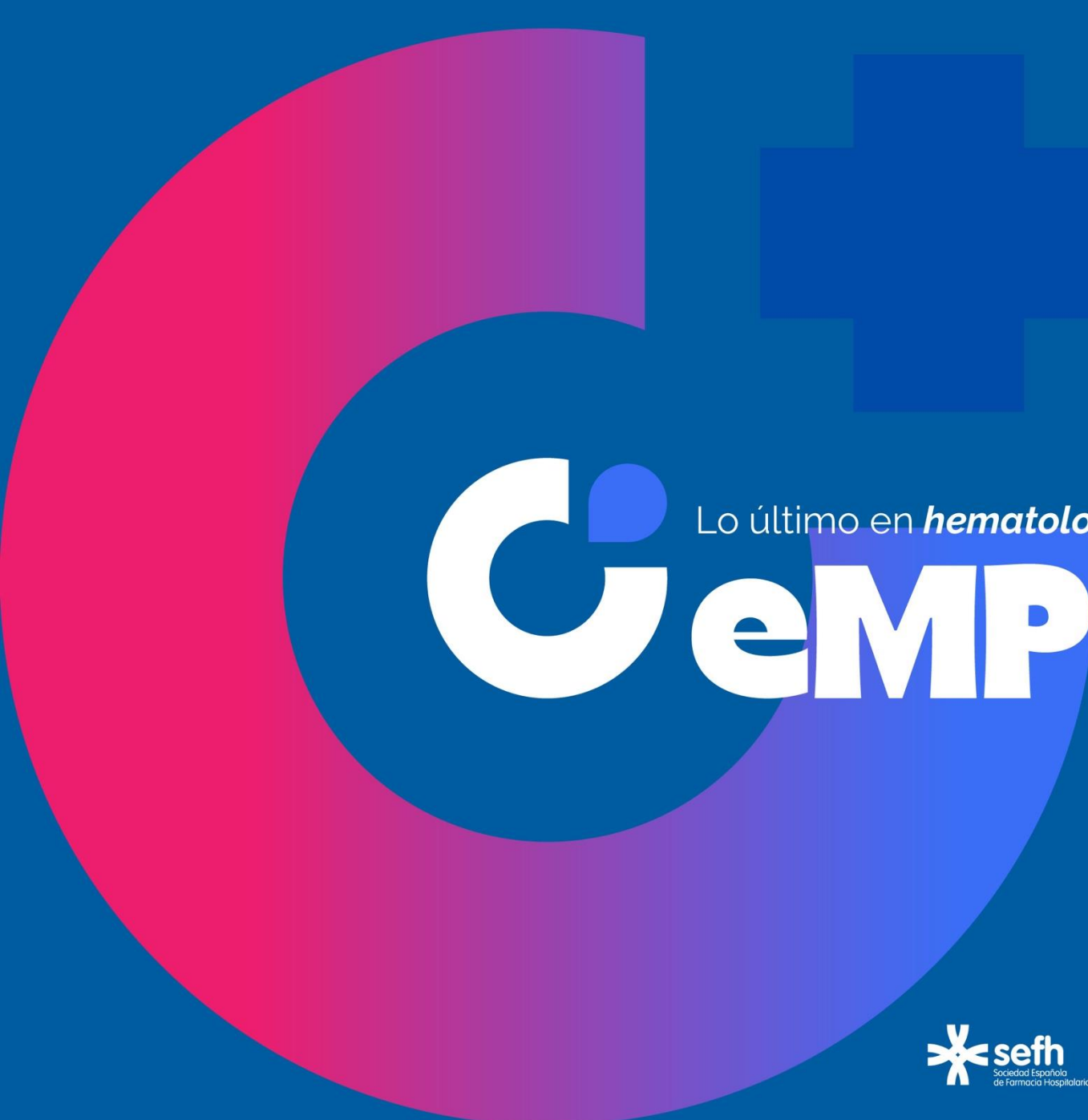




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Optimizing Diffuse Large B-Cell Lymphoma (DLBCL) Treatment: An Expert Roundtable on the Role of New and Emerging Targeted Therapies

