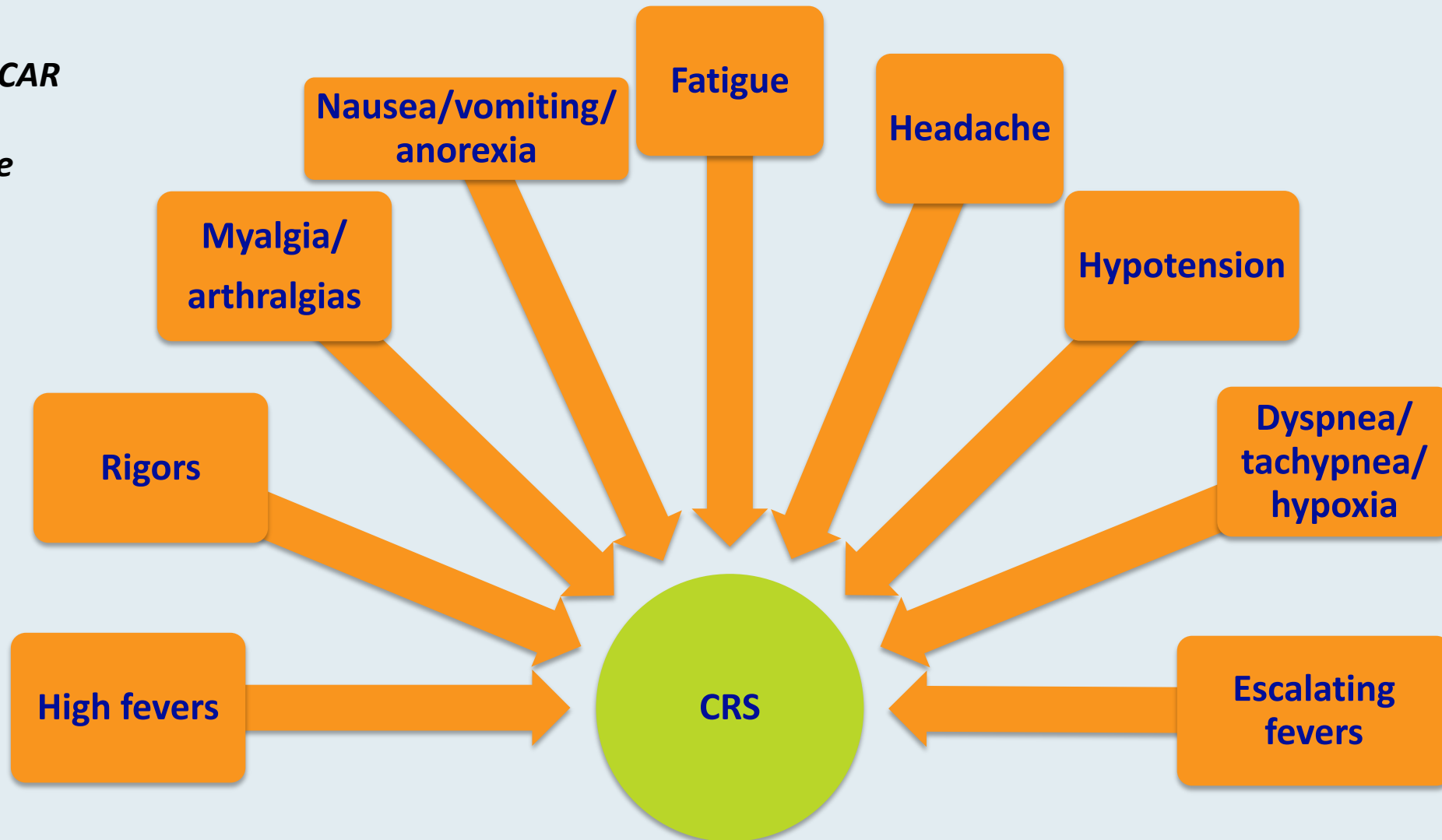
CAR T-Cell Therapy-Associated Cytokine Release Syndrome (CRS)

CRS — May be mild or life-threatening

- Occurs with CART19 activation and expansion
- Dramatic cytokine elevations (IL-6, IL10, IFN γ , CRP, ferritin)
- Fevers initially (can be quite high: 105°F)
- Myalgias, fatigue, nausea/anorexia
- Capillary leak, headache, hypoxia and hypotension
- CRS-related mortality 3% to 10%

