Year in Review — Clinical Investigators Provide Perspectives on the Most Relevant New Publications, Data Sets and Advances in Oncology: Multiple Myeloma

> Thursday, January 28, 2021 5:00 PM – 6:00 PM ET

Faculty Rafael Fonseca, MD Jonathan L Kaufman, MD



YiR Multiple Myeloma Faculty



Rafael Fonseca, MDGetz Family Professor of CancerDirector for Innovation and Transformational RelationshipsInterim Executive Director of the Mayo Clinic Comprehensive Cancer CenterChair, Department of Internal MedicineDistinguished Mayo InvestigatorMayo Clinic in ArizonaPhoenix, Arizona



Jonathan L Kaufman, MD Associate Professor of Hematology and Medical Oncology Winship Cancer Institute of Emory University Atlanta, Georgia



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Dr Love — Disclosures

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



Dr Fonseca — **Disclosures**

Advisory Committee	Adaptive Biotechnologies Corporation, ONCOtracker Inc
Consulting Agreements	AbbVie Inc, Aduro Biotech, Amgen Inc, Bayer HealthCare Pharmaceuticals, Bristol-Myers Squibb Company, Celgene Corporation, GlaxoSmithKline, Janssen Biotech Inc, Juno Therapeutics, a Celgene Company, Kite, A Gilead Company, Merck, Novartis, ONCOtracker Inc, Pharmacyclics LLC, an AbbVie Company, Sanofi Genzyme, Takeda Oncology

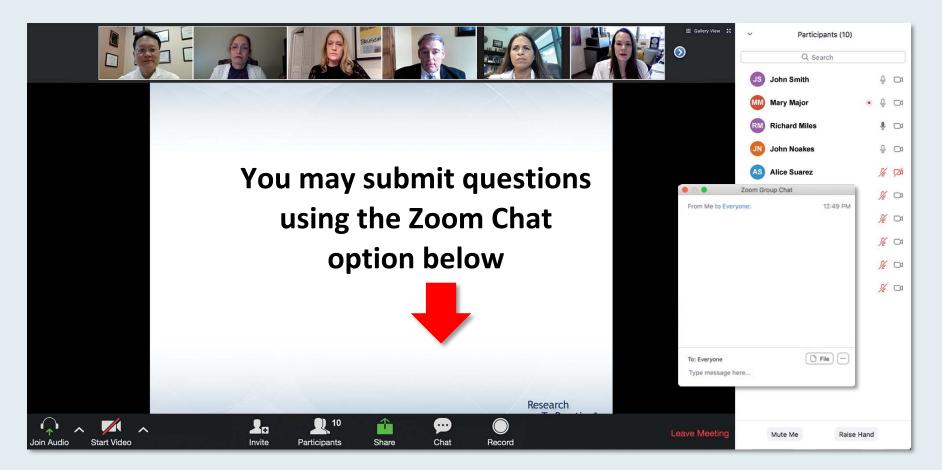


Dr Kaufman — Disclosures

Consulting Agreements	Bristol-Myers Squibb Company, Genentech, a member of the Roche Group, Janssen Biotech Inc, Tecnofarma
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Data and Safety Monitoring Board/Committee	TG Therapeutics Inc



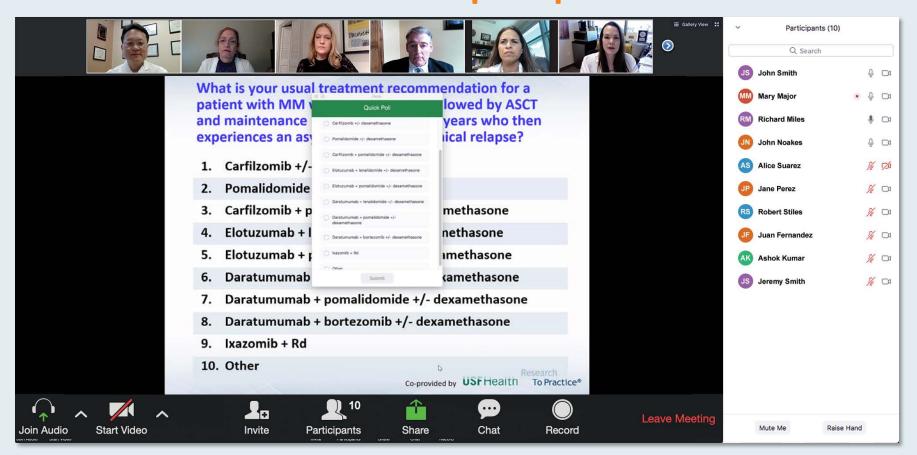
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Familiarizing Yourself with the Zoom Interface How to answer poll questions



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ONCOLOGY TODAY WITH DR NEIL LOVE

Key Presentations on the Treatment of Multiple Myeloma from the 2020 ASH Annual Meeting



DR SAGAR LONIAL WINSHIP CANCER INSTITUTE EMORY UNIVERSITY SCHOOL OF MEDICINE









Dr Sagar Lonial Key Presentations on t Oncology Today with Dr Neil Love —

(15) (30)

Year in Review — Clinical Investigators Provide Perspectives on the Most Relevant New Publications, Data Sets and Advances in Oncology: Bladder Cancer and Renal Cell Carcinoma

> Tuesday, February 2, 2021 5:00 PM – 6:00 PM ET

Faculty Sumanta K Pal, MD David I Quinn, MBBS, PhD



Recent Advances in Hematologic Oncology: A 4-Part Live Webinar Series Reviewing Key Data and **Presentations from the 62nd ASH Annual Meeting** Part 2 — Hodgkin and Non-Hodgkin Lymphoma Wednesday, February 3, 2021 5:00 PM - 6:00 PM ET Faculty John Kuruvilla, MD John P Leonard, MD Michael E Williams, MD, ScM **Moderator** Neil Love, MD

Cases from the Community: Investigators Discuss Emerging Research and Actual Patients with Gastroesophageal Cancers (Part 2 of a 3-Part Series)

> Thursday, February 4, 2021 5:00 PM – 6:30 PM ET

Faculty

Daniel Catenacci, MD Yelena Y Janjigian, MD Rutika Mehta, MD, MPH Zev Wainberg, MD, MSc



Meet The Professor Management of Lung Cancer Friday, February 5, 2021

12:00 PM - 1:00 PM ET

Faculty Joshua Bauml, MD



Thank you for joining us!

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







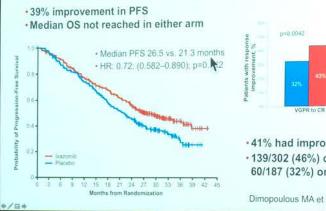








Significant Improvement in PFS with Oral Ixazomib Maintenance After ASCT in NDMM: TOURMALINE-MM3 Study Results:





1

• 41% had improvement in response • 139/302 (46%) on the ixazomib vs 60/187 (32%) on the placebo arm

.

