KEY UPDATES AND EXPERT DISCUSSION FROM MYELOMA ROUNDS

This activity is provided by The Leukemia & Lymphoma Society and Medical Learning Institute, Inc., in collaboration with the Association of Cancer Care Centers™ (ACCC).



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WELCOME AND INTRODUCTIONS

Amanda O'Neill, LMSW

Senior Manager, Professional Education The Leukemia & Lymphoma Society Rye Brook, NY



TARGET AUDIENCE

This CE activity is intended for hematologists-oncologists, medical oncologists, nurse practitioners, nurses and pharmacists involved in the care of patients with myeloma.

EDUCATIONAL OBJECTIVES

After completing this CE activity, the participant should be better able to:

- · Describe the latest developments in myeloma, including current and emerging treatments
- Engage patients and caregivers in discussions on clinical trials, newly approved therapies and emerging therapies for myeloma, including combination therapies, CAR T-cell therapy and bispecific antibodies
- · Identify disparities and challenges in diagnosis and treatment of myeloma
- · Apply evidence-based treatment strategies for optimal patient care
- Access patient support resources



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SPEAKERS

Edward A. Stadtmauer, MD (Chair, Myeloma Rounds, Philadelphia)

Section Chief, Hematologic Malignancies

Roseman, Tarte, Harrow, and Shaffer Families'

President's Distinguished Professor

University of Pennsylvania Abramson Cancer Center

Philadelphia, PA

Cindy Varga, MD (Chair, Myeloma Rounds, Durham)

Associate Professor

Atrium Health Levine Cancer Institute

Plasma Cell Dyscrasia Division

Department of Hematology and Oncology

Charlotte, NC



Update on Clinical Trials of Early Use of Immunotherapy for Myeloma

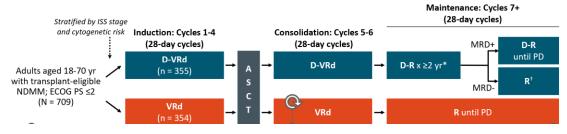
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PERSEUS: DARA + VRD IN TRANSPLANT ELIGIBLE MM

Multicenter, open-label, **randomized phase III trial**; current analysis median f/u: 47.5 months

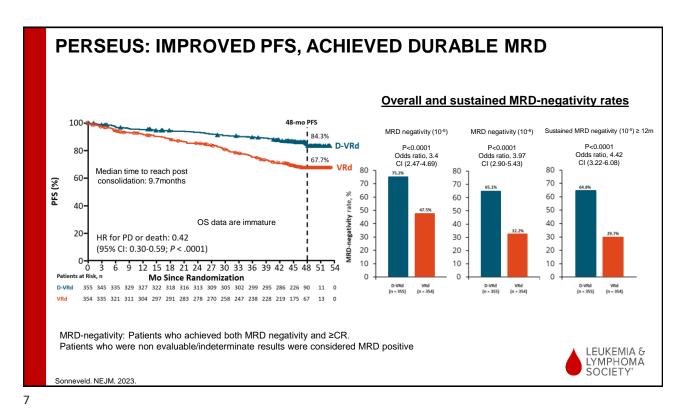


Dosing: D 1800 mg SC QW (induction cycles 1-2)/Q2W (induction cycles 3-4 and consolidation)/Q4W (maintenance); V 1.3 mg/m² SC on Days 1, 4, 8, 11; R 25 mg PO on D1-21 (induction and consolidation)/10 mg PO on Days 1-28 (maintenance); d 40 mg PO/IV on Days 1-4, 9-12. *D stopped after 2 yr in those with ≥CR and sustained MRD negativity (10⁵) for 12 mo. *Restart D if confirmed loss of CR without PD or MRD recurrence.

- Primary endpoint: PFS
- Key secondary endpoints: ≥CR rate, MRD negativity rate, OS

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Sonneveld. NEJM. 2023.

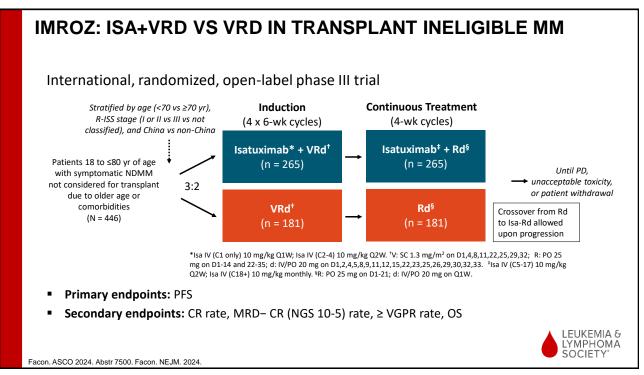


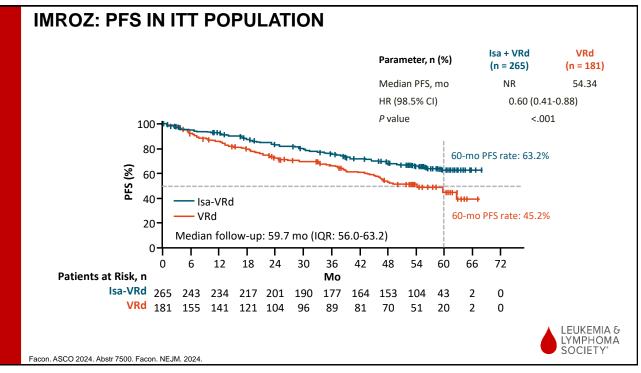
PERSEUS UPDATE: SUMMARY

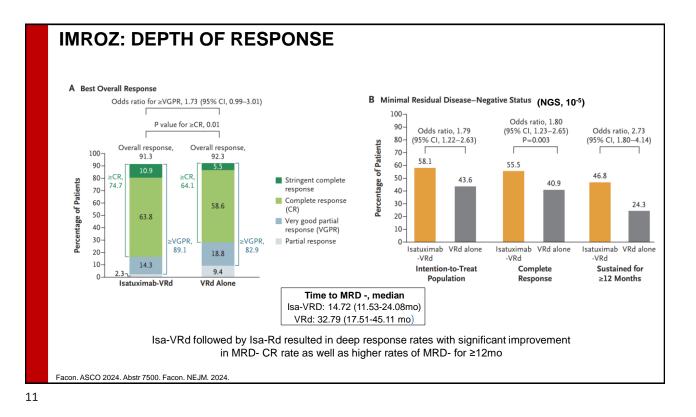
- 1. Adds support for quadruplet therapy with anti-CD38 in newly diagnosed MM.
- 2. Dara-R maintenance associated with higher rates of MRD negativity and conversion to sustained MRD negativity.
- 3. Only 30% in high-risk population could sustain MRD negativity unmet need.
- 4. Need long term Overall Survival data.



Rodriguez-Otero. ASCO 2024. Abstr 7502. NCT03710603.







IMROZ: SAFETY SUMMARY

TEAE	Isatuximab + VRd (n = 263)	VRd (n = 181)
Any TEAE, n (%)	262 (99.6)	178 (98.3)
■ Grade ≥3	241 (91.6)	152 (84.0)
■ Grade 5*	29 (11.0)	10 (5.5)
■ Serious	186 (70.7)	122 (67.4)
 Leading to treatment discontinuation 	60 (22.8)	47 (26.0)
Invasive second primary malignancies		
■ Solid tumors	22 (8.4)	14 (5.3)
■ Hematologic	3 (1.1)	1 (0.4)

Deaths were caused mainly by infection, Isa-VRd (17,6.5%) vs VRd (7,3.9%)

Quality of life measurements by EORTC QLQ-C30 GHS, remained stable over time in both groups

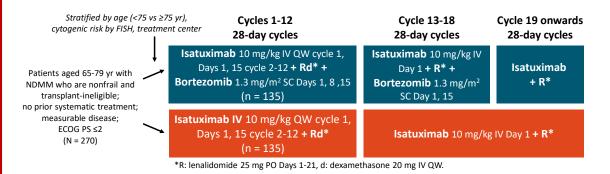
^{*}Grade 5 AEs mostly due to infection. In Isa-VRd arm: infections (n = 16); sudden death (n = 4); n = 1 each renal tubular acidosis, septic shock, hepatic cirrhosis, neuroendocrine carcinoma of the skin, febrile neutropenia, respiratory failure, dyspnea, pulmonary embolism, undetermined. In VRd arm: infections (n = 7); n = 1 each pulmonary embolism, pleural effusion, undetermined.



Facon. ASCO 2024. Abstr 7500. Facon. NEJM. 2024.

BENEFIT: ISA-VRD VS ISA-RD

Multicenter, open-label, randomized, phase III trial

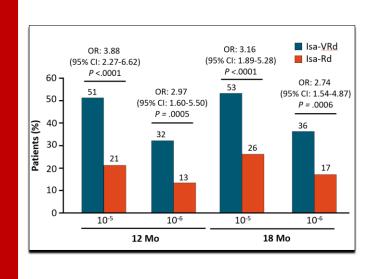


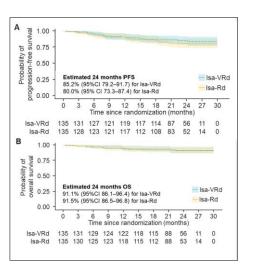
- Primary endpoint: MRD (10⁻⁵) at 18 mo
- Key secondary endpoints: ORR (CR, ≥ VGPR), MRD- CR (10-5), PFS, OS, safety

Leleu. Nature Medicine. 2024, Leleu ASCO 2024 Abstr 7501.