Cytokine Release Syndrome (CRS): Common Symptoms

*Based on CAR
T-cell
experience*



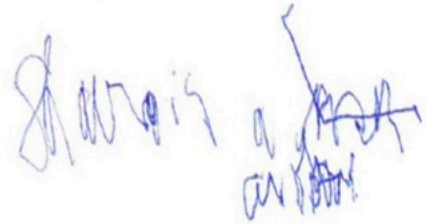
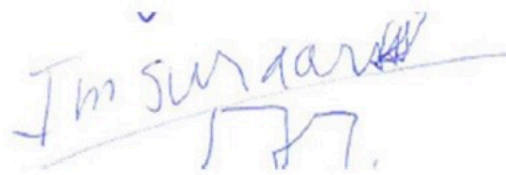
Diagnosis based on clinical symptoms and events

CAR T-Cell Therapy-Associated Neurologic Toxicity

Neurologic toxicity — May be mild or life-threatening

- Mechanism unclear, referred to as immune effector cell-associated neurotoxicity syndrome (ICANS)
- Encephalopathy
- Seizures
- Delirium, confusion, aphasia, agitation, sedation, coma

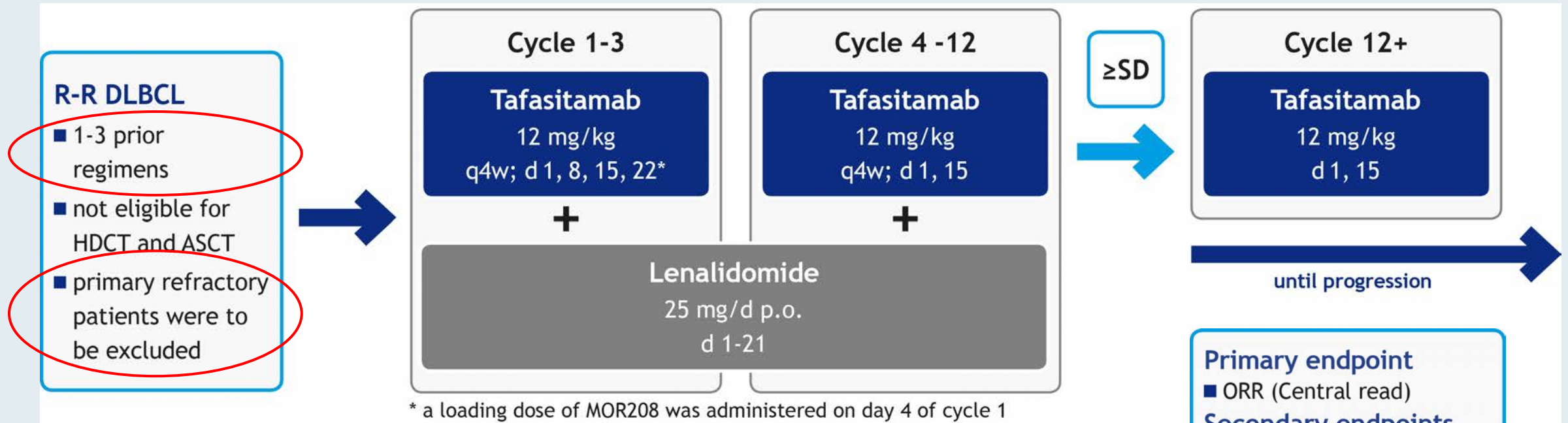
Example of Handwriting Deterioration Associated with Neurotoxicity from CAR T-Cell Therapy

Day 4 9 am	I love Shawnee, KS.	MMSE score 29/30
Day 5 01:30 PM Toci 8 mg/kg		27/30
Day 5 03:30 PM		27/30
Day 6 9 am	I miss my kids.	29/30

MMSE, mini mental status exam; Toci, tocilizumab.
Neelapu SS et al. Nat Rev Clin Oncol 2018; 15:47-62

Sequencing of Novel Agents

L-MIND: Phase II Study Design



Primary endpoint

- ORR (Central read)

Secondary endpoints

- PFS
- DoR
- OS
- Safety of the Tafasitamab + LEN combination
- Exploratory and biomarker-based analyses