Dimopoulous MA et al Lancet









6:30 PM – 9:00 PM Orlando, Florida

> Moderator Neil Love, MD

> > Faculty

Jesús G Berdeja, MD Sagar Lonial, MD María-Vict Mateos, MD

Nikhil C Munshi, MD Robert Z Orlowski, I Noop Year in Review — Clinical Investigators Provide Perspectives on the Most Relevant New Publications, Data Sets and Advances in Oncology: Multiple Myeloma

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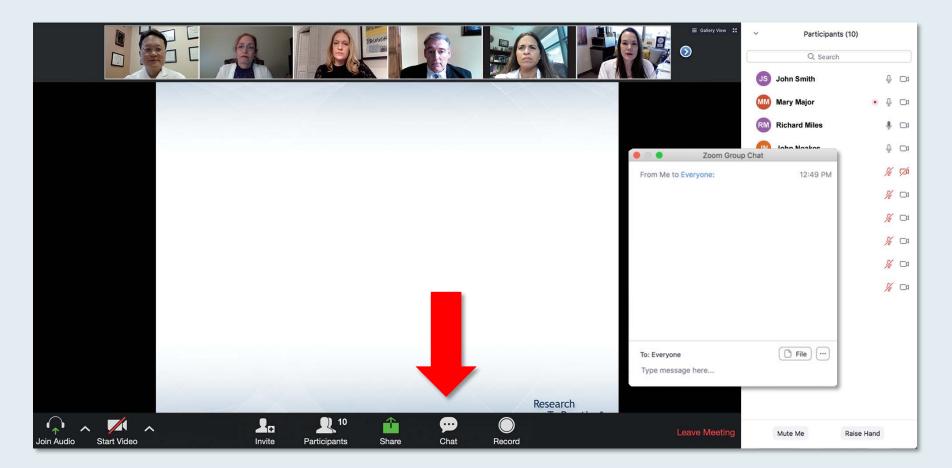
Rafael Fonseca, MDGetz Family Professor of CancerDirector for Innovation and Transformational RelationshipsInterim Executive Director of the Mayo Clinic Comprehensive Cancer CenterChair, Department of Internal MedicineDistinguished Mayo InvestigatorMayo Clinic in ArizonaPhoenix, Arizona



Jonathan L Kaufman, MD Associate Professor of Hematology and Medical Oncology Winship Cancer Institute of Emory University Atlanta, Georgia



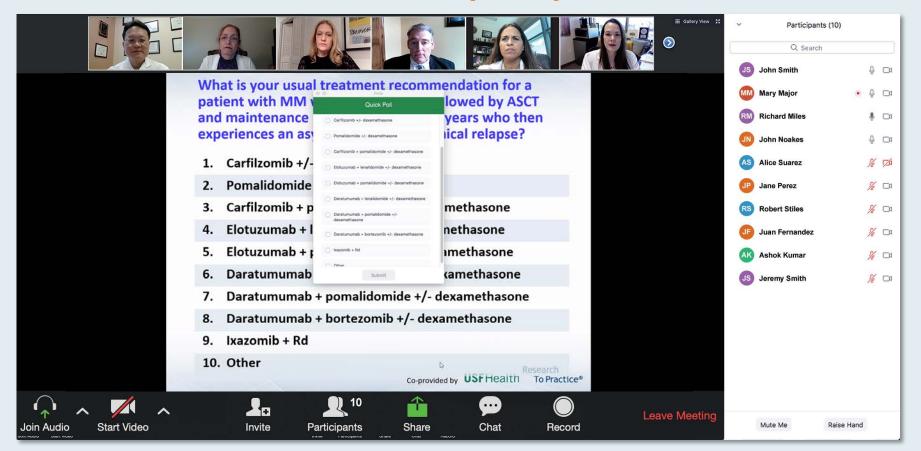
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Module 1: Up-front management

Module 2: Subcutaneous daratumumab

Module 3: Ixazomib

Module 4: Isatuximab

Module 5: Belantamab mafodotin

Module 6: Selinexor

Module 7: BCMA-directed CAR T-cell therapy; bispecifics

Module 8: Melflufen

Module 9: Cereblon E3 ligase modulators (CELMoDs)



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Module 1: Up-front management

- Key Relevant Data Sets
 - ENDURANCE: KRd vs RVd
 - GRIFFIN: Daratumumab + RVd
 - MASTER: Daratumumab + KRd induction \rightarrow MRD-based consolidation



Regulatory and reimbursement issues aside, what is your preferred induction regimen for an <u>80-year-old</u> patient with MM who is transplant ineligible with normal renal function and <u>no high-risk</u> <u>features</u>?

- 1. Rd
- 2. RVd or RVd lite
- 3. KRd
- 4. MPV/daratumumab
- 5. Rd/daratumumab
- 6. VTd (bortezomib/thalidomide/dexamethasone)/daratumumab
- 7. MPV, MPR or MPT
- 8. Other



Regulatory and reimbursement issues aside, what is your preferred pretransplant induction regimen for a younger, otherwise healthy patient with MM and del(17p)?

- 1. RVd (lenalidomide/bortezomib/dexamethasone)
- 2. KRd (carfilzomib/lenalidomide/dexamethasone)
- 3. CyBorD
- 4. Rd/daratumumab
- 5. RVd/daratumumab
- 6. KRd/daratumumab
- 7. MPV (melphalan/prednisone/bortezomib)/daratumumab
- 8. Other



Outside of a clinical trial setting, have you ordered or would you order a minimal residual disease (MRd) assay to inform the decision regarding maintenance therapy?

1. I have

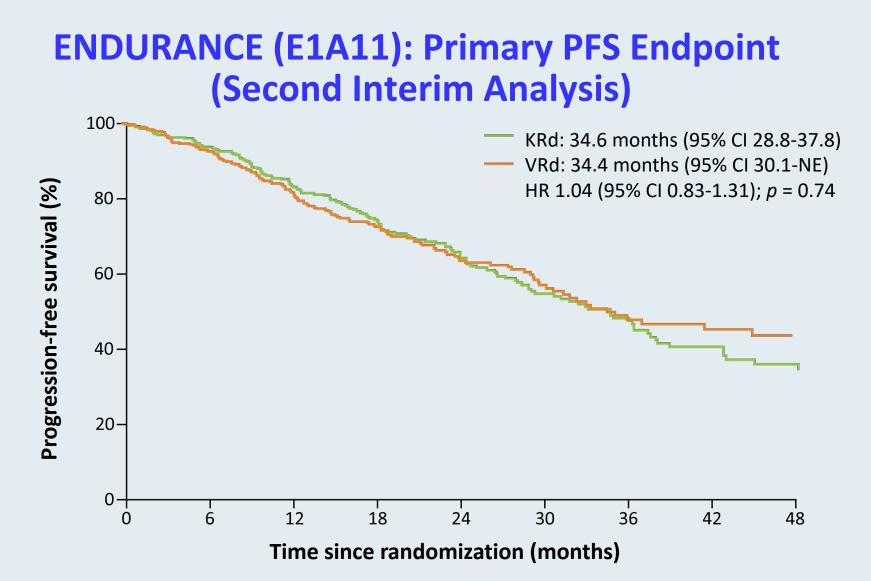
- 2. I have not but would for the right patient
- 3. I have not and would not



What is your usual recommendation for post-ASCT maintenance in patients with MM and <u>del(17p)</u> who received RVd induction therapy?