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BENEFIT: IMPROVED MRD, BUT NO PFS/OS BENEFIT





LEUKEMIA & LYMPHOMA SOCIETY

Leleu, Nature Medicine, 2024, Leleu ASCO 2024 Abstr 7501:

BENEFIT: HIGHER RATES OF NEUROPATHY

AEs, n (%)	Isa-VRd (n = 135)			a-Rd = 135)
	Any Gr	Gr ≥3	Any Gr	Gr ≥3
Hematologic				
 Neutropenia 	77 (57)	53 (40)	82 (61)	61 (45)
■ Lymphopenia	53 (39)	44 (33)	38 (28)	33 (24)
■ Anemia	30 (22)	13 (10)	27 (20)	7 (5)
Thrombocytopenia	37 (27)	16 (12)	19 (14)	8 (5)
	Any Gr	Gr ≥2	Any Gr	Gr ≥2
Infections/Infestation				
 Respiratory system 	65 (48)	47 (35)	64 (47)	54 (40)
■ Other	61 (45)	48 (36)	48 (36)	35 (28)
Nervous system disorder				
Peripheral neuropathy	70 (52)	37 (27)	38 (28)	13 (10)
■ Other	38 (28)	19 (14)	41 (30)	17 (13)

12% (16) discontinued therapy due to nervous system disorders ≥2

Leleu. Nature Medicine. 2024, Leleu ASCO 2024 Abstr 7501.

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QUADRUPLET IN TRANSPLANT DEFERRED: SUMMARY

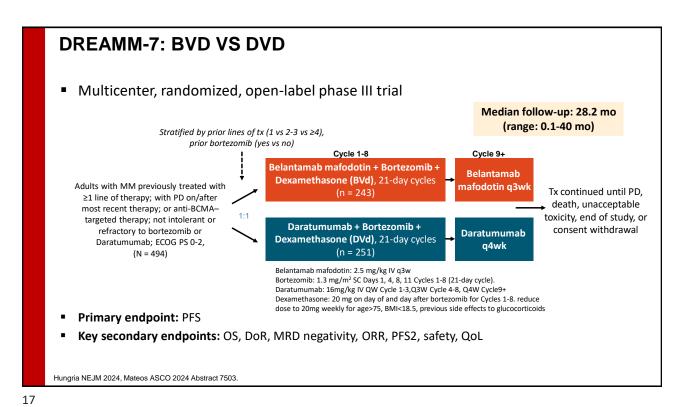
1. <u>IMROZ:</u>

- Improved PFS and higher rates of MRD negativity with Isa-VRd
- Higher rates of infection; but QOL maintained
- Overall Survival data immature

2. BENEFIT:

- Addition of bortezomib showed improvement in MRD negativity rates but with tradeoffs higher rates of grade ≥2 neuropathy with Isa-VRd vs Isa-Rd
- No PFS/OS benefit: Long term follow-up needed

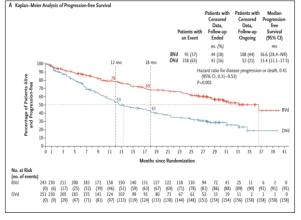
Facon. ASCO 2024. Abstr 7500. Facon. NEJM. 2024. Leleu. Nature Medicine. 2024, Leleu ASCO 2024 Abstr 7501.

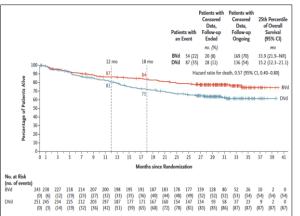


DREAMM-7: BASELINE CHARACTERISTICS

Decelius abancetanistica	ITT population		
Baseline characteristics	BVd (N=243)	DVd (N=251)	
Age, median (range), years <65, n (%) 65 to <75, n (%) ≥75, n (%)	65.0 (34-86) 121 (50) 85 (35) 37 (15)	64.0 (32-89) 126 (50) 95 (38) 30 (12)	
Male/female, n (%)	128 (53)/115 (47)	144 (57)/107 (43)	
White/Black or African American/other, n (%)a	206 (85)/8 (3)/ 28 (12)	203 (81)/12 (5)/34 (14)	Prior Bortezomib 80%
ECOG PS ≤1, n (%)	232/242 (96)	235/246 (96)	Prior Lenalidomide 50% Failed lenalidomide 30%
R-ISS stage at screening, n (%) I II III Unknown	102 (42) 130 (53) 9 (4) 2 (<1)	103 (41) 132 (53) 14 (6) 2 (<1)	
Years since diagnosis, median (range)	4.28 (0.2-26.0)	3.94 (0.1-23.4)	
Cytogenetic abnormalities, n (%) High risk ^b Standard risk ^c Missing or non-evaluable	67 (28) 175 (72) 1 (<1)	69 (27) 175 (70) 7 (3)	b High risk cytogenetics:
Extramedullary dise se, n (%) Yes No	13 (5) 230 (95)	25 (10) 226 (90)	presence of ≥ 1 of the following t(4;14), t(14;16), or del(17p13)

DREAMM-7: IMPROVED PFS AND POSITIVE TREND IN OS

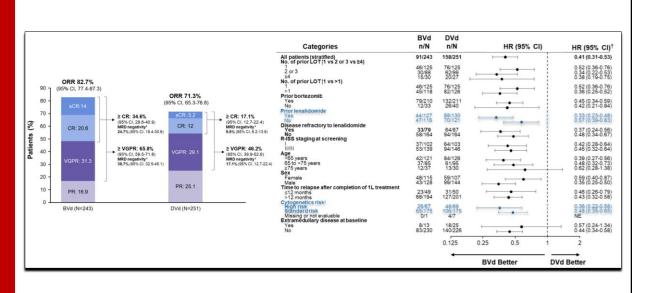




Hungria NEJM 2024, Mateos ASCO 2024 Abstract 7503.

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DREAMM-7: HIGHER RESPONSE WITH BVD



Hungria NEJM 2024, Mateos ASCO 2024 Abstract 7503.

DREAMM-7: OCULAR SIDE EFFECTS

Table 3. Adverse Events Reported in at Least 15% of Patients in Either Group (Safety Population).*					
Event		BVd (N=242)			
	Any Grade	Grade ≥3	Any Grade	Grade ≥3	
		no. of pa	tients (%)		
Any adverse event	242 (100)	230 (95)	246 (100)	192 (78)	
Blood and lymphatic system disorders Thrombocytopenia† Infections and infestations	167 (69)	134 (55)	122 (50)	87 (35)	
Ocular events					
Any	191 (79)	82 (34)	72 (29)	7 (3)	
Blurred vision	160 (66)	53 (22)	26 (11)	2 (1)	
Dry eye	123 (51)	17 (7)	17 (7)	0	
Photophobia	114 (47)	5 (2)	6 (2)	0	
Eye irritation	103 (43)	12 (5)	13 (5)	0	
Foreign-body sensation in eye	106 (44)	8 (3)	10 (4)	0	
Eye pain	77 (32)	2 (1)	8 (3)	1 (<1)	
Cataract	49 (20)	17 (7)	25 (10)	6 (2)	

Dose reductions (44%), delays (78%), discontinuation (9%) > 90% patients had resolution in symptoms

No Difference in global QOL despite AE between BVd vs DVd over time

Hungria NEJM 2024, Mateos ASCO 2024 Abstract 7503

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DREAMM-8: BPD VS PVD

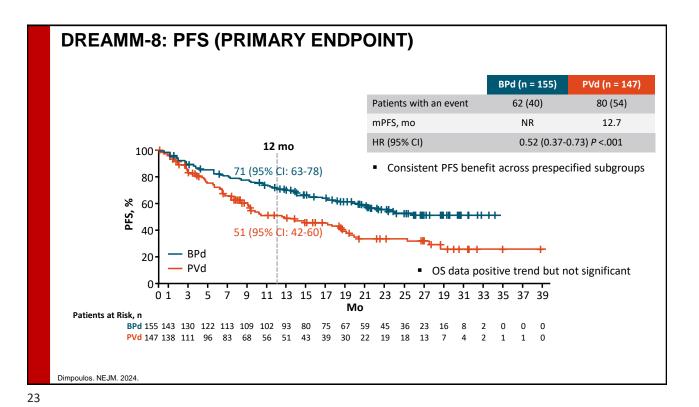
Multicenter, randomized, open-label phase III trial

Stratified by prior lines of tx (1 vs 2-3 vs ≥4), Median follow-up: 21.8 mo prior bortezomib (yes vs no), prior anti-CD38 mAb (yes vs no) (range: 0.03-39.23 mo) Belantamab mafodotin + Pomalidomide + Adults with MM previously treated with Dexamethasone (BPd), 28-day cycles ≥1 line of therapy (including (n = 155)Tx continued until PD, lenalidomide); with PD on/after most unacceptable toxicity, end recent therapy; no prior treatment with pomalidomide or of study, or consent Bortezomib + Pomalidomide + anti-BCMA-targeted therapy; not withdrawal intolerant or refractory to bortezomib; Dexamethasone (PVd), 21-day cycles ECOG PS 0-2 (N = 302)Belantamab mafodotin: 2.5 mg/kg IV Cycle 1, 1.9 mg/kg IV Cycle 2 onward. Bortezomib: 1.3 mg/m² SC Days 1, 4, 8, 11 Cycles 1-8, then Days 1, 8 (21-day cycle). Pomalidomide: 4 mg PO; in BPd regimen: Days 1-21 28-day cycle; in PVd regimen: Days 1-14 (21-day cycle). Dexamethasone: 40 mg on Days 1, 8, 15, 22 in BPd regimen; 20 mg on day of and day after bortezomib in PVd regimen.