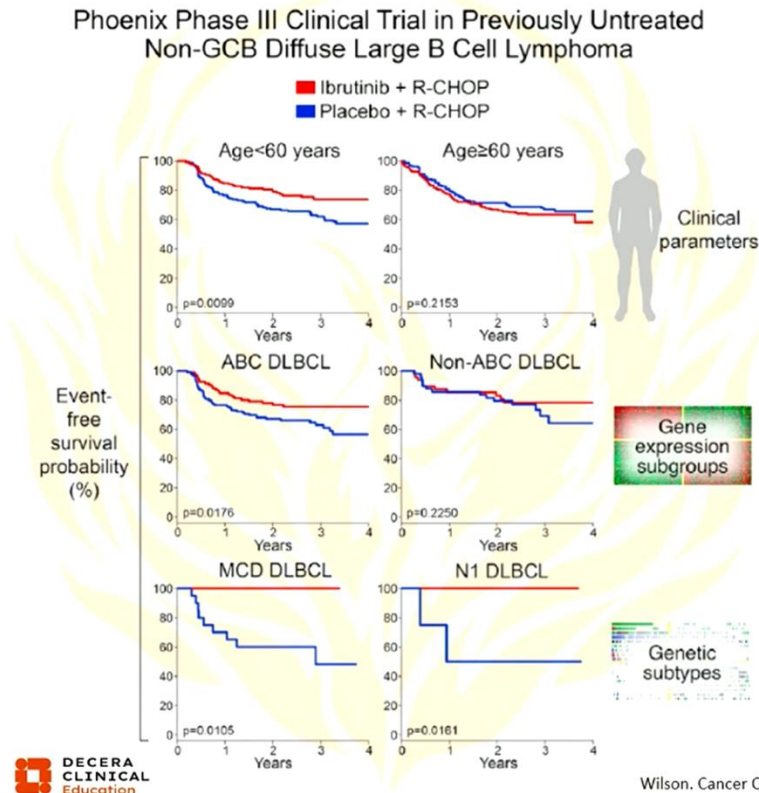


- **Medicina de Precisión e Inhibidores de BTK**
- **Biopsia Líquida y ADN Circulante (ctDNA)**
- **Alternativas terapéuticas en el campo del DLBCL R/R**

Optimizing Diffuse Large B-Cell Lymphoma (DLBCL) Treatment: An Expert Roundtable on the Role of New and Emerging Targeted Therapies

Medicina de Precisión e Inhibidores de BTK

Evidence Supporting R-CHOP + Ibrutinib in DLBCL Subsets



Wilson. Cancer Cell. 2021;39:1643.

Despite negative results from phase III Phoenix trial of R-CHOP ± ibrutinib, additional analyses support BTK inhibition in DLBCL patient subsets

- Ibrutinib (BTKi) + R-CHOP is effective in younger patients with ABC DLBCL
- DLBCL genetic subtypes differ in genotype, oncogenic mechanisms, and phenotype
- Subtypes MCD and N1 acquire mutations that promote chronic active B-cell receptor signaling
- Patients with subtypes MCD and N1 treated with ibrutinib + R-CHOP had 100% survival rates

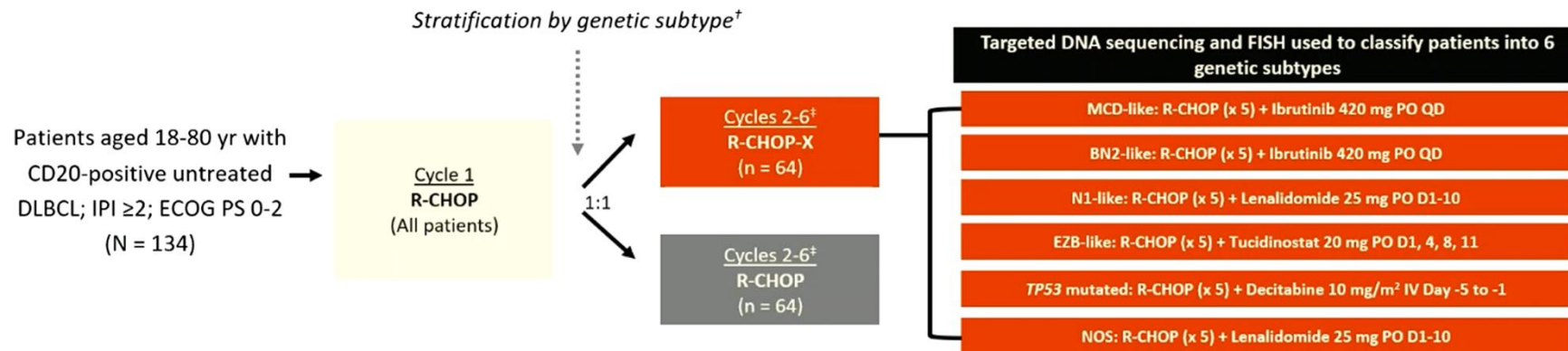
Slide credit: deceraclinical.com/education

Optimizing Diffuse Large B-Cell Lymphoma (DLBCL) Treatment: An Expert Roundtable on the Role of New and Emerging Targeted Therapies

Medicina de Precisión e Inhibidores de BTK

GUIDANCE-01: R-CHOP vs R-CHOP-X* for Previously Untreated Intermediate- or High-risk DLBCL

- Biomarker-guided, randomized phase II study



*X = targeted tx. [†]By K-medoids algorithm (PAM)-simulated genetic subtyping using a targeted sequencing panel of 18 genes (BTG1, CD70, CD79B, CREBBP, DTX1, EP300, EZH2, MPEGE1, MTOR, MYD88, NOTCH1, NOTCH2, PIM1, STAT6, TBL1XR1, TNFAIP3, TNFRSF14, and TP53). [‡]G-CSF prophylaxis was given from cycle 2 of chemotherapy if grade ≥ 3 neutropenia present in cycle 1.