- 1. I would not use maintenance therapy
- 2. Lenalidomide +/- dexamethasone
- 3. Bortezomib +/- dexamethasone
- 4. Lenalidomide + bortezomib + dexamethasone
- 5. Ixazomib
- 6. Ixazomib + dexamethasone
- 7. Lenalidomide + ixazomib
- 8. Lenalidomide + ixazomib + dexamethasone
- 9. Other



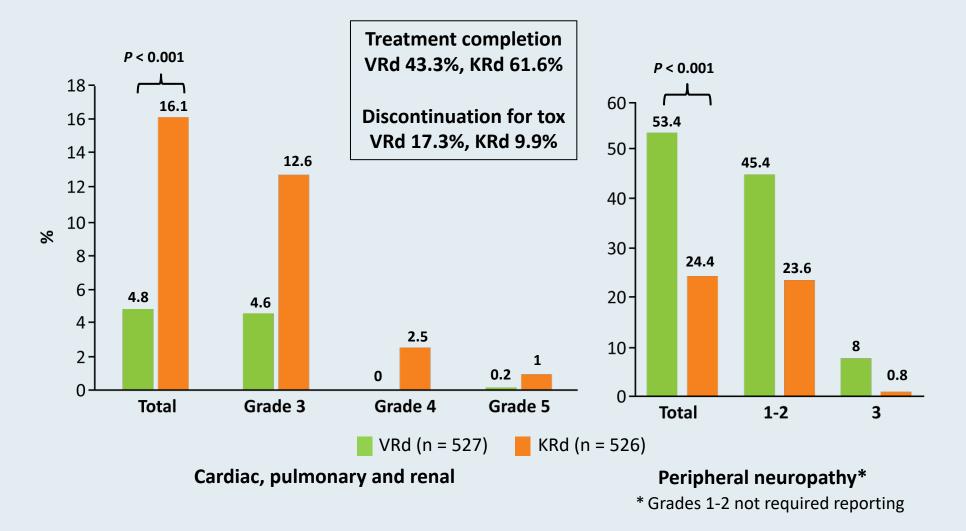


 Median OS has not been reached in either group at median follow-up of 24 months; patients will continue on long-term follow-up for overall survival



Kumar SK et al. Lancet Oncol 2020;21(10):1317-30.

ENDURANCE (E1A11): Treatment-Emergent Adverse Events of Interest



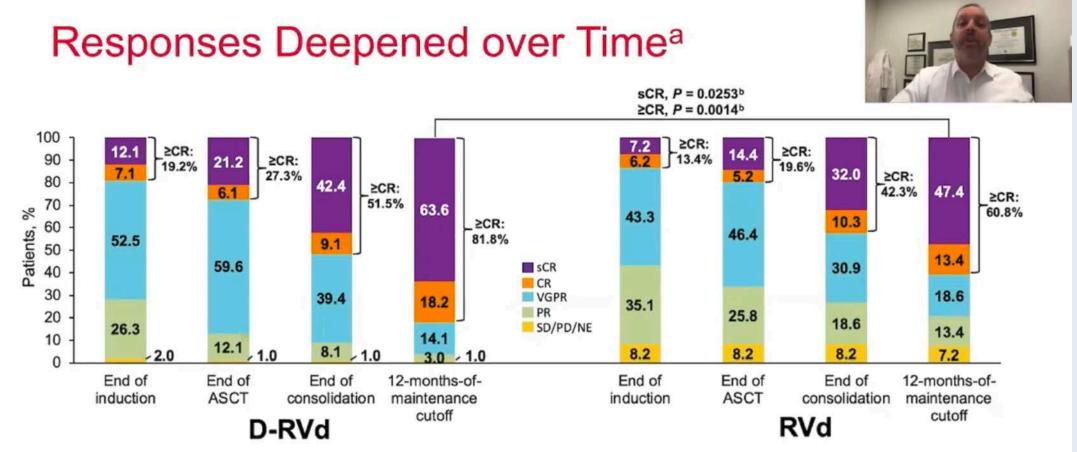


Berdeja JG. ASCO 2020 Discussant.

Daratumumab (DARA) plus Lenalidomide, Bortezomib, and Dexamethasone (RVd) in Patients with Transplant-Eligible Newly Diagnosed Multiple Myeloma (NDMM): Updated Analysis of Griffin After 12 Months of Maintenance Therapy

Kaufman JL et al. ASH 2020;Abstract 549.

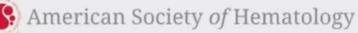




- · Results for end of induction, ASCT, and consolidation are based on a median follow up of 13.5 months at the primary analysis
- Median follow up at 12-months-of-maintenance therapy cutoff was 27.4 months

Response rates and depths were greater for D-RVd at all time points

PR, partial response. SD/PD/NE, stable disease/progressive disease/not evaluable. *Data are shown for the response-evaluable population. *P values (2-sided) were calculated using the Cochran-Mantel-Haenszel chi-square test.



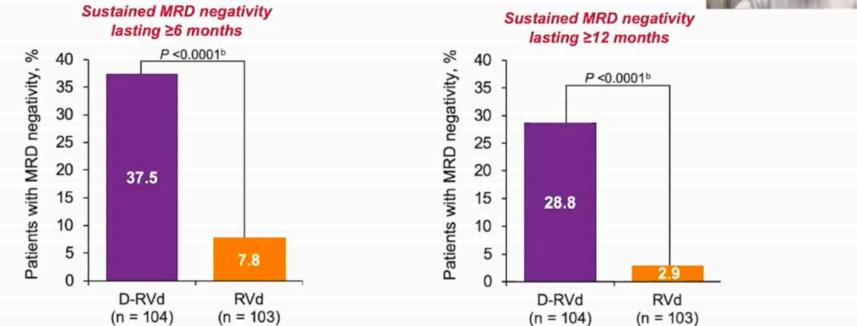
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Kaufman JL et al. ASH 2020; Abstract 549.

Durable MRD (10⁻⁵) Negativity^a Lasting \geq 6 and \geq 12 Months





• Among patients who achieved MRD negative (10⁻⁵) status, sustained MRD negativity lasting ≥12 months was noted in 30/65 (46.2%) and 3/28 (10.7%) patients

D-RVd improved rates of sustained MRD negativity versus RVd

*The threshold of MRD negativity was defined as 1 tumor cell per 10⁵ white cells. MRD status is based on the assessment of bone marrow aspirates by NGS in accordance with International Myeloma Working Group criteria. Median follow-up was 27.4 months, and MRD-negativity rates are among the ITT population. ^bP values were calculated using the Fisher's exact test.

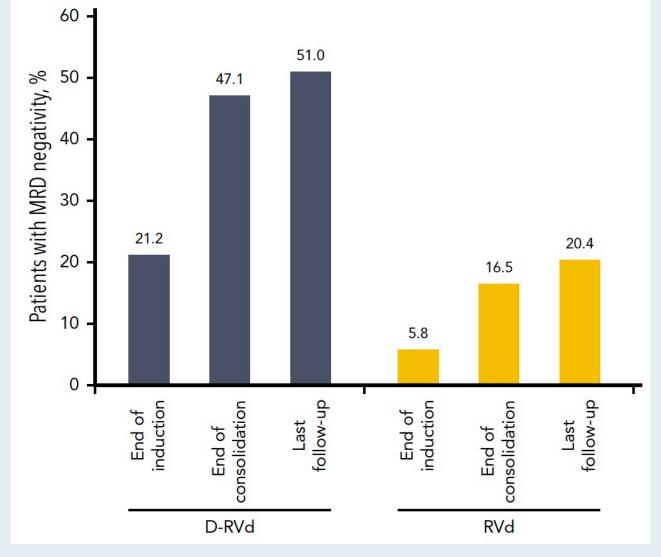
American Society of Hematology

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Kaufman JL et al. ASH 2020; Abstract 549.