Primary endpoint: PFS

• Key secondary endpoints: OS, DoR, MRD negativity, ORR, PFS2, safety, QoL

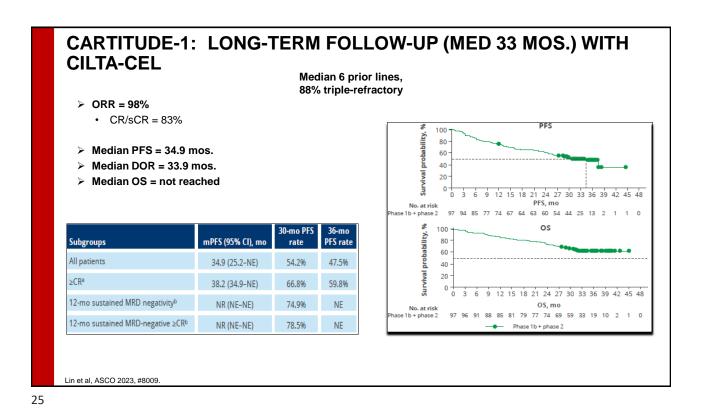
Dimpoulos. NEJM. 2024.



BELANTAMAB FOR RRMM: SUMMARY

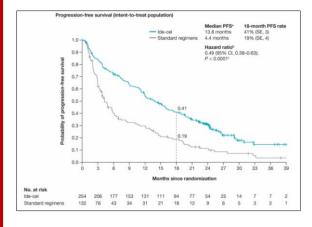
- Belantamab + bortezomib /dex showing excellent clinical efficacy with improved PFS and MRD negativity in RRMM, even in poor prognostic risk groups (DREAMM-7)
- 2. Unique ocular side effects although manageable with reduced frequency dosing
- 3. Unclear role in the early relapsed setting, still only available by EAP
 - > April 2024: FDA approval for CAR-T cell therapy in early lines of therapy

Dimpoulos. NEJM. 2024, Hungria NEJM 2024, Mateos ASCO 2024 Abstract 7503



IDE-CEL IN RRMM: CIBMTR REAL-WORLD COHORT (N=821) Progression-free Survival Progression-free Survival 100% 60 40 ORR: 73% Median PFS: 9 months 60% N at Risk ≥ VGPR 40% rate: 56% 20% SPM (N=33) Basal cell/Squamous cell skin cancer 20 (61) AML/MDS 8 (24) Overall 60 Malignant Melanoma 2 (6) ■PR ■VGPR ■CR or sCR **Breast Cancer** 1 (3) CNS malignancy 1 (3) Genitourinary malignancy 1 (3) Months 0 No T cell malignancies reported N at Risk rustine 47 Flu/Cy 726 Sidana et al. ASH 2023, #1027

UPDATED KARMMA-3: IDE-CEL VS SOC IN 2-4 PRIOR LINES



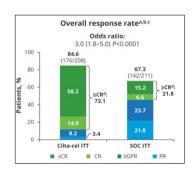
	lde-cel (n = 254)	Standard regimens (n = 132)
ORR, ^a % (95% CI)	71.3 (65.7–76.8)	42.4 (34.0-50.9)
OR (95% CI) ^b	3.4 (2	2.2-5.2)
CR rate, 6 % (95% CI)	43.7 (37.6-49.8)	5.3 (1.5-9.1)
Median DOR, months (95% CI)de	16.6 (12.1-19.6)	9.7 (5.5-16.1)
DOR rate at 18 months, % (SE)f	46.1 (3.8)	27.6 (6.4)
MRD negativity in patients with ≥ CR, n/N (%)9	57/254 (22.4)	1/132 (0.8)
95% CI	(17.3-27.6)	(0.0-2.2)
Median TTNT, months (range)d,h	20.9 (16.6-24.2)	7.0 (5.3-8.5)
Median EFS, months (95% CI)d	13.3 (11.3-15.7)	3.9 (3.0-5.3)
Median PFS2, months (95% CI)d	23.5 (18.4-27.9)	16.7 (12.2-20.3)i

Crossover allowed to ide-cel in SOC arm (53%)

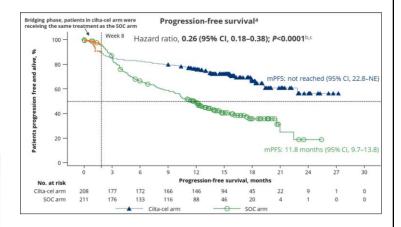
Rodriguez-Otero et al, ASH 2023, #1028.

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CARTITUDE-4: CILTA-CEL VS DPD OR VPD IN 1-3 PRIOR LINES

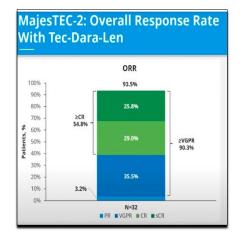


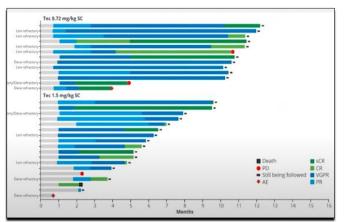
Outcome	Cilta-cel (N=208)	SOC (N=211)
12-month DOR rate, % (95% CI)	84.7 (78.1-89.4)	63.0 (54.2-70.6)
Duration of response, months median (95% CI)	NR	16.6 (12.9-NE)



Dhakal et al, ASCO 2023, #LBA106.

BCMA BISPECIFICS IN EARLIER RELAPSED MM (1-3 PRIOR LINES)





81% of responders (n=31) progression free at med f/up 8 months

Searle et al, ASH 2022, #160.

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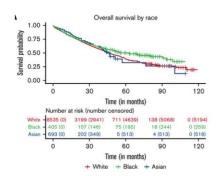
CONCLUSIONS

- > Unprecedented activity of CAR T cells and Bispecific Abs in relapsed/refractory MM
 - · Ide-cel and Cilta-cel (BCMA CAR T)
 - Teclistamab and Elranantamab (BCMA BsAbs)
 - Talquetamab (GPRC5D BsAb)
 - · Multiple additional agents in development
- ➤ Moving to early relapse (1-3 prior lines)
 - · Eventually upfront and maintenance
- > Toxicities remain an issue
 - · CRS and neurotox (early), Cytopenias and infections (late)
 - Watch for GPRC5D-related toxicities (skin, nails, tastebuds/tongue)
- > Sequential T cell-directed therapies feasible and active
 - · Optimal sequence remains unknown
 - Dual-targeted therapy approaches showing promise
- Resurrection of Balantamab mafadotin but where to put it?



DISPARITIES IN ACCESS TO CLINICAL TRIALS

- > 19 Registration Trials MM (2006-2019) 10,157 patients
- · 84% White, 7% Asian, 4% Black
- 4% Hispanic



Contributing Factors

- · Financial burdens
- Lack of caregiver support/transportation
- · Referral bias
- · Physician bias
- · Cultural beliefs/mistrust
- · Language barriers

Potential Solutions:

- · April 2022 FDA Industry Draft Guidance
 - · Diversity Action Plans
- · Expense Reimbursement
 - · Industry, Lazarex iMPACT Program
- · Unconscious Bias Training
- · Non-Profit Advocacy and Research Efforts
 - LLS Office of Public Policy, Equity in Access Research Program
 - · IMF M-Power Program

Kanapuru et al. Blood Adv. 2022

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How Do We Treat AL Amyloidsis?

Cindy Varga, MD

Associate Professor
Department of Hematologic Oncology and Blood Disorders
Plasma Cell Disorders Division
Charlotte, NC



BACKGROUND

- AL amyloidosis is a systemic disorder associated with a low burden plasma cell or B cell lymphoproliferative disorder
 - · Monoclonal immunoglobulins or light chains that misfold
- Treatment is to focus on the rapid reduction/elimination of plasma cells (CR or VGPR) to achieve an organ response
- High dose melphalan/SCT was developed for AL in the 1990's and has historically been associated with the best outcomes



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MEL/SCT

- ORR 80-85%
- 30-50% CR rate and 66% organ response
- Fixed number of cycles of bortezomib-based induction prior to ASCT has led to superior outcomes compared to ASCT alone
- 2/3 of patients who undergo ASCT are alive 10 years following transplant
- Transplant-related mortality is higher in patients with AL amyloidosis
 - Up to 20-30%
 - 5-10% in later years due to more meticulous selection of candidates



Gustine JN et al. Am J Hematol. (2022).

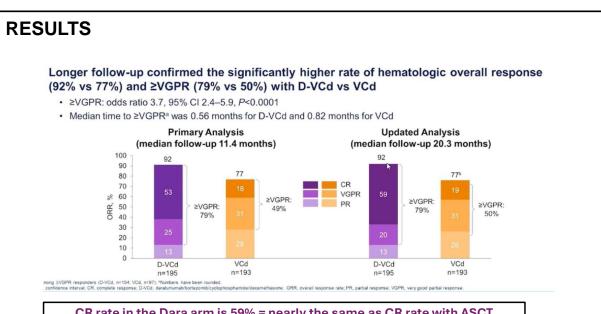
BACKGROUND

- Dose adjustments to account for organ dysfunction and to address the higher rate of toxicity in this fragile population
- Two-thirds of newly diagnosed patients are not eligible for ASCT
- For transplant ineligible patients, cytoxan-bortezomib-dexamethasone
- There is a critical need to develop targeted agents that more rapidly promote organ response with favorable tolerability profiles.