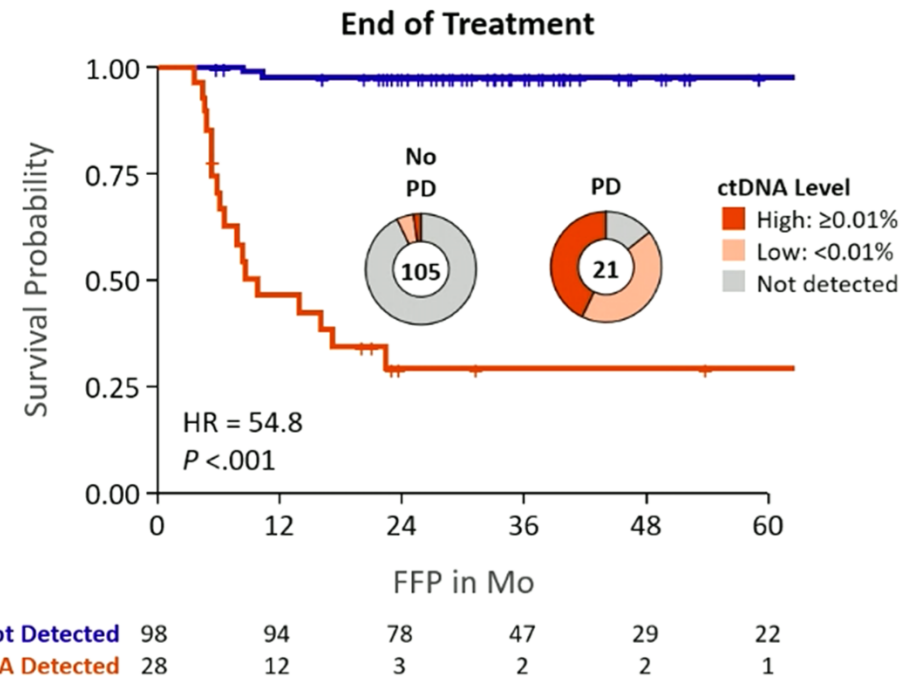
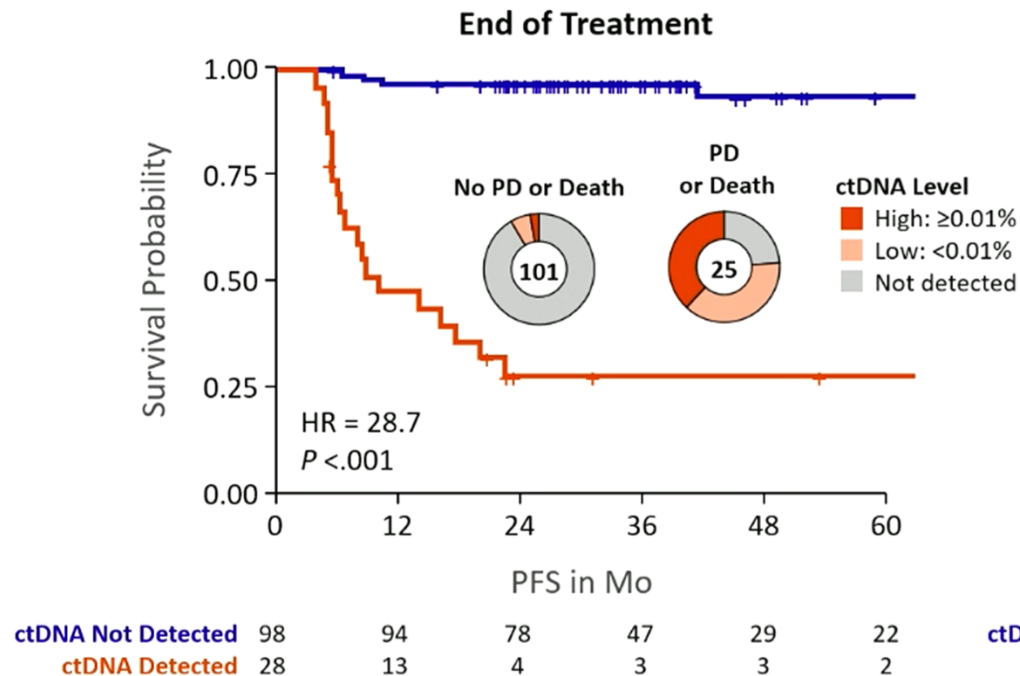
- Primary endpoint: CR rate
- Secondary endpoints: PFS, OS, ORR, safety

Optimizing Diffuse Large B-Cell Lymphoma (DLBCL) Treatment: An Expert Roundtable on the Role of New and Emerging Targeted Therapies