GRIFFIN: Summary of Response Rates and MRD Negativity (10⁻⁵) Rates Over Time

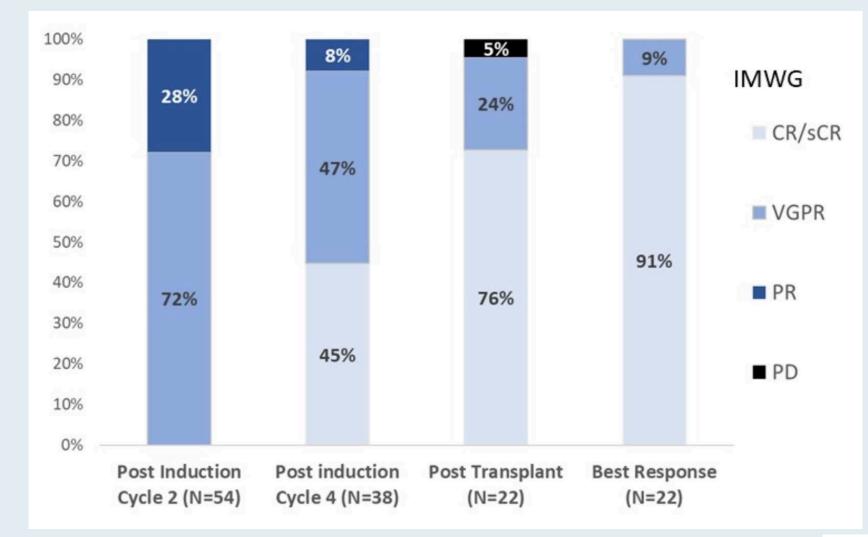


- MRD negativity (10⁻⁵) rates in the intent-to-treat population by the end of induction therapy, end of consolidation and last follow-up
- All MRD data are from the analysis with a median follow-up of 22.1 months
- MRD was evaluated at baseline, first evidence of suspected CR or sCR, at the end of induction and consolidation, and after 12 and 24 months of maintenance, regardless of response (per protocol amendment 2)



Voorhees PM et al. *Blood* 2020;136(8):936-45.

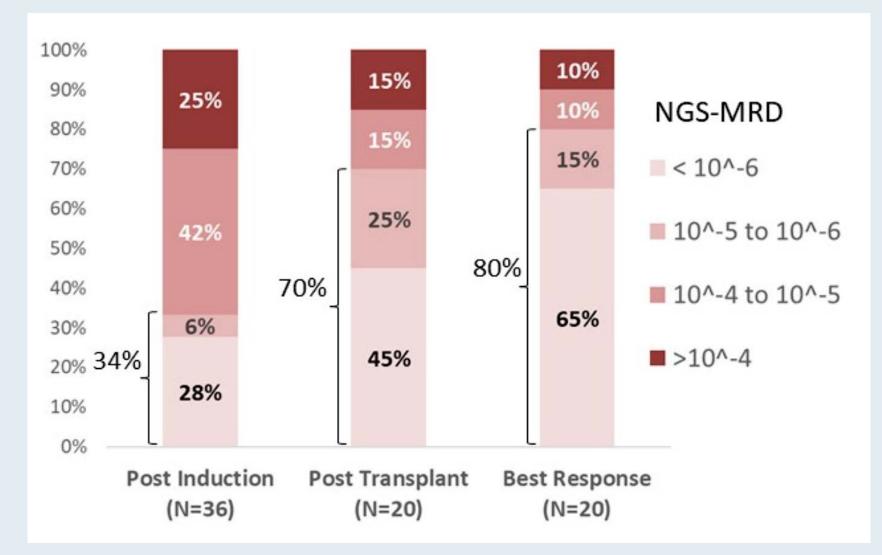
MASTER — Daratumumab + KRd Induction → MRD-Based Consolidation: Responses Over Time





Costa LJ et al. ASH 2019; Abstract 860.

MASTER: MRD-Negative Remissions





Costa LJ et al. ASH 2019; Abstract 860.

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Module 2: Subcutaneous daratumumab

Key Relevant Data Sets

- COLUMBA: Subcutaneous vs intravenous daratumumab for R/R MM
- APOLLO: Subcutaneous dara + pomalidomide/dexamethasone (Pd) vs Pd for R/R MM
- ANDROMEDA: Subcutaneous dara + CyBorD for newly diagnosed amyloidosis



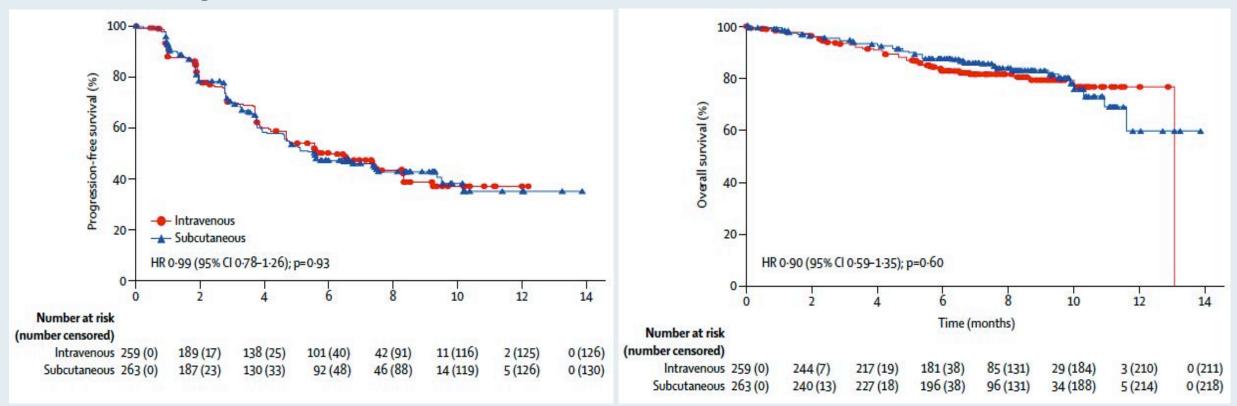
COLUMBA: Subcutaneous versus Intravenous Daratumumab

Progression-Free Survival

Overall Survival

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2020



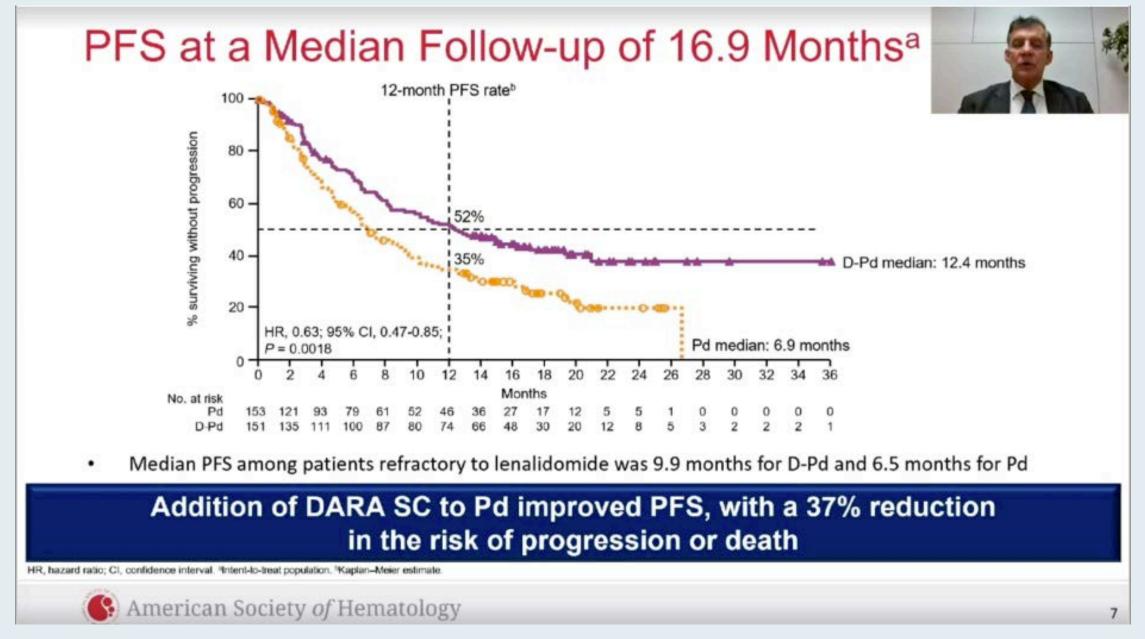
(Median follow-up 7.5 months)

Mateos MV et al. Lancet Haematol 2020;7(5):e370-80.