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ANDROMEDA STUDY DESIGN ANDROMEDA is a randomized, open-label, active-controlled, phase 3 study of D-VCd vs VCd alone in patients with newly diagnosed AL amyloidosis Treatment Phase Posttreatment Phase Observation until DARA SC 1800 mg Q4W Key eligibility criteria: AL amyloidosis with ≥1 organ impacted No prior therapy for AL amyloidosis or multiple myelor Cardiac stage I–IIIA (Mayo 2004) Estimated glomerular filtration rate ≥20 mL/min DARA SC 1800 mg QW major organ until major organ deterioration-PFS or Cycles 1-2 Q2W Cycles deterioration-PFS 3-6 + VCd QW × 6 cycles (if DARA SC discontinued maximum of n=195 prior to major organ 24 total cycles deterioration-PFS) VCd Observation until QW × 6 cycles major organ deterioration-PFS Stratification criteria: Major organ deterioration-PFS: A composite endpoint defined Stratification criteria: - Cardiac stage (vs. ll vs. ll/s) - Transplant typically offered in local country (yes vs. no) - Creatinine clearance (260 ml./min vs. 460 ml./min) - Primary endpoint. overall hematologic complete response rate - Secondary endpoints. major organ deteleroriation-PFS, organ response rate, time to hematologic response, overall survival, safety as end-stage cardiac disease (requiring cardiac transplant, left ventricular assist device, or intra-aortic balloon pump), endstage renal disease (requiring hemodialysis or renal transplant), hematologic progression per consensus guidelines,1 and death LEUKEMIA & LYMPHOMA SOCIETY Kastritis et al. NEJM 2021



CR rate in the Dara arm is 59% = nearly the same as CR rate with ASCT



Kastritis et al. NEJM 2021

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ORGAN RESPONSES Cardiac Response Rate at 6 and 12 Months · Cardiac response rates improved with longer follow-up, with a doubling of response when adding DARA to VCd at 12 months 6 Months 12 Months Odds ratio 3.5 Odds ratio 2.4 95% CI 1.4-4.4; P=0.0029 95% CI 2.0-6.2; P<0.0001 70 60 57 rate, 50 42 response 40 28 30 22 20 10 D-VCd (n=118) VCd (n=117) D-VCd (n=118) VCd (n=117) LEUKEMIA & LYMPHOMA SOCIETY Kastritis et al. NEJM 2021

CONCLUSIONS

- The addition of daratumumab to VCd resulted in:
 - Deeper hematologic responses
 - Increased organ responses
 - Better outcomes compared
- CRs were achieved in >50% of patients who received Dara-VCd
 - Median time to CR was 60 days
- Dara-VCd became the first (and only) FDA-approved induction regimen and is now widely accepted as a standard of care.



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MODERN ROLE OF ASCT?

Dara-CVd may increase # of patients eligible for ASCT



Dara-CVd may limit the role of ASCT for pts in a VGPR or better



SWOG S2213

Comparing Dara-VCd + ASCT to Dara-VCd for People Who Have Newly Diagnosed AL Amyloidosis



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WHEN TO USE ASCT IN THE ERA OF D-CVD?

- Achieving a VGPR after 4 cycles of Dara-CVd with an organ response
 - Continue Dara-CVd vs ASCT?
- Achieving a VGPR after 4 cycles of Dara-CVd without an organ response
 - Continue Dara-CVd vs ASCT?
 - dFLC>20? iFLC>10?
- Not achieving a PR < 2 cycles of Dara-CVd?
 - Continue Dara-CVd vs ASCT?
- Relapse <1 year of completing Dara-CVd?
 - Restart Dara-CVd vs. ASCT?



TREATMENT OPTIONS FOR RELAPSED/REFRACTORY AL AMYLOIDOSIS

Proteasome inhibitors	IMIDs	Alkylating agents	Antibodies → plasma cells
Bortezomib (Velcade) Ixazomib (Ninlaro) Carfilzomib (Kyprolis)	Lenalidomide (Revlimid) Pomalidomide (Pomalyst) Thalidomide (Thalomid)	Bendamustine (Bendeka) Melphalan (Alkeran) Propylene glycol-free melphalan (Evomela) Cyclophosphamide (Cytoxan) Melflufen (Pepaxto)	Daratumumab (Darzalex) Isatuximab (Sarclisa) Elotuzumab (Empliciti)

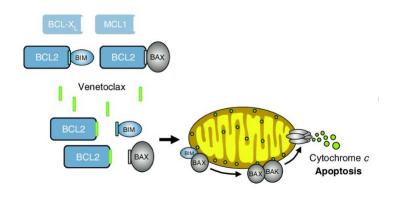
Novel targeted therapy	Novel immunotherapy	T cell redirecting therapy	Amyloid-directed therapy
Venetoclax (Venclexta) BCL-2 inhibitor Selinexor (Xpovio) Blocks XPO-1, nuclear export protein	Belantamab (Belamaf) Anti-BCMA antibody drug conjugate STI 6129 Anti-CD38 antibody drug conjugate	Teclistimab Bispecific anti-BCMA antibodies Taquestamab anti-GPRC5D Idecabtagene vicleucel (Abecma) anti-BCMA CAR T cell Citacabtagene autoleucel (Carvykti) anti-BCMA CAR T cell	NEOD001 (birtamimab) anti-LC antibody CAEL-101 (anselamimab) anti-LC antibody



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TARGETED THERAPY

40-50% of patients with AL have t (11;14) which may render patients responsive to bcl2 inhibitor (ie. venetoclax)





VENETOCLAX Premkumar 2021 BCJ [14] Current Cohort 2020 BCJ [11] Number of patients Daily doses 400 ma 100-800 mg G3+ cytopenias 1 patient (10%) with anemia and grade 3 thrombocytopenia 9% 11% G3-4 5 patients (50%) died: 3 from heart failure not attributed to venetoclas 1 from infection and 1 from an unknown cause mDOR 241 days Not reported 25 months Not reported 10.5 months Not reached

Abbreviations: ORR—overall response rate; G—grade; TLS—tumor lysis syndrome; mDOR—median duration of response; mPFS—median progression-free survival; mOS—median overall survival.* This study reported on t[11:14] MM and AL patients. Some of the data in the table are missing, as the study did not report on all variables in AL patients separately. In Premkumar et al. [14], progression-free survival was reported; in the current study, event-free survival is reported (capturing hematological progression/change in therapy for inadequate response/death as events).

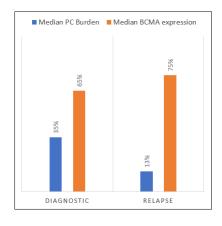
LEUKEMIA & LYMPHOMA SOCIETY'

Lebel et al. Cancers 2023

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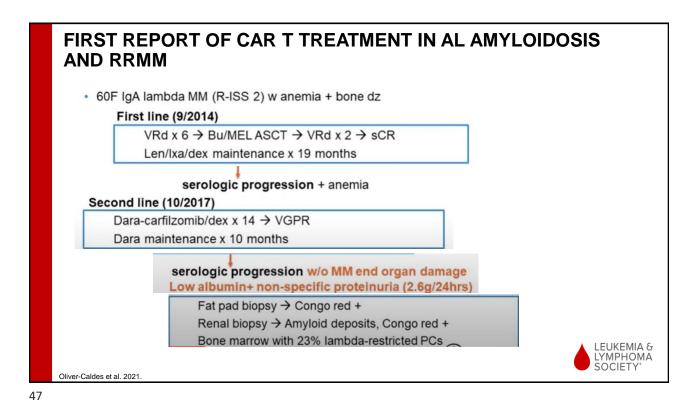
BCMA

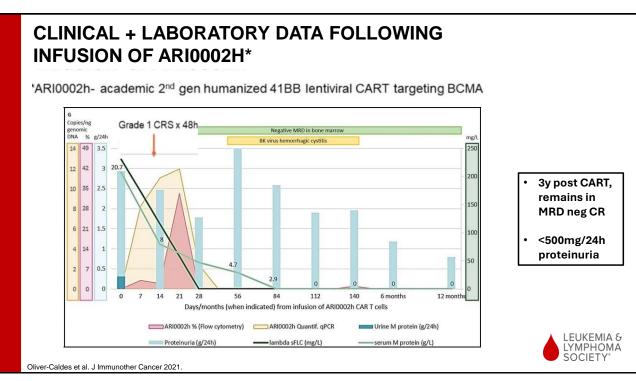
- BCMA is expressed on the surface of amyloidogenic plasma cells
- Present at diagnosis AND retained at relapse



LEUKEMIA & LYMPHOMA SOCIETY

Bal et al. ASH 2019.





Feasibility of a novel academic BCMA-CART (HBI0101) for the treatment of relapsed and refractory amyloidosis



Dr. Moshe Gatt ISA meeting, Sept. 2022

Moshe E. Gatt, Shlomit Kfir-Erenfeld, Nathalie Asherie, Sigal Grisariu, Batia Avni, Eran Zimran, Miri Assayag, Tatyana Dubnikov Sharon, Marjorie Pick, Eyal Lebel, Adir Shaulov, Yael C. Cohen, Irit Avivi, Cyrille J. Cohen, Polina Stepensky



Department of Hematology, and Department of Bone Marrow Transplantation and Cancer Immunotherapy

Hadassah Medical Center, Faculty of Medicine, Hebrew University of Jerusalem.