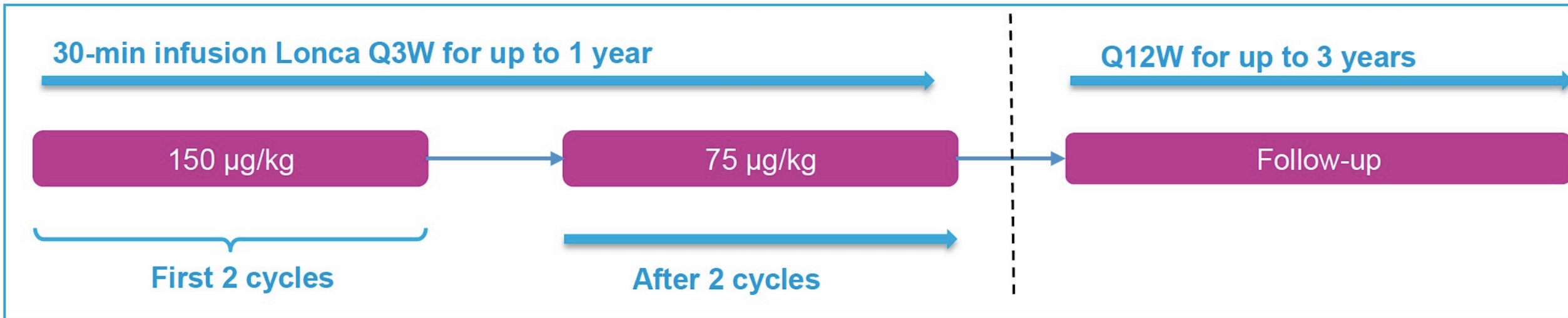
- Sample size suitable to detect $\geq 15\%$ absolute increase in ORR for tafasitamab/LEN combination versus LEN monotherapy at 85% power, 2-sided alpha of 5%
- Mature data: Primary endpoint analysis with data cutoff 30 Nov 2018; minimum follow-up 12 months, median follow-up 17.3 months

ORR = objective response rate; PFS = progression-free survival; DoR = duration of response; OS = overall survival

LOTIS-2: Phase II Trial Design

Patient population:
Patients with R/R DLBCL following ≥ 2 lines of prior systemic therapy

Primary objective:
Evaluate efficacy, **using ORR** (central review), and **safety** of the full Phase 2 study population

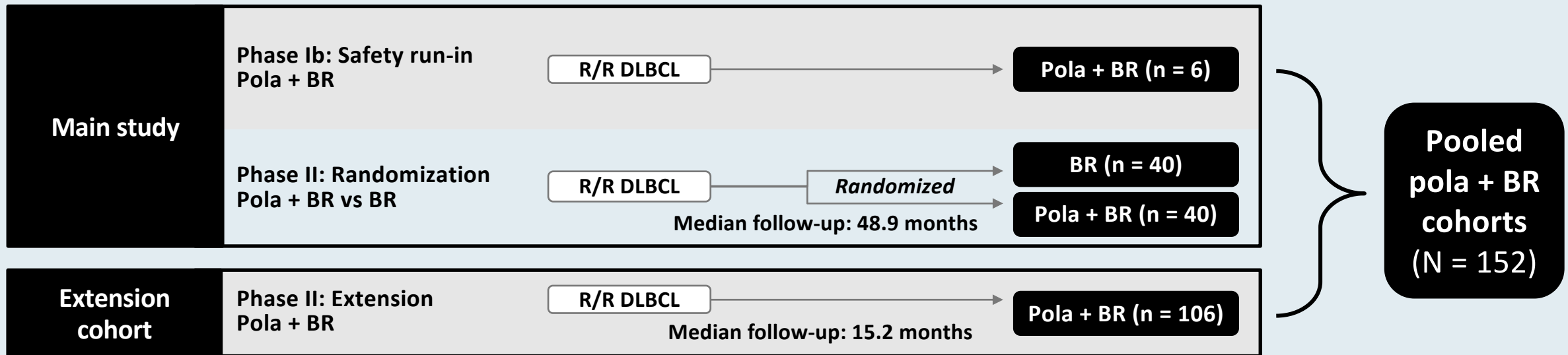


ORR = overall response rate; Lonca = loncastuximab tesirine

GO29365: Phase Ib/II Study Design

Inclusion: transplant-ineligible DLBCL, ≥ 1 line of therapy

Exclusion: prior allo-SCT, history of transformation, current Grade >1 peripheral neuropathy