Biopsia Líquida y ADN Circulante (ctDNA)

ctDNA: Prognostic Utility

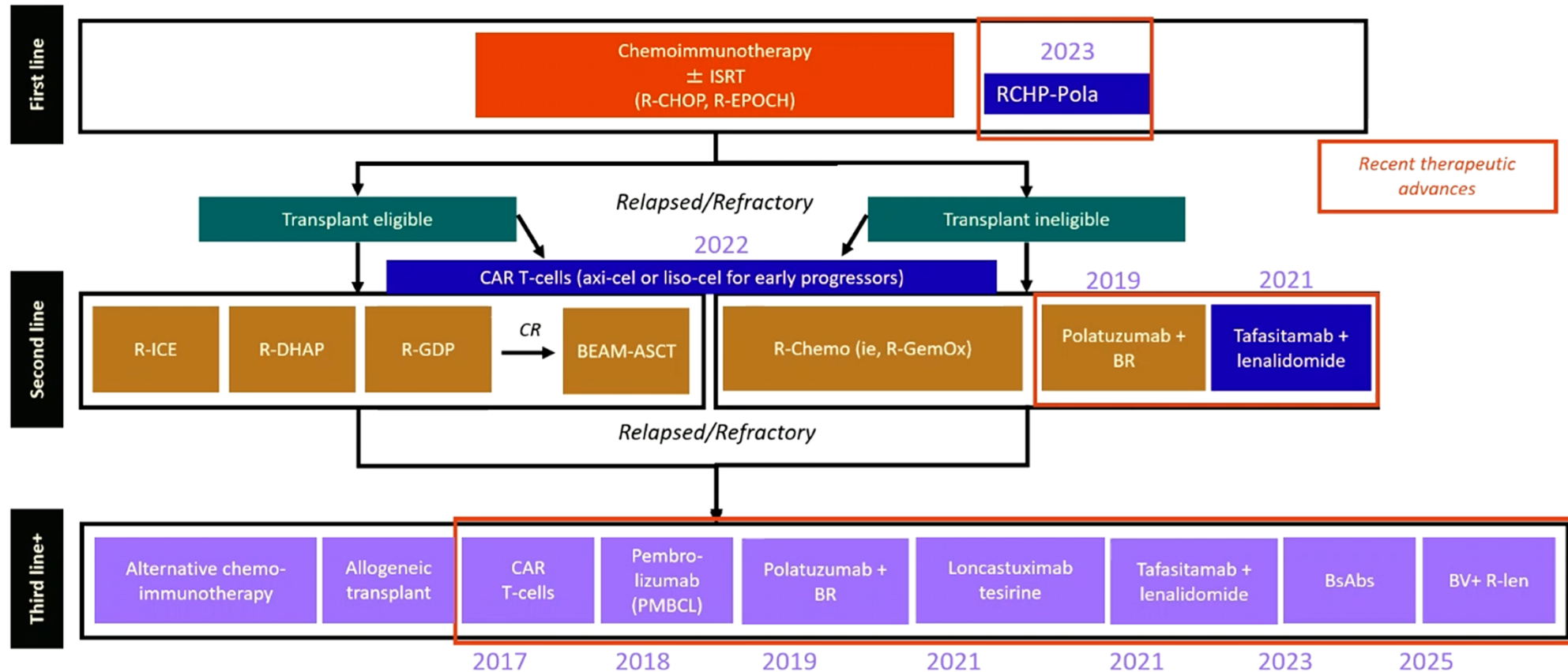
- ctDNA has greatest prognostic utility after therapy



Optimizing Diffuse Large B-Cell Lymphoma (DLBCL) Treatment: An Expert Roundtable on the Role of New and Emerging Targeted Therapies

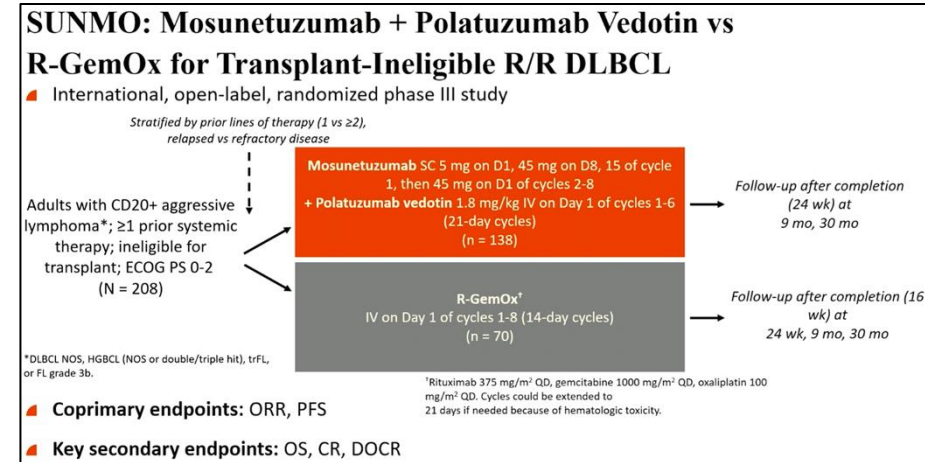
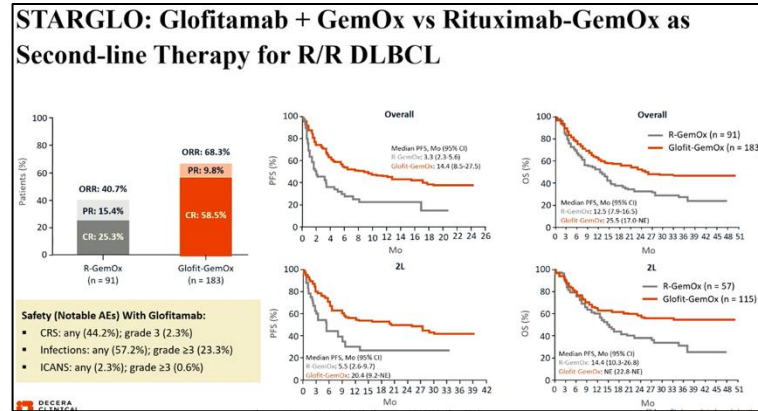
Alternativas terapéuticas en el campo del DLBCL R/R