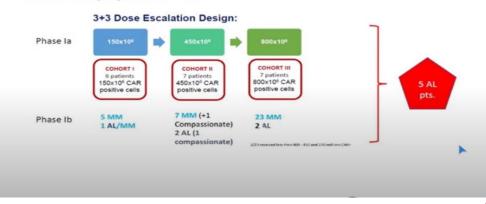




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PHASE 1 CLINICAL TRIAL OF HBI0101

- A Phase Ia\lb Dose Escalation and Safety Study of HBI0101 BCMA.CART in Relapsed Refractory Multiple Myeloma and AL amyloidosis Patients
- ✓ The Ph-la was designed as a dose-escalation 3X3 protocol. 20 pts.
- ✓ The Ph-lb is ongoing at 800 X10⁶ cells



Kfir-Erenfeld et al. Clin Cancer Res 2022.

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	Patient 1*	Patient 2	Patient 3	Patient 4** (compassionate)	Patient 5			
Age	64	58 <	82	63	64			
Gender	Male	Female	Male	Male	Male			
Involved FLC (mg/L)	155	183	87	560	71			
dFLC (mg/L)	143	177	50	550	51			
BMPCs (%)	3	15	1	15	1			
FISH cytogenetics	T11:14	T14:16 1Q+	14Q- NOS	T11:14	T11:14			
Organ involvement	Cardiac, Renal, Autonomic	Cardiac, Renal, Hepatic	Renal, GI	Cardiac, Hepatic, Lung, Soft tissue, Autonomic	Cardiac, Soft tissue, PNS			
NYHA stage	3	4	1	3	2	1		
ProBNP (pg/ml)	7500	2008	119	2773	731			
Trop T (ng/L)	60	60	8	78	18.3			
Creatinine (mmol\L)	80	72	110	100	82			
Albuminuria (g/24h)	0.3	0.3	2.4	0.1	0.1	-	*MM	
ALKP (u/L)	45	218	84	140	84		** MDS	
MAYO stage	3a	3a	1	3a	2			
ECOG PS	0	2	0	0	1			

	Patient 1	Patient 2	Patient 3	Patient 4	Patient 5	
CAR+ cells infused (x10 ⁶)	150	450	800	450	800	
	Adverse events	of interest				
CRS	No	Yes	Yes	Yes	Yes	
CRS grade		2	3	3	1	
Time to onset (days)		2	3	1	2	
CRS duration (days)		2	4	1	1	
Tocilizumab use (number of doses)	0	1	3	1	1	
Steroids use	No	No	Yes	No	No	
Vasopressor use	No	No	Yes	No	No	
High flow oxygen use	No	No	Yes	Yes	No	
ICANs	No	No	No	No	No	

RESULTS - EFFICACY

	Patient 1	Patient 2	Patient 3	Patient 4	Patient 5
CAR+ cells infused (x10 ⁶)	150	450	800	450	800
Best hematologic response	CR	CR	CR	CR	CR
iFLC at best response (mg/L)	0.6	0.9	1	7	0.4
dFLC at best response (mg/L)	0	0	0	1.4	0.2
MRD (10 ⁻⁵) negativity at Day 30 , Day 180	Yes, Yes	Yes, Yes	Yes	Yes	Yes
Time to best confirmed response (days)	27	57	17	17	30
Follow up (months)	10.5	12	10	8	1.5
DOR	9.5 (died in CR)	10	9 (ongoing)	4	NA
Organ response	Yes	Yes	Yes	Yes	NA
Delta response (% reduction) proBNP (pg/ml)/	-4800 (-64%)	-1295 (-64%)	NA	-1872 (-68%)	NA
Albuminuria (g/d)	NA	NA	-3.03 (-100%)	NA	NA
NYHA change	III to II	IV to II	NA	III to II	NA
Additional organ responses	NA	Hepatic: 280 to 150	No edema	NA	NA
Alk Phos (u/l)		No ascites			



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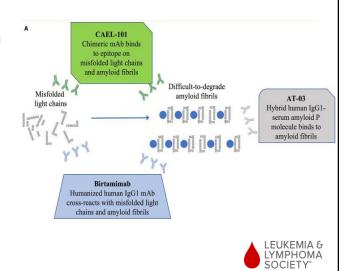
BISPECIFIC ANTIBODIES

Trials using Teclistamab, Elranatanamb, ABBV 383 are in development in AL amyloidosis



FIBRIL-DIRECTED THERAPIES

- NEOD001(Birtamimab): humanized IgG1 mAb that cross reacts with misfolded LCs and amyloid fibrils
- · CAEL101 (Anselamimab): chimeric mAb binds to epitope on misfolded LCs and fibrils
- AT-03: Fusion protein comprising serum amyloid protein (SAP) linked to a single-chain human IgG1 Fc domain



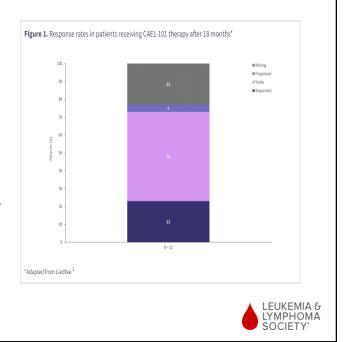
Dima et al. Clinical Reviews 2023

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ANTI-AMYLOID FIBRILS

CAEL101

- Phase I/II trial evaluating the safety and tolerability of CAEL-101 in 25 patients with AL amyloidosis.
 - PART A: CAEL 101 + CYBORD
 - PART B: CAEL 101 + Dara CYBORD
- Cardiac response 23%
- Well tolerated, no evidence of organ toxicity. Most TEAEs were mild or moderate in severity



Liedtke et al. EHA 2023

ANTI-AMYLOID FIBRILS

CAEL101

- Phase III trial in Stage IIIA/Stage IIIB cardiac AL amyloidosis
 - Ongoing trial



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CONCLUSIONS

- The addition of Daratumumab to frontline setting has completely changed the treatment algorithm in AL amyloidosis
 - May decrease or increase the use of ASCT which is currently being studied
- Immunotherapies such as CART and BsAbs look very promising
 - These have unique toxicities
- Anti-fibrillar therapies may complement immunotherapies/chemotherapy



Secondary Malignancies and CAR T

Cindy Varga, MD

Associate Professor
Department of Hematologic Oncology and Blood Disorders
Plasma Cell Disorders Division
Charlotte, NC



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FOOD AND DRUG ASSOCIATION

- October 31, 2023
 - FDA aware of 22 cases of T cell cancers after tx with 5 of 6 CAR T products
 - In 3/22 cases for which genetic sequencing has been performed, the CAR transgene has been detected in the malignant clone
 - May present as soon as weeks following infusion
- November 2023
 - FDA issued a warning about a risk of secondary cancers particularly T cell malignancies including chimeric antigen receptor CAR-positive lymphoma— that may be associated with BCMA- or CD19-directed autologous CAR T cell immunotherapies



FOOD AND DRUG ASSOCIATION

- January 2024
 - The agency formed label changes for each of the 6 approved CAR T-cell products
 - **Boxed warning** revisions were made to indicate the risk of developing secondary T-cell malignancies following treatment



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BLOOD JOURNAL- MARCH 2024

- FDA Adverse Event Reporting System (FEARS) reported on secondary primary malignancies (SPMs) in an issue of **Blood Journal**
- The study authors analyzed 12,394 unique CAR TAE reports
 - 536 (4.3%) secondary primary malignancies (SPMs) were identified
- Leukemias made up 61.2% (n = 333/536) of the SPMs and 2.7% of all CART AE reports (n = 333/12,394)
 - Myelodysplastic syndromes made up 38.8%, and acute myeloid leukemia made up 19.8%



Elsallab M et al. *Blood*. 2024. doi.10.1182/blood.2024024166.

BLOOD JOURNAL- MARCH 2024

- Skin neoplasms were the second most common
 - 10.1% of patients and 0.4% of all CAR T reports
 - non-melanoma skin neoplasms (7.8%), and skin melanomas (2.2%)
- In 3.2% of reports, **T-cell NHLs** were identified:
 - 12 large T-cell lymphomas, 3 peripheral T-cell lymphoma, 1 angioimmunoblastic T-cell lymphoma, 1 enteropathyassociated T-cell lymphoma

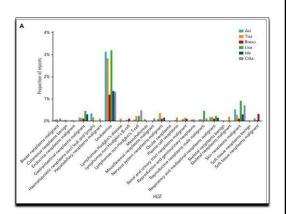
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Elsallab M et al. *Blood*. 2024. doi.10.1182/blood.2024024166.

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MDS/AML

- Reporting odds ratio (ROR) MDS:
 - Axi-cel (ROR, 3.5; 95% CI, 2.9-4.2)
 - Tisa-cel (ROR, 1.3; 95% CI, 1.0-1.8)
 - Liso-cel (ROR, 4.6; 95% CI, 2.4-8.5)
 - Ide-cel (ROR, 2,8; 95% Cl, 1.2-6.7)
 - Cilta-cel (ROR, 6.7; 95% Cl, 3.3-13.5)
- Reporting odds ratio (ROR) AML
 - Tisa-cel (ROR, 1.5; 95% CI, 1.2-2.0)
 - Cilta-cel (ROR, 4.1; 95% CI, 1.3-2.8)





Elsallab M et al. *Blood*. 2024. doi.10.1182/blood.2024024166

CARTITUDE-1: LATE RELAPSE

- After median follow-up of 33.4 months, a total of <u>26 Secondary</u> <u>Primary Malignancies (SPMs) (26%)</u> were reported out of 98 study participants
 - Hematologic (n=10)
 - 7 MDS, 3 AML, 1 B cell lymphoma
 - Skin cancers (n=8)
 - 4 BCC, 3 SCC, 2 invasive melanoma
 - Other (n=8)





Berdeja et al. Lancet. 2021.