Apollo: Phase 3 Randomized Study of Subcutaneous Daratumumab plus Pomalidomide and Dexamethasone (D-Pd) versus Pomalidomide and Dexamethasone (Pd) Alone in Patients (Pts) with Relapsed/Refractory Multiple Myeloma (RRMM)

Dimopoulos MA et al. ASH 2020;Abstract 412.







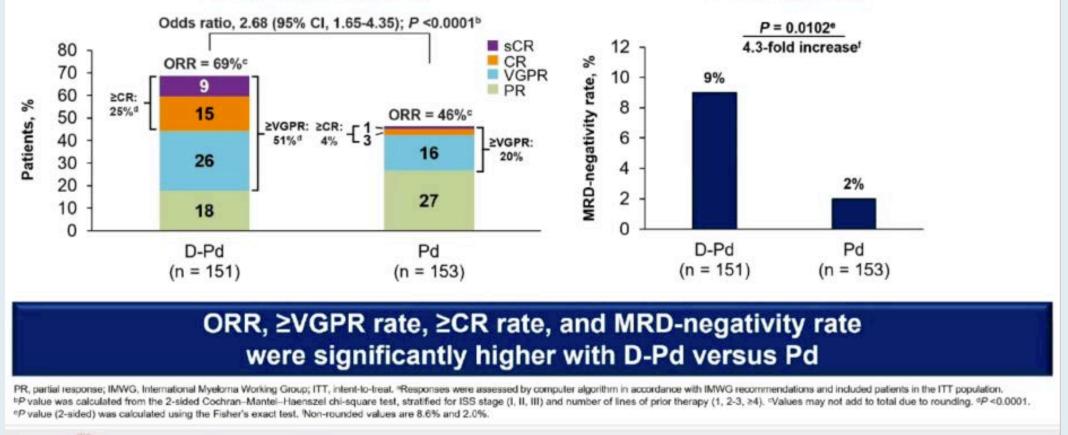
Dimopoulos MA et al. ASH 2020; Abstract 412.

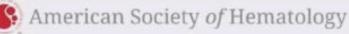
Depth of Response^a

Hematologic response



MRD negativity





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Dimopoulos MA et al. ASH 2020; Abstract 412.

FDA Grants Accelerated Approval for Subcutaneous Daratumumab with Hyaluronidase for Newly Diagnosed Light Chain Amyloidosis Press Release: January 15, 2021

"The Food and Drug Administration granted accelerated approval to daratumumab plus hyaluronidase in combination with bortezomib, cyclophosphamide and dexamethasone for newly diagnosed light chain (AL) amyloidosis.

Efficacy was evaluated in ANDROMEDA (NCT03201965), an open-label, randomized, active-controlled trial in 388 patients with newly diagnosed AL amyloidosis with measurable disease and at least one affected organ according to consensus criteria. Patients were randomized to receive bortezomib, cyclophosphamide, and dexamethasone (VCd arm) or with daratumumab plus hyaluronidase (D-VCd arm). The hematologic complete response (HemCR) rate based on established consensus response criteria as evaluated by an independent review committee was 42.1% for the D-VCd arm and 13.5% for the VCd arm (odds ratio=4.8; 95% CI: 2.9, 8.1; p<0.0001).

The prescribing information includes a Warnings and Precautions that serious or fatal cardiac adverse reactions occurred in patients with light chain (AL) amyloidosis who received daratumumab plus hyaluronidase in combination with bortezomib, cyclophosphamide and dexamethasone. Daratumumab plus hyaluronidase is not indicated and is not recommended for the treatment of patients with light chain (AL) amyloidosis who have NYHA Class IIIB or Class IV cardiac disease or Mayo Stage IIIB outside of controlled clinical trials.

https://www.fda.gov/drugs/drug-approvals-and-databases/fda-grants-accelerated-approval-darzalex-faspro-newly-diagnosed-light-chain-amyloidosis



ANDROMEDA: Subcutaneous Daratumumab with or without CyBorD for AL Amyloidosis

Efficacy	Daratumumab + CyBorD (n = 195)	CyBorD (n = 193)	Hazard or odds ratio	<i>p</i> -value
Overall hematologic response	92%	77%	NR	NR
CR	53%	18%	5.10	<0.0001
≥VGPR	79%	49%	NR	NR

"The addition of DARA to CyBorD was superior to CyBorD alone, resulting in deeper and more rapid hematologic responses and improved clinical outcomes with an acceptable safety profile. DARA-CyBorD therapy resulted in improved MOD-PFS and substantially higher organ responses in newly diagnosed AL amyloidosis pts."



Kastritis E et al. EHA 2020; Abstract LBA2604.

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Module 3: Ixazomib

- Key Relevant Data Set
 - TOURMALINE-MM4: Ixazomib vs placebo as postinduction maintenance therapy

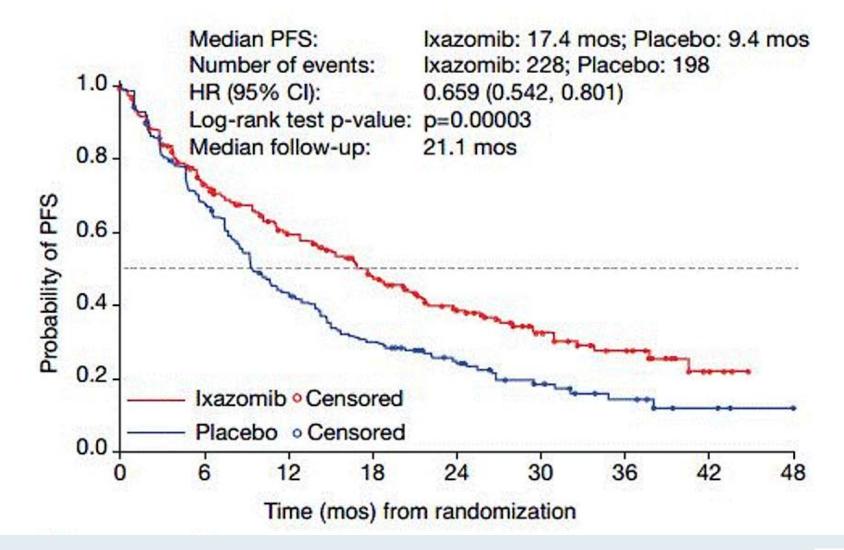


Ixazomib vs Placebo as Post-induction Maintenance Therapy in Newly Diagnosed Multiple Myeloma (NDMM) Patients (pts) Not Undergoing Autologous Stem Cell Transplant (ASCT): Phase 3 TOURMALINE-MM4 Trial

Dimopoulos MA et al. EHA 2020;Abstract S200.