The Current LBCL Treatment Landscape



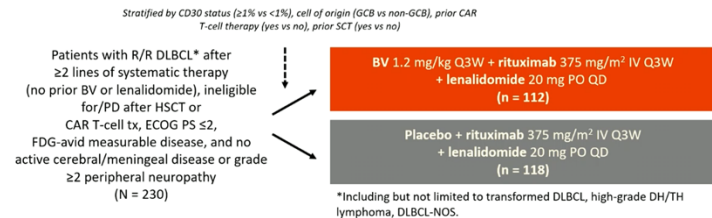
Optimizing Diffuse Large B-Cell Lymphoma (DLBCL) Treatment: An Expert Roundtable on the Role of New and Emerging Targeted Therapies

Multitud de alternativas terapéuticas en el campo del DLBCL R/R



ECHELON-3 Study of Brentuximab Vedotin Plus Lenalidomide and Rituximab (R²) vs R² Plus Placebo

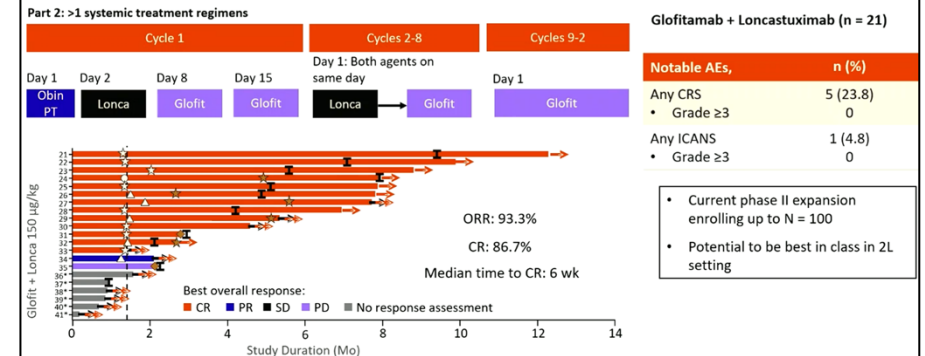
Multicenter, double-blind, placebo-controlled, randomized phase III trial



- Primary endpoint:** OS in ITT population
- Key secondary endpoints:** PFS and ORR by investigator in ITT population, CR and DoR by investigator, OS in patients with CD30+ disease, safety/tolerability

Loncastuximab Tesirine + Glofitamab in R/R DLBCL

International, open-label, multiarm phase Ib study after 3L+ R/R B-NHL (part 1) and 2L+ R/R LBCL (part 2)



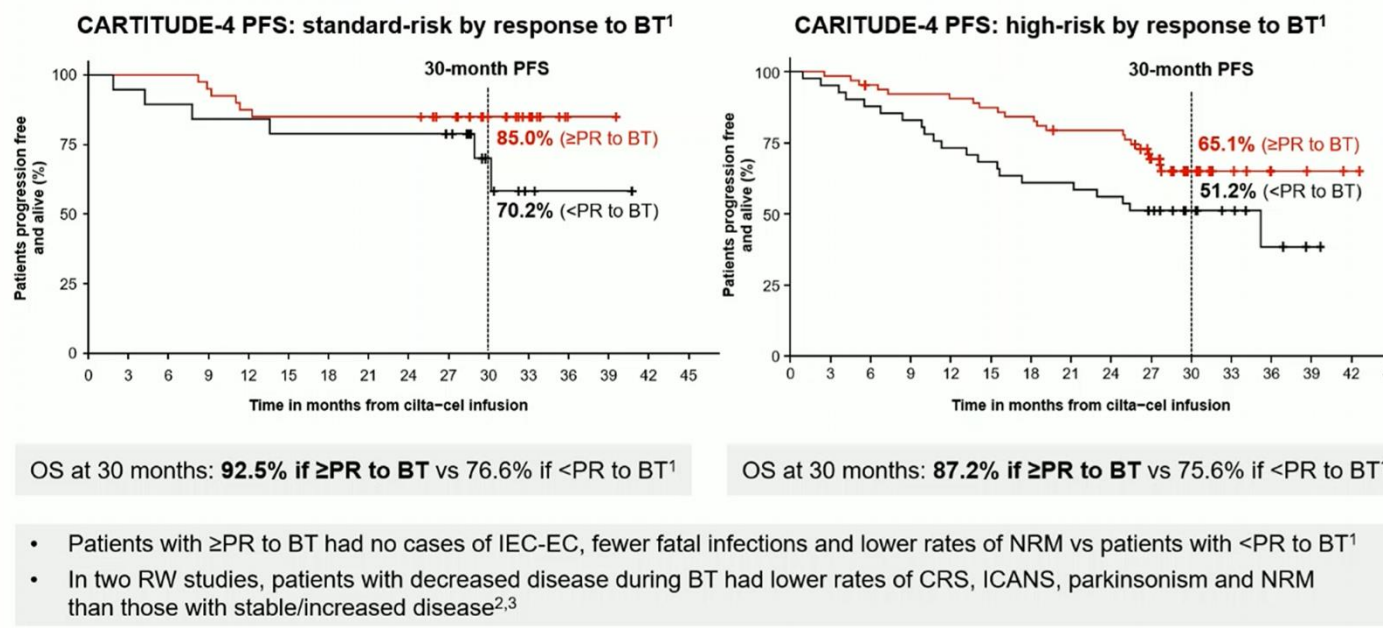
Following the red thread in multiple myeloma (MM): aligning innovation with clinical practice