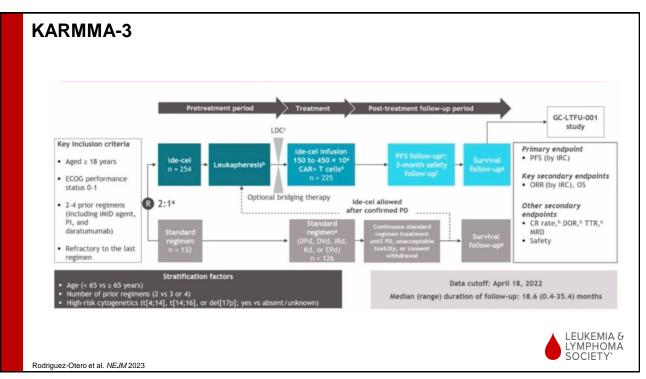
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CARTITUDE-4 - EARLY RELAPSE Figure 1. Study design* SOC arm Screening Randomization Inclusion criteria: Age ≥18 years with MM 1-3 prior LOTs (including PI + IMID) Len refractory ECOG PS ≤1 1:1 randomization Cilta-cel arm Stratified by: Day 1-112: Day 1: Choice of PVd or DPd Bridging PVd or DPd Cilta-cel infusion ISS stage Exclusion criteria: and PK/PD data every 28 days (Target: 0.75 × 10⁶ Prior CAR-T with BCMA targeting therapy Number of prior LOT Primary endpoint: PFS Secondary endpoints: ≥CR, ORR, MRD negativity, OS, safety, PROs LEUKEMIA & LYMPHOMA SOCIETY San Miguel et al. NEJM 2023.

CARTITUDE-4: SPMS Supplemental Table 6. Second primary malignancies after treatment with cilta-cel or standard care (safety population) After a F/U of 15.9 months... (n=208) (n=208) Patients with second primary 9 (4.3) 14 (6.7) malignancies Cutaneous/noninvasive malignancies 5 (2.4) 10 (4.8) Basal cell carcinoma 2 (1.0) 7 (3.4) Bowen disease 0 2 (1.0) Lip squamous cell carcinoma Λ 1 (0.5) Malignant melanoma 1 (0.5) 0 Malignant melanoma in situ 1 (0.5) Ω Squamous cell carcinoma of skin 2 (1.0) 4 (1.9) 3 (1.4) Acute myeloid leukemia 1 (0.5) Myelodysplastic syndrome 1 (0.5)a Peripheral T-cell lymphoma 1 (0.5) 1 (0.5) 1 (0.5) Pleomorphic malignant fibrous 0 1 (0.5) histiocytoma 1 (0.5) Tonsil cancer 1 (0.5) ^aAt study entry, patient had essential thrombocythemia. LEUKEMIA & LYMPHOMA SOCIETY

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San Miguel et al. NEJM 2023



KARMMA-3

San Miguel et al. NEJM 2023.

Table S11. Second Primary Malignancy (Safety Population).

Second primary malignancy category Second primary malignancy subcategory Preferred term	lde-cel (n=225)	Standard regimens* (n=126)
	Patie	ents — no. (%)
Any second primary malignancy	13 (6)	5 (4)
Invasive second primary malignancy	9 (4)	3 (2)
Hematological malignancy	3 (1)	0
Myelodysplastic syndrome	2 (1)	0
Acute myeloid leukemia	1 (<1)	0
Solid tumor	6 (3)	3 (2)
Malignant melanoma	2 (1)	0
Breast cancer (of bilateral origin)	1 (<1)	0
Breast cancer	1 (<1)	0
Rectal adenocarcinoma	1 (<1)	0
Small intestine adenocarcinoma	1 (<1)	0
Gastrointestinal stromal tumor	0	1 (1)
Lentigo maligna	0	1 (1)
Bronchial carcinoma	0	1 (1)

The median time to onset of myeloid neoplasm from ide-cel infusion 338 days (range 277 to 794).



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PATHOPHYSIOLOGY FOR SPMS?

- Is it the CAR-T itself or the immunosuppressive microenvironment that participates in the **malignant clonal evolution?**
- Insertional oncogenesis due to insertion of a viral vector near an oncogene?



STANFORD STUDY

- Study looked at over 700 patients treated with CAR T at Stanford Health Care
 - SPMs around 6.5% in the three years after therapy
 - In the case of a fatal secondary T-cell cancer, researchers attributed it to the immunosuppression caused by CAR-T cell therapy, rather than the CAR-T therapy itself
 - Researches looked at protein levels, RNA sequences and DNA from single cells across multiple tissues and time points
 - Lymphoma was already brewing in their body at very low levels



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CLONAL HEMATOPOIESIS OF INDETERMINATE POTENTIAL (CHIP)

- Expansion of subclonal populations of hematopoietic cells with mutations in genes associated with myeloid malignancies in otherwise healthy people with normal hematologic parameters
- Affecting at least 10% of people >70 years old
- Most common mutations occur in the epigenetic modifiers DNMT3A, TET2, and ASXL1
 - frequently seen in **older people and in cancer patients** who underwent chemotherapy or radiotherapy
- Risk of transformation to malignancy is approximately 0.5% to 1% per year (=MGUS to MM)



CLONAL CYTOPENIA OF UNDETERMINED SIGNIFICANCE (CCUS)

- Persistent cytopenias with genetic aberrations, which do not meet the diagnostic criteria for MDS
- 75% chance of developing myelodysplastic syndromes (MDS) or a related condition within four to five years
- Number and size of mutations is the strongest predictor for progression to a myeloid malignancy



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PREVALENCE OF CHIP IN MULTIPLE MYELOMA

Retrospective study:

- 101 MM patients, the majority exposed to > 2 years of Len
- Stored mononuclear blood samples were sent for NGS using a panel encompassing 42 gene mutations
- · Thirty patients were found to have CHIP
 - DNMT3A (12%), TET2 (5%), and TP53 (4%)
 - 33% had > 1 mutation
- At 68 months median follow up, 13% developed subsequent malignancy/premalignant condition including MDS (3%)
- No significant difference in age, gender, duration of Len or survival in those with versus without a CHIP mutation



Padmos et al. ASCO Conference 2020: Abstract 8542

CHIP AT THE TIME OF ASCT IN MM

Retrospective Study:

- Sequencing of the **stem cell product** from 629 MM patients at DFCI (2003–2011) detected CHIP in 136/629 patients (21.6%).
- 3.3% of patients who received **IMiD maintenance** developed a therapy-related myeloid neoplasm (TMN).
- However, regardless of CHIP status, the use of IMiD maintenance was associated with improved PFS and OS.
- In those not receiving IMiD maintenance, CHIP is associated with decreased OS (HR:1.34, p = 0.02) and PFS (HR:1.45, p < 0.001) due to an increase in MM progression rather than from SPM.
- Hyperinflammatory phenotype induced by CHIP might contribute to MM progression?



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CHIP AT TIME OF CAR T

- Two recent studies have found that the incidence of CHIP in adult patients enrolled on CAR T trials was 34% - 48%
 - Incidence is 5% to 10% in a similarly aged healthy population
- Three recent studies have investigated the impact of preexisting CHIP on the <u>safety</u> and <u>efficacy</u> of CAR T-cell therapy



Uslu et al. Blood Cancer Discov 2022;3:382-4; Miller et al. Blood Advances 2021; Teipel et al Blood Advances 2022

CHIP AT TIME OF CAR T

- Saini et al. Blood Cancer Discov 2022
 - A total of 114 large B-cell lymphoma patients treated with CD19 CAR T-cell were analyzed
 - Median age was 63
 - Somatic mutations were detected in pretreatment peripheral blood samples of 36.8% of the patient population.
 - The rate of grade ≥3 ICANS was significantly higher in patients with CHIP.
 - Higher toxicities with somatic mutations in the genes DNMT3A and TET2
 - No differences in CAR T-cell response rates or overall survival were observed between cohorts



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CHIP AT TIME OF CAR T

- Miller et al. Blood Advances 2022
 - Reported on 154 CAR T cell-treated NHL and MM patients
 - CHIP-associated genes were detected in 48% of the study population
 - CHIP was associated with increased rates of CRS severity AND a higher rate of complete responses.
 - Only seen in patients younger than 60 years
 - · No differences in overall survival



CHIP AT TIME OF CAR T

- Teipel et al. Blood Advances 2022
 - 34% of the study population had mutations in CHIP-associated genes, mainly in DNMT3A and TP53
 - No significant differences were observed in the occurrence and severity of CRS or ICANS
 - No difference in outcome and overall survival



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UNANSWERED QUESTIONS

- Affect therapy response through CHIP-harboring engineered immune cells itself?
- Interplay with the host immune system and tumor microenvironment?
- Does the size of the CHIP clone matter?