TOURMALINE-MM4: Progression-Free Survival



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Dimopoulos MA et al. EHA 2020; Abstract S200.

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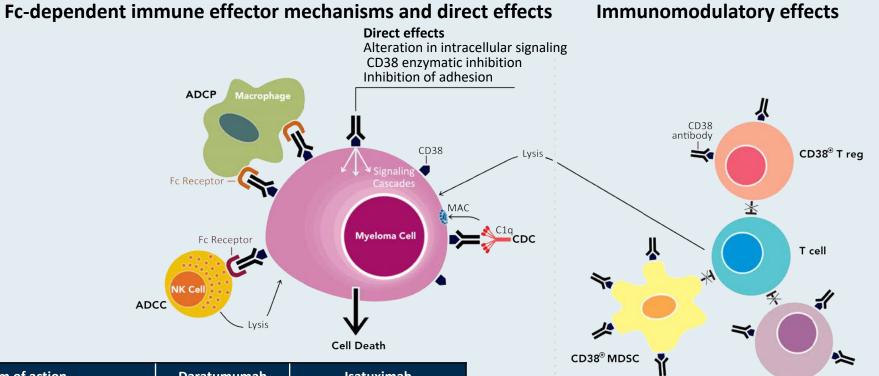
Module 4: Isatuximab

Key Relevant Data Sets

- ICARIA-MM: Isatuximab + pom/dex for elderly patients with R/R MM
- IKEMA: Isatuximab + Kd for relapsed MM
- GMMG-CONCEPT: Isatuximab + KRd as front-line therapy for high-risk MM



Anti-CD38 Antibodies: Mechanism of Action, Structural and Pharmacologic Similarities and Differences



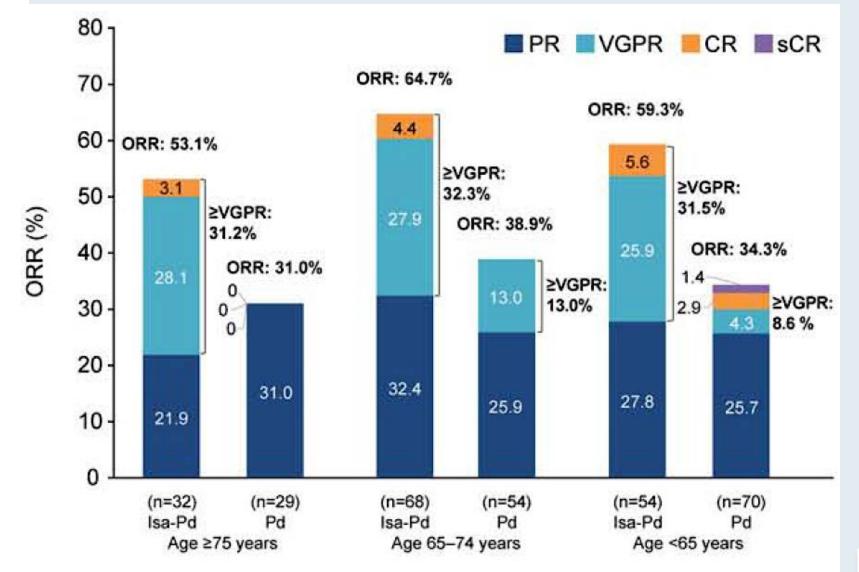
Mechanism of action	Daratumumab	Isatuximab	
Origin, isotype	Human IgG-kappa	Chimeric IgG1-kappa	
CDC	+++	+	
ADCC	++	++	
ADCP	+++	Not determined	
PCD direct	_	++	
PCD cross linking	+++	+++	
Modulation ectoenzyme function	+	+++	



CD38[⊕] B reg

van de Donk NWCJ et al. Blood 2018;131(1):13-29.

ICARIA-MM – Isatuximab + Pom/Dex: Response to Therapy by Patient Age Group

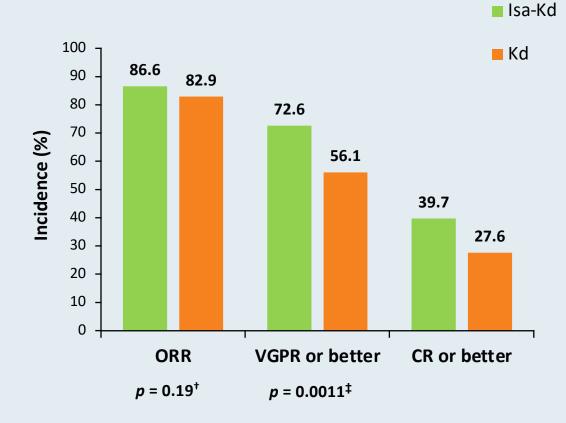


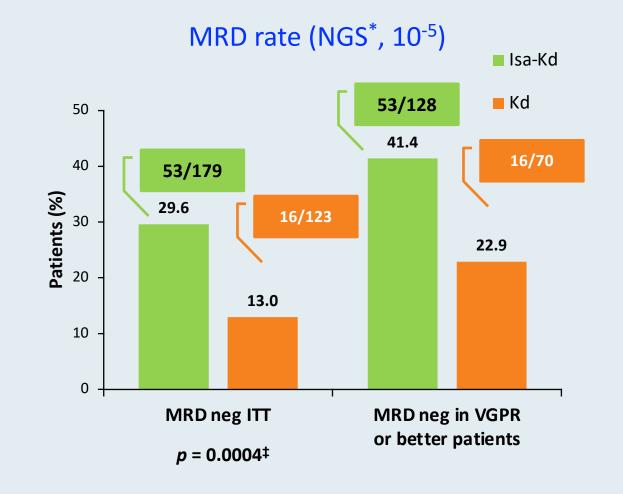
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Schjesvold FH et al. Haematologica 2020;[Online ahead of print].

IKEMA – Isatuximab + Kd: Depth of Response



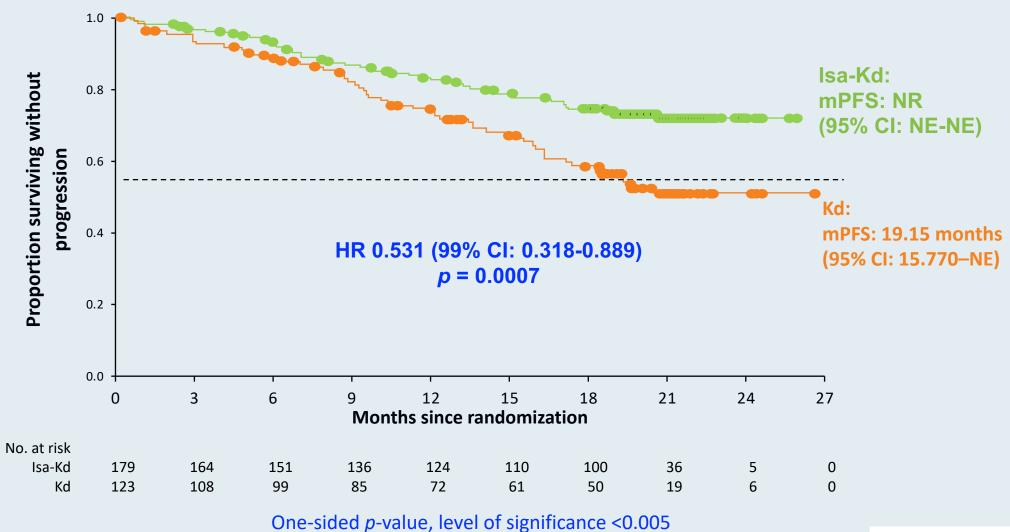






Moreau P et al. EHA 2020; Abstract LBA2603.