- Maximizar el "Tumor Debulking" con Terapia Puente: Supervivencia y tolerancia
- Manejo de las toxicidades neurológicas NO-ICANS de Cilta-Cel
- Consolidación de los BiEspecíficos como alternativa en líneas tempranas (Teclistamab, Elranatamab, Linvoseltamab)

Following the red thread in multiple myeloma (MM): aligning innovation with clinical practice

Maximizar el "Tumor Debulking" con Terapia Puente: Supervivencia y reducción de toxicidad

Choosing an effective bridging therapy can help to optimise efficacy and tolerability¹⁻³



Following the red thread in multiple myeloma (MM): aligning innovation with clinical practice

Manejo de las toxicidades neurológicas NO-ICANS de Cilta-Cel

Non-ICANS neurological events are infrequent, manageable, and largely reversible with prompt recognition^{1–6}

Non-ICANS neurological events usually occur in the sub-acute to late-onset setting (≥ 3 –4 weeks after infusion)¹



Prevention^{1–4}

- **Using an effective bridging therapy and intensive CRS management** to reduce disease burden before CAR-T cell infusion may help mitigate neurological events
- **ALC $\geq 3000/\mu\text{L}$ on Days 7–14 may serve as a potential threshold** for identifying patients with RRMM at elevated risk warranting close monitoring



Monitoring and awareness^{1,2}

- Patients, their caregivers and CAR-T cell treatment centres should be **educated on the incidence, signs and symptoms** of delayed neurological events
- **Prompt neurological assessment** should be initiated **following identification of signs and symptoms**



Treatment⁵

- **Guillain–Barré syndrome:** consider IV corticosteroids and IVIG
- **Cranial nerve palsies:** consider a short course of oral corticosteroids
- **MNT:** consider early use of systemic steroids as 1L treatment, with escalation to high-dose IV cyclophosphamide if symptoms worsen

Real-world outcomes and subsequent treatment utilization following anti-B-cell maturation antigen antibody–drug conjugate exposure in patients with multiple myeloma

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BACKGROUND AND OBJECTIVE

- The anti-B-cell maturation antigen (BCMA) antibody–drug conjugate (ADC) belantamab mafodotin was first granted accelerated US Food and Drug Administration (FDA) approval in 2020 for heavily pretreated relapsed/refractory multiple myeloma (RRMM), but approval was withdrawn in 2023 after the DREAMM-3 trial failed to confirm clinical benefit¹
- In 2025, the FDA and European Medicines Agency (EMA) approved belantamab mafodotin in combination with bortezomib and dexamethasone for RRMM^{2,3}
- Given the recent re-approval of belantamab mafodotin, there is renewed clinical interest in understanding outcomes for MM patients post anti-BCMA ADC exposure
- Outcomes following anti-BCMA ADC exposure have been evaluated in clinical trial populations^{4–7}. However, real-world evidence describing outcomes associated with subsequent lines of therapy (LOTs) after anti-BCMA ADC exposure remains limited^{8–9}
- Objective:** To characterize real-world treatment patterns following anti-BCMA ADC exposure and associated clinical outcomes in patients with RRMM

METHODS

- Adult patients (aged ≥18 years) with triple class exposed MM who received an anti-BCMA ADC between August 7, 2018 and December 21, 2022 and initiated ≥1 subsequent LOT were included
 - Patients treated with bispecific antibodies and chimeric antigen receptor T-cell (CAR T) therapies prior to anti-BCMA ADC exposure were excluded
- The index date was the day the first post-anti-BCMA ADC LOT was initiated
- Real-world cohorts were derived from two separate data sources: chart reviews conducted at International Myeloma Foundation International Myeloma Working Group (IMF IMWG) academic sites, and US electronic health records (COTA and Guardian Research Network [GRN]) which consisted of data primarily from community sites
- Outcomes included distribution of treatment regimens, overall survival (OS), and time to next treatment (TTNT)
- Time to event outcomes were estimated with the Kaplan–Meier (KM) estimator