SUMMARY

- CHIP appears to be associated with increased severity of CRS and ICANS
- CHIP might affect T- cell programming/expansion and enhance CAR-T cell activity
- New strategies involving targeting insertion of the CAR construct to specific loci might help reduce the risk of cancers
- Benefits of CAR T cell therapies continue to outweigh the risks for the approved indications
- Patients should be monitored life-long for new malignancies



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Clinical Use of MRD Testing in Myeloma

Edward A. Stadtmauer, MD

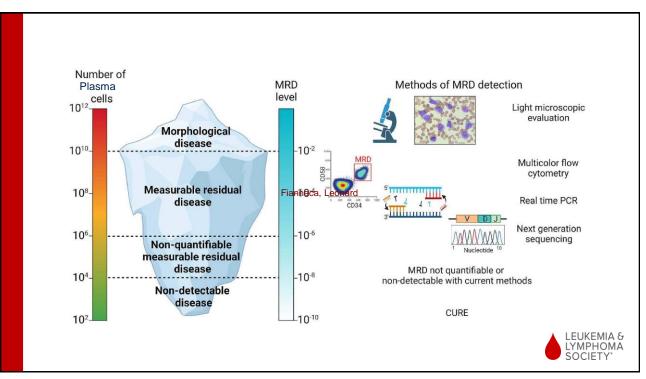
Section Chief, Hematologic Malignancies Roseman, Tarte, Harrow, and Shaffer Families' President's Distinguished Professor University of Pennsylvania Abramson Cancer Center Philadelphia, PA

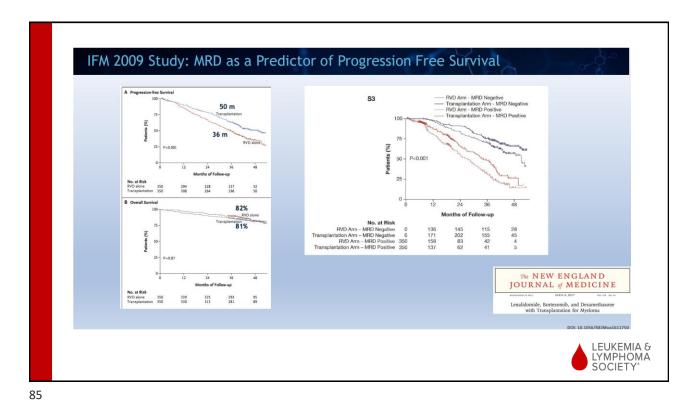
CASE PRESENTATION

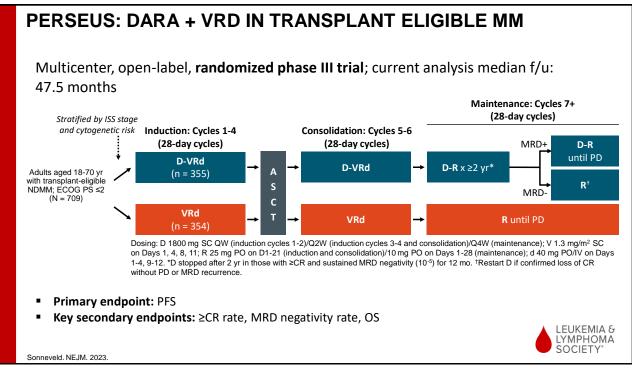
- ➤ 45-year-old female with history of IgG kappa MM, R-ISS 1, with no high-risk cytogenetic abnormalities. She initially presented with anemia and moderate hypercalcemia.
- ➤ The patient received induction therapy with dara-VRd, followed by melphalan 200 mg/m2 ASCT, then lenalidomide maintenance therapy. Best response was sCR, MRD-negative (10-6), PET/CT-negative.
- ➤ Repeat BM biopsy at 2 years post-ASCT shows sustained MRD-negativity (10-6). She has remained on lenalidomide maintenance, which she is tolerating relatively well except for mild insomnia.

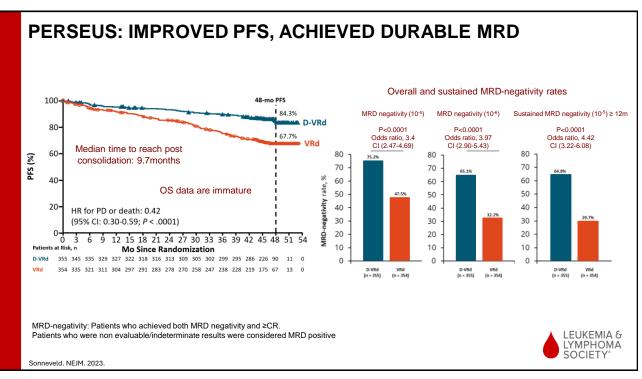


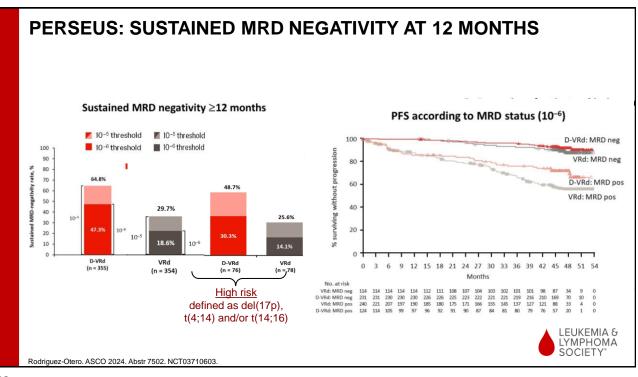
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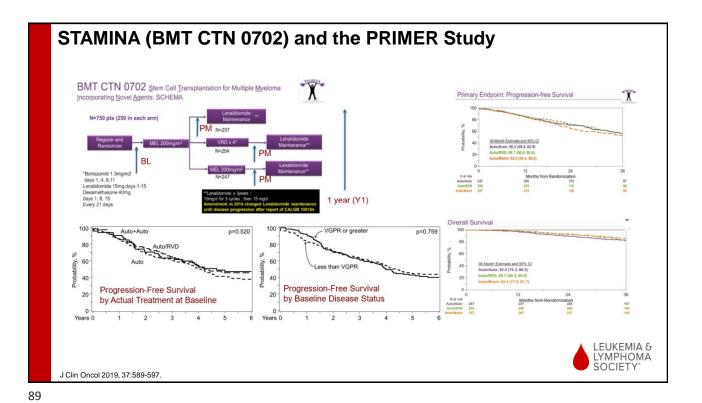












STAMINA (BMT CTN 0702) and the PRIMER Study Primer Sub Study: 435 patients consented to the MRD panel which included $BMT\ CTN\ 0702\ \underline{\textbf{S}} \\ tem\ Cell\ \underline{\textbf{T}} \\ ransplantation\ for\ Multiple\ \underline{\textbf{M}} \\ yeloma$ 10 monoclonal antibodies measured via 6-color MFC. MRD was measured at Incorporating Novel Agents: SCHEMA Baseline/preAutoHCT (BL), Pre-maintenance (PM), and 1 year (Y1) post AutoHCT with a sensitivity of 10-5 to 10-6. N=750 pts (250 in each arm) MRDneg at 1 year post AutoHCT with lenalidomide maintenance was prognostic for improved 6-year PFS and OS. 100 В ΒI "Bortezomib 1.3mg/m2 days 1, 4, 8,11 Lenalidomide 15mg days 1-15 Dexamethasone 40mg 60 60 40 40 1 year (\ 20 20 85 95 60 60 115 158 MRD Negative 80 80 MRD N С 100 D 60 60 80 80 40 40 60 60 20 20 20 20 160 29 238 65 BL MRD Status and PFS (A), and OS (B) PM MRD Status and PFS (C) and OS (D) Y1 MRD Status and PFS (A), and OS (B) LEUKEMIA & LYMPHOMA

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J Clin Oncol 2019, 37:589-597. J Clin Oncol. 2024 Aug 10;42(23):2757-2768.

SOCIETY

FDA ODAC VOTED 12-0 TO RECOMMEND MRD AS A MM ENDPOINT



On April 12, 2024, FDA ODAC voted 12-0 in favor of using minimal residual disease (MRD) as an accelerated approval endpoint in multiple myeloma clinical trials

Conclusion: The Applicants have worked with the broader MM community to develop a novel endpoint of MRD that has the potential to expedite drug development in MM. While there are still outstanding questions on how to best use MRD, the meta-analyses conducted **(University of Miami and IMF led i2TEAMM)** represent robust assessments of MRD that support its prognostic value, provide information regarding the appropriate timing of MRD assessment, and suggest that MRD may be appropriate to use as an intermediate clinical endpoint to support accelerated approval.

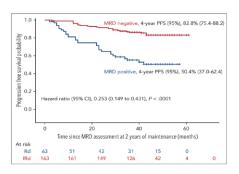
Penn Medicine
Abramson Cancer Center

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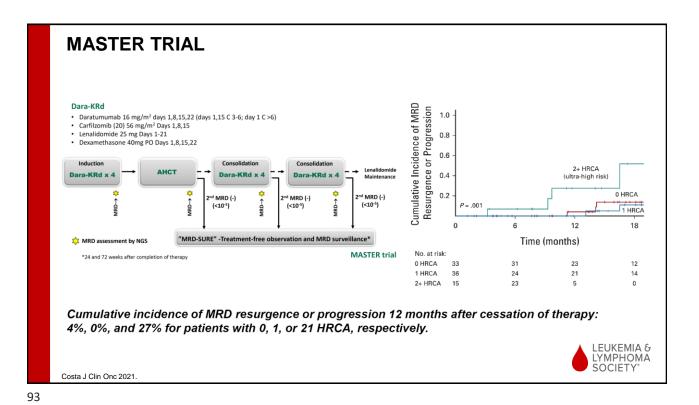
ROSIÑOL STUDY: MAINTENANCE THEARPY DISCONTNUTION IN PTS WITH SUSTAINED MRD NEGATIVITY