IKEMA: PFS



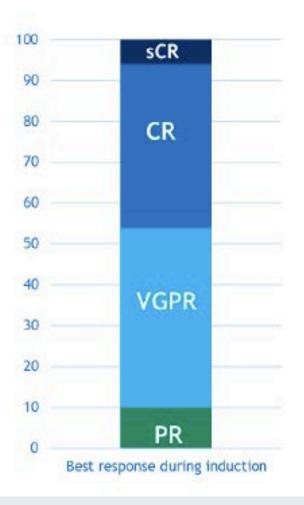


Moreau P et al. EHA 2020; Abstract LBA2603.

GMMG-CONCEPT – Front-Line Isa-KRd for High-Risk MM: Best Response to Therapy, 6 Induction Cycles

All evaluable patients: n = 50

- Overall response rate (ORR, ≥ PR): 100%
- ≥ VGPR : 90%; CR/sCR: 46%
 - Arm A: 41/46 ≥ VGPR
 - Arm B: all (n = 4) VGPR
- Arm A: MRD-assessment in 33 patients during induction
 - 20 patients MRD negative
 - 11 patients MRD positive
 - 2 not assessable





Weisel K et al. ASCO 2020; Abstract 8508.

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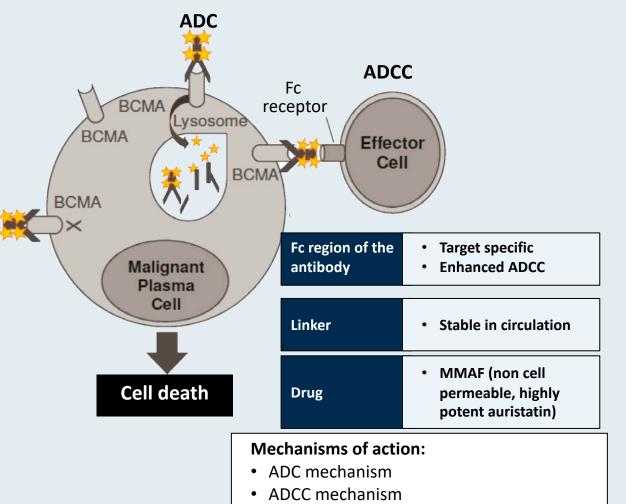
Module 5: Belantamab mafodotin

- Key Relevant Data Sets
 - DREAMM-2: Single-agent belantamab mafodotin (belamaf)
 - DREAMM-6: Belamaf + Vd



Belamaf: Anti-BCMA Antibody-Drug Conjugate

- B-cell maturation factor (BCMA) expression is restricted to B cells at later stages of differentiation and is required for survival of plasma cells
- BCMA is broadly expressed at variable levels on malignant plasma cells
- Belantamab mafodotin is a humanized, afucosylated IgG1 anti-BCMA antibody conjugated to microtubule disrupting agent MMAF via a stable, proteaseresistant maleimidocaproyl linker



Immunogenic cell death

BCMA receptor signaling inhibition

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DREAMM-2 – Single-Agent Belamaf: Efficacy Outcomes

	Patients with 3-6 prior therapies (n = 47)	Patients with ≥7 prior therapies (n = 50)
ORR, % (97.5% CI)	34 (19.3-51.4)	30 (16.5-46.6)
Median DoR (95% CI estimates), months	11.0 (4.2-NR)	13.1 (4.0-NR)
Probability of DoR ≥6 months, % (95% CI estimates)	63 (31-83)	73 (44-89)
Median PFS (95% CI estimates), months	2.9 (1.5-5.7)	2.2 (1.2-3.6)
Probability of PFS at 6 months, % (95% CI estimates)	35 (20-50)	30 (17-43)

CI = confidence interval; DoR = duration of response; NR = not reached; ORR = overall response rate; PFS = progression-free survival



DREAMM-6 – Belamaf + Vd: Clinical Activity

- Response was evaluable in all patients:
 - ORR = 78%
 - VGPR = 50%
 - PR = 28%
 - SD = 17%
 - CBR = 83%
- Median DoR = not reached (median 18.2 weeks on treatment)



Popat R et al. ASH 2020; Abstract 1419.

DREAMM-6: Overview of Adverse Events

Patients with AE, n (%)	Belamaf 2.5 mg/kg SINGLE + BorDex (N = 18) [Parts 1 and 2]
AEs related to study treatment	18 (100)
Grade 3/4 AE	16 (89)
AEs leading to permanent discontinuation of a study treatment	5 (28)
AEs leading to permanent discontinuation of belamaf	0
AEs leading to dose reductions	13 (72)
Corneal events	7 (39)
Thrombocytopenia	6 (33)
AEs leading to dose interruption/delay	18 (100)
Corneal events	15 (83)
Thrombocytopenia	7 (39)
Any SAE	12 (67)
Fatal SAE	0
SAEs related to study treatment	5 (28)



Agenda

Module 1: Up-front management

Module 2: Subcutaneous daratumumab

Module 3: Ixazomib

Module 4: Isatuximab

Module 5: Belantamab mafodotin

Module 6: Selinexor

Module 7: BCMA-directed CAR T-cell therapy; bispecifics

Module 8: Melflufen

Module 9: Cereblon E3 ligase modulators (CELMoDs)

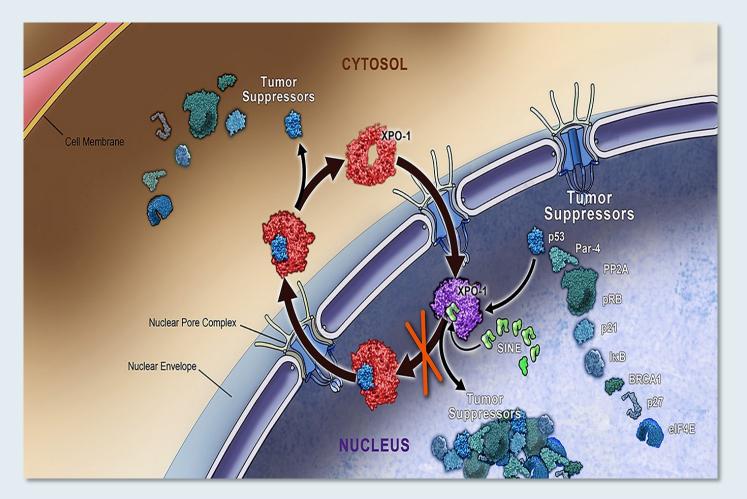


Module 6: Selinexor

- Key Relevant Data Set
 - BOSTON: Selinexor + Vd vs Vd after 1 to 3 prior lines of therapy