DISCUSSION

- As this patient population predates the approval of belantamab mafodotin plus bortezomib and dexamethasone, the impact on bispecific antibody and CAR T uptake following failure of this regimen remains unknown. Ongoing evaluation will be important as the adoption of newer MM therapies continues to evolve in community practice
- This analysis is descriptive in nature, providing an overview of observed treatment patterns without formal statistical comparisons



Multiple myeloma

Scan the QR code for a copy of the poster



Poster

RESULTS

- Baseline characteristics for the IMF IMWG and COTA/GRN groups including demographic, clinical, treatment and disease characteristics (Table 1)

TABLE 1. Baseline characteristics

	IMF IMWG (n=40)	COTA/GRN (n=39)
Age at index date (years), mean (SD)	70.8 (8.2)	67.5 (9.0)
Sex, n (%)		
Female	22 (55.0)	19 (48.7)
Male	18 (45.0)	20 (51.3)
Race, n (%)		
Asian	1 (2.5)	2 (5.1)
Black or African American	1 (2.5)	7 (17.9)
White	35 (87.5)	28 (71.8)
Unknown/not stated	3 (7.5)	2 (5.1)
Underweight	2 (5.0)	1 (2.6)
Normal	16 (40.0)	11 (28.2)
Overweight/obese	21 (52.5)	17 (43.6)
Missing	1 (2.5)	10 (25.6)
ECOG PS score, n (%)		
0	10 (25.0)	7 (17.9)
1	26 (65.0)	10 (25.6)
2	2 (5.0)	3 (7.7)
Missing	2 (5.0)	19 (48.7)
IMM subtype, n (%)		
IgA	6 (15.0)	7 (17.9)
IgD	22 (55.0)	19 (48.7)
Light chain	10 (25.0)	9 (23.1)
Non-secretory	1 (2.5)	1 (2.6)
Missing	1 (2.5)	3 (7.7)
Cytogenetic risk, n (%)		
High	4 (10.0)	9 (23.1)
Standard	17 (42.5)	24 (61.5)
Missing	19 (47.5)	6 (15.4)
Anti-BCMA ADC LOT number, n (%)		
1	22 (55.0)	19 (48.7)
2	4 (10.0)	3 (7.7)
3	2 (5.0)	1 (2.6)
4	4 (10.0)	3 (7.7)
5	8 (20.0)	2 (5.1)
6	3 (7.5)	4 (10.3)
7	3 (7.5)	2 (5.1)
Anti-BCMA ADC LOT number, mean (SD)	7.5 (3.4)	7.9 (2.5)
Prior HSCT, n (%)		
Yes	26 (65.0)	32 (82.1)
No	14 (35.0)	7 (17.9)
Missing	0	0
R-ISS at index date, n (%)		
I	1 (2.5)	0
II	6 (15.0)	6 (15.4)
III	2 (5.0)	7 (17.9)
Missing	31 (77.5)	26 (66.7)
Time from MM diagnosis to start of first treatment following anti-BCMA ADC therapy (year), mean (SD)	8.6 (3.5)	6.5 (3.5)
Patient class exposed, n (%)	13 (32.5)	21 (53.8)

Patients with anti-BCMA ADC exposure and a subsequent LOT. ADC, antibody–drug conjugate; BCMA, B-cell maturation antigen; BMI, body mass index; ECOG PS, Eastern Cooperative Oncology Group performance status; GRN, Guardian Research Network; HSCT, hematopoietic stem cell transplant; IgG, immunoglobulin G; IMF IMWG, International Myeloma Foundation International Myeloma Working Group; LOT, line of therapy; MM, multiple myeloma; R-ISS, Revised International Staging System; SD, standard deviation.

- Among anti-BCMA ADC-treated patients initiating a subsequent LOT, proportions of anti-BCMA ADC monotherapy were higher in the IMF IMWG cohort versus COTA/GRN (85% vs 56%, respectively), whereas combination therapy was more common in COTA/GRN versus the IMF cohort (44% vs 15%, respectively)
 - Belantamab mafodotin comprised 100% of anti-BCMA ADC monotherapy use in the COTA/GRN cohort and 82% in the IMF IMWG cohort
- The IMF IMWG and COTA/GRN cohorts included 29 and 32 unique post-anti-BCMA ADC index regimens, respectively, defined as specific drug combinations
 - Sellinor-based regimens were most commonly used (27.5% and 23.1%), with higher use of bispecific antibodies in IMF IMWG cohort (15.0%) and venetoclax-based regimens in COTA/GRN cohort (17.9%) (Table 2)

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Presented at European Hematology Association (EHA) 2026; Stockholm, Sweden, June 11–14, 2026. medical.information@regeneron.com