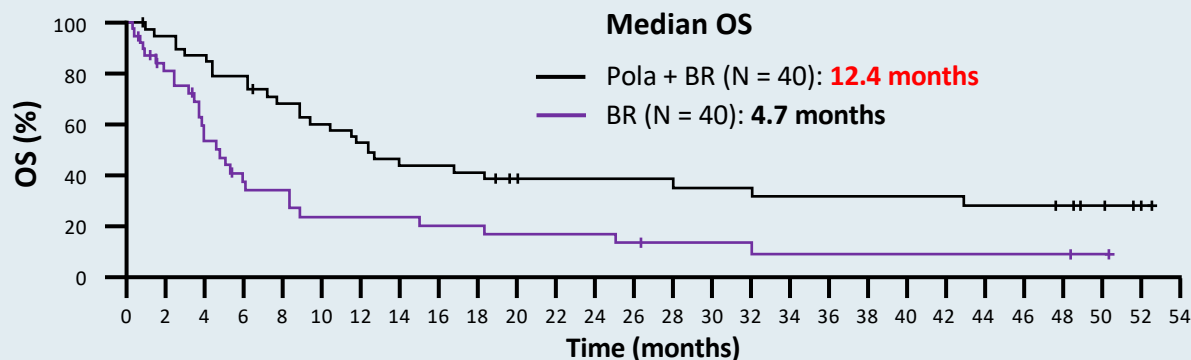
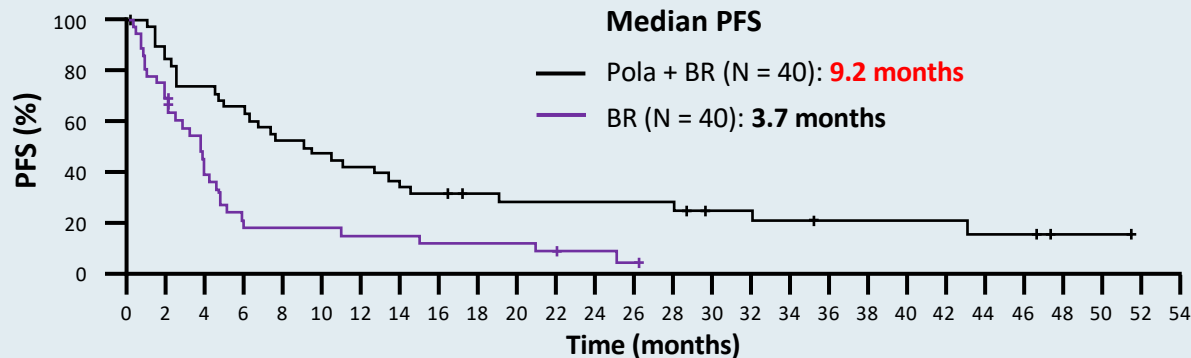


Pola = polatuzumab vedotin; BR = bendamustine/rituximab; R/R = relapsed/refractory

Pola 1.8 mg/kg on day 1 of each cycle of BR; up to 6 cycles at 3-weekly interval

GO29365: PFS and OS in Randomized and Extension Cohorts

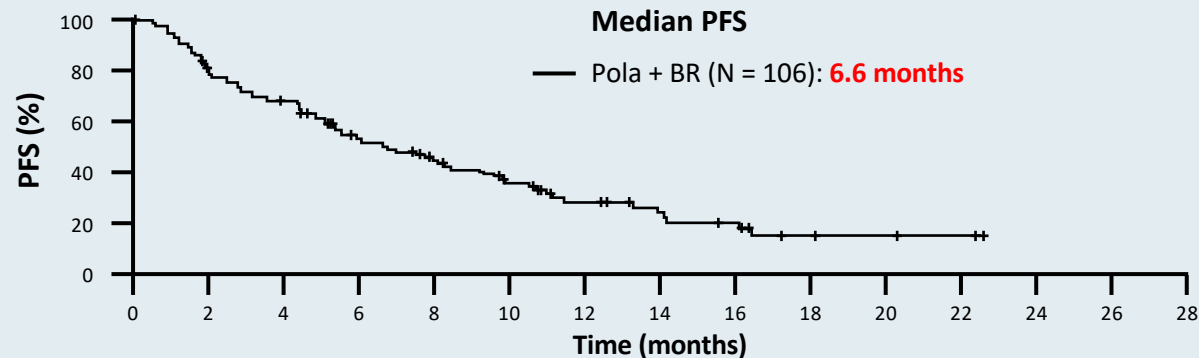
Randomized



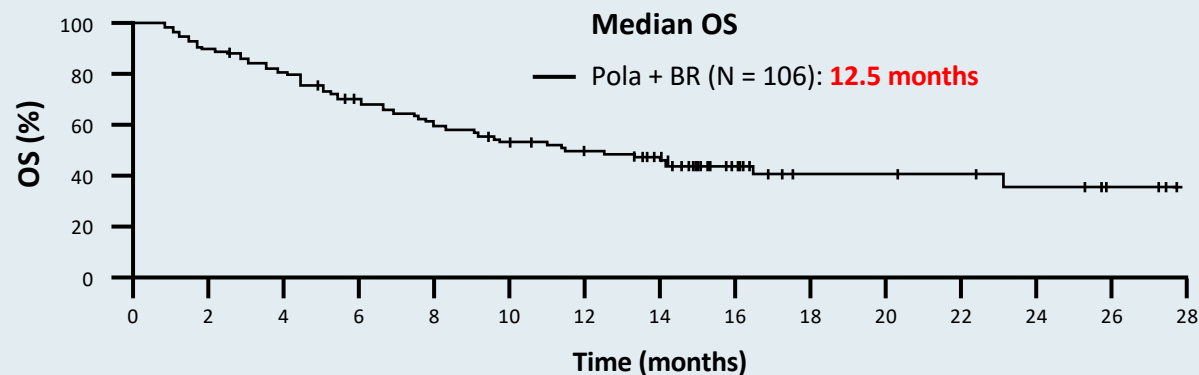
Randomized cohort:

- Survival benefit persists with longer follow-up
- 2-y PFS 28.4%, 2-y OS 38.2%

Extension cohort



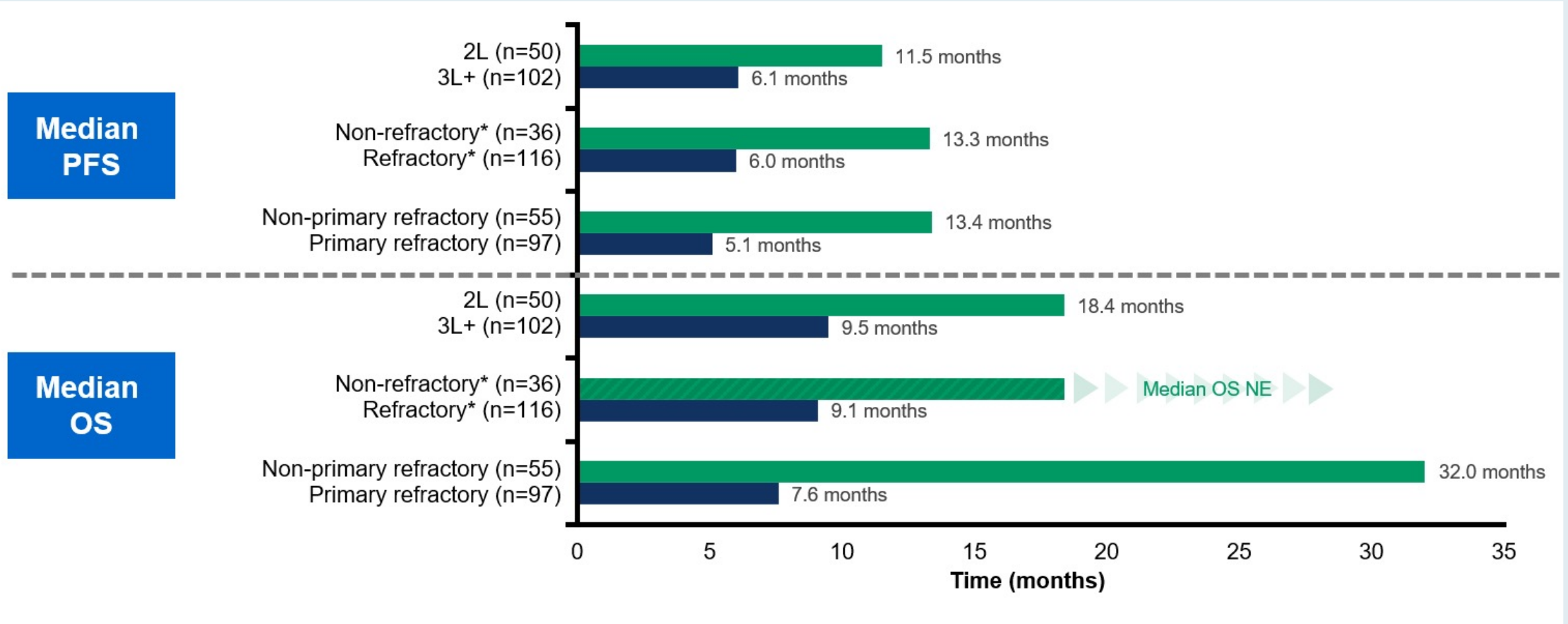
Pola+BR



Pooled cohort

- Non-primary refractory:
Median PFS 13.4 mo, median OS 32 mo

GO29365: Median PFS and OS in the Pooled Pola + BR Cohort According to Line of Therapy and Refractory Status



Oncology Today™ with Dr Neil Love — Management of Endometrial Cancer

A CME/MOC-Accredited Virtual Event

Wednesday, September 14, 2022

5:00 PM – 6:00 PM ET

Faculty

Michael J Birrer, MD, PhD

Moderator

Neil Love, MD

Thank you for joining us!

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