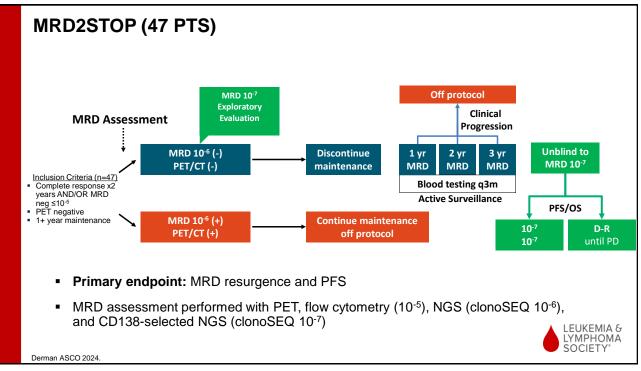
- Prior VRd induction → ASCT → VRd consolidation
- · Randomization:
 - Rd (len-dex) maintenance x2 years
 - IRd (ixa-len-dex) maintenance x2 years
- MRD assessment after 2-years:
 - MRD positive → Rd x3 years
 - MRD negative → DISCONTINUE therapy (EuroFlow, 2 x 10-6)
- RESULTS
 - 332 patients enrolled
 - · (similar PFS in Rd and IRd arms)
 - 163 patients MRD negative → DISCONTINUED therapy → 4-year PFS 83%
 - 63 patients MRD positive → CONTINUED Rd → 4-year PFS 50.4%

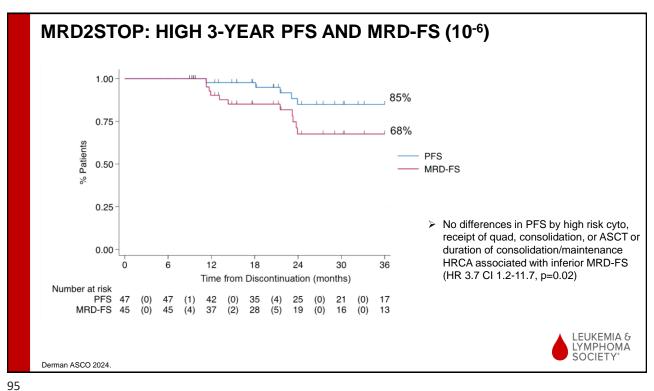


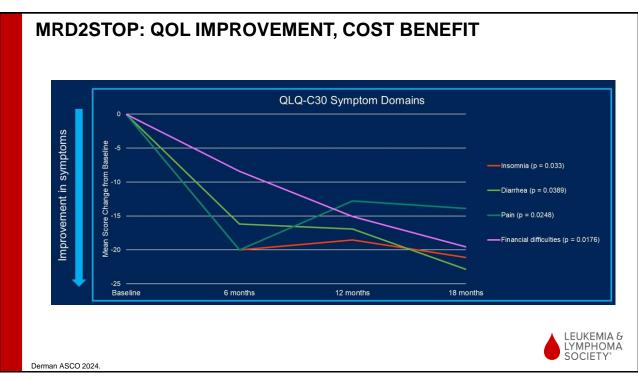
LEUKEMIA & LYMPHOMA SOCIETY°

Rosiñol et al., *Blood* (2023) 142 (18): 1518-1528





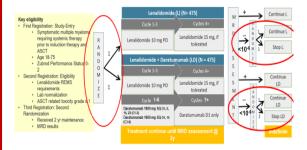




The DRAMMATIC (S1803/BMT CTN 1706) TRIAL

DRAMMATIC Trial Schema

NCT04071457



- . Registration Step 1: "baseline specimen for ID (B-cell clonality) mandatory as of Feb 2024 1174/1420 enrolled
- Registration Step 2: within 180 days after ASCT (1st randomization) as of Feb 2024 1071/1214
- Registration <u>Step 3</u>: completed 24 months of maintenance and MRD-neg + ≥VGPR (*<10⁻⁶) (2nd randomization) as of Feb 2024 551

PERSEUS and DRAMMATIC asked different questions?

Questions PERSEUS asked:

- Does adding Dara to VRD-AHCT- $R_{\mbox{\scriptsize main}}$ platform improve PFS?
- $\bullet \ \ \text{Does adding Dara to VRD-AHCT-R} \\ \text{main platform improve MRD-neg rates/durability?}$

PERSEUS was not designed to answer the question whether single agent vs. Dara-based doublet maintenance treatment is superior after AHCT, and if <u>all</u> maintenance can be discontinued after achieving deep MRD-negativity.

Questions DRAMMATIC is asking:

- Does Dara added to R_{main} improve OS?
- Does Dara added to R_{main} improve MRD-neg rates?
- Can deep MRD-neg (10⁻⁶ threshold) determine duration of maintenance therapy?



Chhabra BMT CTN Steering Committee Meeting Feb 2024

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WHAT IS BEST MRD TEST?

MRD assessment using BM based methods remains the gold standard

Comparison between flow cytometry and NGS methods have been performed and suggest they are comparable

The availability, cost, prognostic power, and consistency are important factors to consider.

 Imaging methods provide additional information particularly regarding extramedullary disease and high risk MM.

Combining both MRD methods seems optimal for patients care.



Blood. 2020;136(Supplement 1):44-45 Blood. 2021;138(Supplement 1):82. Blood Cancer J. 2020;10(10):108.. Br J Haematol. 2022;198(3)515-522

SUMMARY

- MRD assessment methods allow identification of patients with deep hematologic response and should be incorporated into all MM clinical trials.
- Bone marrow-based methods using NGF and NGS are the most available, standardized, and sensitive methods.
- Whole body imaging should be combined with BM MRD assessment provide better evaluation especially in the setting of high risk cytogenetic and extramedullary disease.
- Achievement of MRD negativity is a very strong prognosis factor that is now an established endpoint in myeloma clinical trials
- Persistent or sustained MRD negativity portends better outcome in newly diagnosed and relapsed refractory disease, including after CAR T cell therapy in myeloma
- As of now, there is insufficient data to utilize results of MRD testing to make <u>individual MM</u>
 patient treatment decisions. Several clinical trials are currently ongoing to establish if MRD can
 be used to guide therapy and to monitor disease activity.



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CASE PRESENTATION

- ▶ 45-year-old female with history of IgG kappa MM, R-ISS 1, with no high-risk cytogenetic abnormalities. She initially presented with anemia and moderate hypercalcemia.
- ► The patient received induction therapy with dara-RVd, followed by melphalan 200 mg/m2 ASCT, then lenalidomide maintenance therapy. Best response was sCR, MRD-negative (10-6), PET/CT-negative.
- Repeat BM biopsy at 3 years post-ASCT shows sustained MRD-negativity (10-6). She has remained on lenalidomide maintenance, which she is tolerating relatively well except for mild insomnia.



Penn Myeloma Program

- ► Edward Stadtmauer, MD
- ► Dan Vogl, MD
- Adam Cohen, MD
- Alfred Garfall, MD
- Adam Waxman, MD
- Sandra Susanibar Adaniya, MD
- ► Shivani Kapur, MD
- ► Patricia Mangan, CRNP
- ► Mcinerney, Jillian CRNP
- ► Michelle Biala, CRNP
- ► Leah Power, CRNP
- ► Beggache, Meriem, CRNP
- ► Bree Vaotogo, RN
- ► Theresa Sabato, RN
- ► Amy Baldwin, RN

- ► Danielle Pollack, RN
- ► Gabrielle Digrazio, RN
- Sara Whittington, RN
- Samantha Le, RN
- Oksana de Mesa, RN
- ► Danielle Zubka, RN
- ► Justice Steed, RN
- Maria Raguza-Lopez
- ► Gulgule, Zachary V
- Cynthia Diaczynsky
- Anjana Nair
- Karin Vislocka
- ► Abbie Etzweiler
- ► Christine Nocera
- ► Girgis, Sarah M
- Fiannaca, Leonard



Center for Cellular Immunotherapies

- Carl June, MD
- ► Michael Milone, MD, PhD
- ► Bruce Levine, MD
- Don Siegel, MD, PhD
- ► Simon Lacey, PhD
- ► Jos Melenhorst, PhD
- ► Regina Young, PhD
- ► Gabriela Plesa, PhD

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- ☐ Fact Sheets for HCPs: www.LLS.org/HCPbooklets
- ☐ Videos for HCPs: www.LLS.org/HCPvideos
- Podcast series for HCPs: www.LLS.org/HCPpodcast







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FREE LLS RESOURCES FOR PATIENTS

- Information Specialists Personalized assistance for managing treatment decisions, side effects, and dealing with financial and psychosocial challenges (IRC).
 - www.LLS.org/IRC
- □ Clinical Trial Nurse Navigators RNs and NPs provide a personalized service for patients seeking treatment in a clinical trial, sift through the information and provide information to bring back to their HC team (CTSC).
 - www.LLS.org/CTSC
- Nutrition Education Services Center one-on-one consultation with a registered dietician for patients/caregivers of all cancer types (NESC).
 - www.LLS.org/Nutrition
- ☐ Reach out Monday—Friday, 9 am to 9 pm ET
 - o Phone: (800) 955-4572
 - o Live chat: www.LLS.org/IRC
 - Email: www.LLS.org/ContactUs
 - o HCP Patient Referral Form: www.LLS.org/HCPreferral







FREE LLS RESOURCES FOR PATIENTS AND CAREGIVERS

- Webcasts, Videos, Podcasts, Booklets:
 - www.LLS.org/Webcasts
 - www.LLS.org/EducationVideos
 - www.LLS.org/Podcast
 - www.LLS.org/Booklets





■ www.LLS.org/Myeloma

■ Support Resources

- ☐ Financial Assistance: www.LLS.org/Finances
 - Urgent Need
 - Patient Aid
 - Travel Assistance
- ☐ Other Support: www.LLS.org/Support
 - LLS Regions
 - Online Weekly Chats Facilitated by Oncology SW
 - LLS Community Social Media Platform
 - First Connection Peer to Peer Program





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