TAKEAWAYS

- Most patients with heavily pretreated, anti-BCMA ADC-exposed MM were re-treated with similar therapy classes used prior to anti-BCMA ADC
- IMF IMWG academic sites used novel therapies (i.e., CAR T therapy and bispecific antibodies) more often, and their patients had longer survival and TTNT than those predominately from community sites (COTA/GRN)
- Patients treated after anti-BCMA ADC exposure continued to experience suboptimal clinical outcomes, underscoring the need for more effective and accessible treatment options

POSTER PF839

TABLE 2. Distribution of the first treatment regimen after anti-BCMA ADC exposure

Distribution of treatment regimens*, n (%)	IMF IMWG (n=40)	COTA/GRN (n=39)
Sellinor-containing regimens	11 (27.5)	9 (23.1)
Sellinor	2 (5.0)	0
Sellinor + dexamethasone	2 (5.0)	1 (2.6)
Sellinor + PI + corticosteroid	6 (15.0)	5 (12.8)
Other	1 (2.5)	3 (7.7)
Bispecific antibodies	6 (15.0)	0
Anti-BCMA	5 (12.5)	0
Non-anti-BCMA (carotamab)	1 (2.5)	0
PI + alkylating agent + corticosteroid	4 (10.0)	2 (5.1)
PI + pomalidomide + dexamethasone	3 (7.5)	0
Alkylating agent with/without dexamethasone	2 (5.0)	6 (15.4)
Alkylating agent	1 (2.5)	4 (10.3)
Alkylating agent + dexamethasone	1 (2.5)	2 (5.1)
CAR T therapy	2 (5.0)	1 (2.6)
Idecabtagene vicleucel	2 (5.0)	0
Not specified (with alkylating agent)	0	1 (2.6)
Venetoclax-containing regimen	0	7 (17.9)
Chemotherapy regimens containing cyclophosphamide and etoposide	1 (2.5)	3 (7.7)
Eltuzumab-containing regimen	2 (5.0)	1 (2.6)
Other	9 (22.5)	10 (25.6)

*The most common treatment categories for the IMF and COTA/GRN cohorts (used in ≥3 LOT) received across all eligible LOTs after receiving an anti-BCMA ADC treatment. ADC, antibody–drug conjugate; BCMA, B-cell maturation antigen; CAR T, chimeric antigen receptor T cell; GRN, Guardian Research Network; IMF IMWG, International Myeloma Foundation International Myeloma Working Group; LOT, line of therapy; PI, proteasome inhibitor.

- Re-treatment with a pre-ADC drug class (proteasome inhibitor, immunomodulatory drug or anti-cluster of differentiation 38 therapy) occurred in 60.0% of patients in the IMF IMWG cohort and 53.8% of patients in the COTA/GRN cohort (Table 3)

TABLE 3. Triple-class therapies received before and after anti-BCMA ADC exposure

Received a similar class of therapy before and after ADC exposure, n (%)	IMF IMWG (n=40)	COTA/GRN (n=39)
PI	21 (52.5)	17 (43.6)
IMiD	7 (17.5)	4 (10.3)
Anti-CD38	4 (10.0)	3* (7.7)
At least one similar class of therapy	24 (60.0)	21 (53.8)

*One patient who received daratumumab before, and both daratumumab and isatuximab after, an anti-BCMA ADC therapy was counted once.

ADC, antibody–drug conjugate; BCMA, B-cell maturation antigen; CD, cluster of differentiation; GRN, Guardian Research Network; IMF IMWG, International Myeloma Foundation International Myeloma Working Group; IMiD, immunomodulatory drug; PI, proteasome inhibitor.

- For the first treatment after anti-BCMA exposure, the median follow-up duration was 26.0 months (95% confidence interval [CI] 15.9–Not estimable [NE]) in the IMF IMWG cohort and 9.2 months (95% CI 3.5–13.5) in the COTA/GRN cohort. The median OS was 19.0 and 12.0 months, respectively (Figure 1).
- The median TTNT was 10.8 and 4.9 months, respectively (Figure 2).

FIGURE 1. KM curves for OS

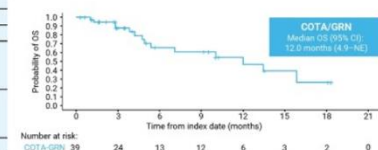
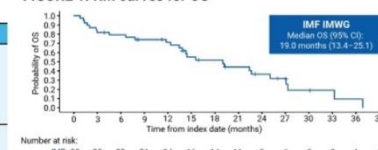
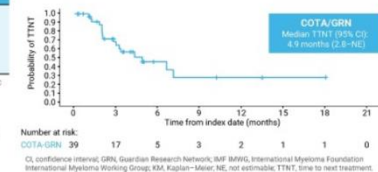
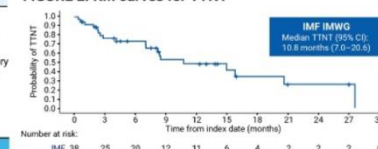


FIGURE 2. KM curves for TTNT



AFFILIATIONS

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