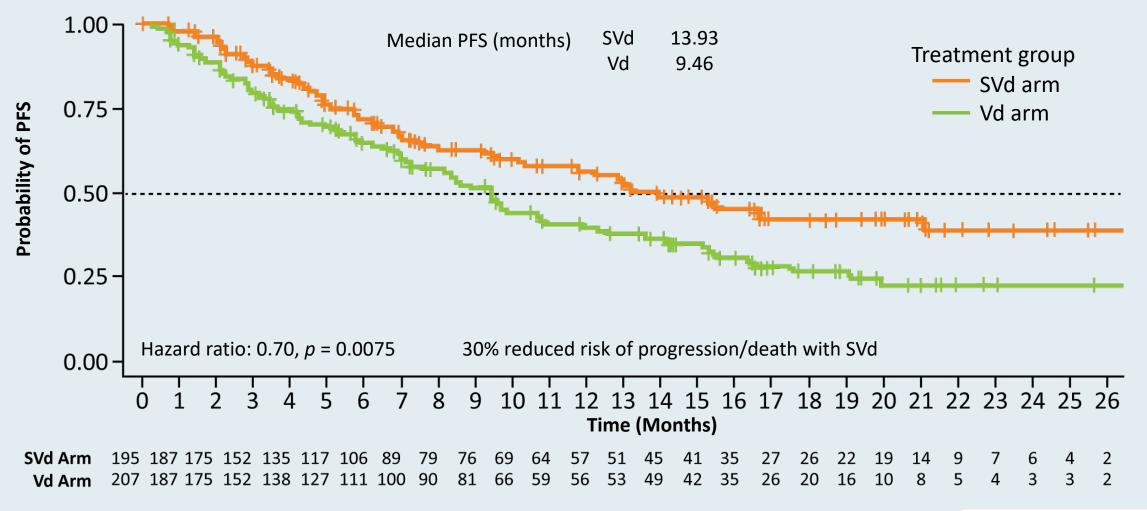
Selinexor: Mechanism of Action



- Exportin 1 (XPO1) is the major nuclear export protein for tumor suppressor proteins (TSPs), the glucocorticoid receptor (GR) and eIF4Ebound oncoprotein mRNAs (c-myc, BCL2, BCL-xL and cyclins)
- XPO1 is overexpressed in MM and its levels often correlate with poor prognosis
- Selinexor is a first-in-class XPO1 inhibitor that induces nuclear retention and activation of TSPs and the GR in the presence of steroids and suppresses oncoprotein expression.



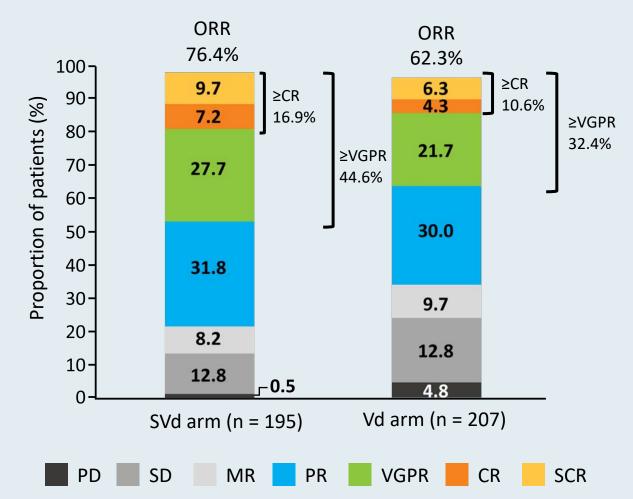
BOSTON Trial – Selinexor + Vd versus Vd: Progression-Free Survival



RTP Year in Review 8

Dimopoulos M et al. ASCO 2020; Abstract 8501.

BOSTON Trial: Response



Longer duration of response with SVd

	SVd arm (n = 149)	Vd arm (n = 129)
Median time to response (months)	1.1	1.4
Median duration of response (months)	20.3	12.9

Fewer patients with progressive disease: SVd (n = 1, 0.5%) vs Vd (n = 10, 4.8%)



Dimopoulos M et al. ASCO 2020; Abstract 8501.

Which of the following agents would you generally use first for a patient with relapsed MM?

- 1. Selinexor
- 2. Belantamab mafodotin



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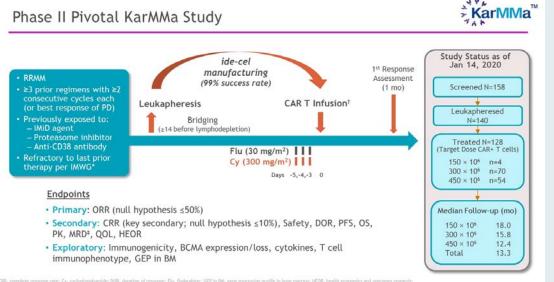
Module 7: BCMA-directed CAR T-cell therapy; bispecifics

Key Relevant Data Sets

- KarMMa: Idecabtagene vicleucel (ide-cel; bb2121) for elderly patients with R/R MM
- CRB-402: bb21217 for R/R MM
- CARTITUDE-1: Ciltacabtagene autoleucel (JNJ-4528) for R/R MM
- EVOLVE: Orvacabtagene autoleucel (orva-cel) for R/R MM



Key BCMA-Directed CAR-T Study Designs



399, complete resource rate; Cy, cyclophosphanide; DGR, duration of response; Tiu, Budarabine; GEP in DA, gene expression profile in home marrow; HGR, bmilth economics and autcomes research; HD, immunosofulary drug; MMG, Isternat/bmil: Myelona Wohling Graup; MBO, minimal resoluti disease; GRB, overall response rate; CS, overall sur/visil: PD; progression eravival: PP, Mammachinetics; CSD, cyclashy at III:e. Defined a documented disease progression during or withink@ if from last dose of prior antimyeloma regimes. Patients were required to be biophratized for 14 d pact-influion. Me cell networkment wallowed a disease progression for home trapping of the studie disease. The originary interpretation during the progression for the regiment and the subservice of users progression during or withink@ if from last dose of prior antimyeloma regimes. Patients were required to be biophratized for 14 d pact-influion. Me cell networkinets wallowed a disease progression for home trapping of last table disease. The originary interpretation during the regiment of the progression for the regiment of the progression for home trapping of last table disease. The originary interpretation for the progression for home trapping of last table disease. The originary interpretation for the progression for home trapping of last table disease. The originary interpretation for the progression for home trapping of last table disease. The originary interpretation for the progression for home trapping of last table.

FudraCT: 2017-002245-29 ClinicalTrials.gov: NCT03361748

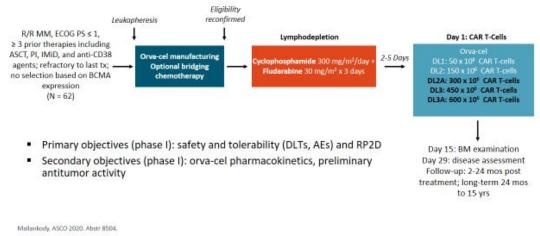
Day -5 to -3

Day 1

CARTITUDE-1: Phase 1b/2 Study Design



EVOLVE: Study Design



Similar approach in 3 studies:

R/R MM Steady state T cell collection **CY/FLU** lymphodepletion Single infusion

Courtesy of Edward A Stadtmauer, MD



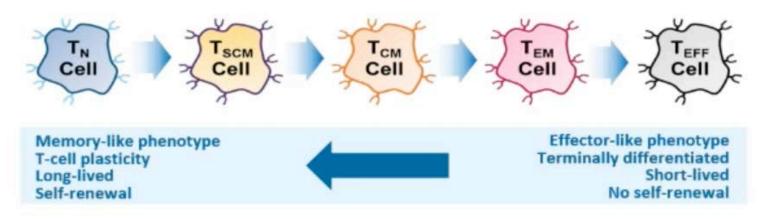
Updated Results from the Phase I CRB-402 Study of Anti-Bcma CAR-T Cell Therapy bb21217 in Patients with Relapsed and Refractory Multiple Myeloma: Correlation of Expansion and Duration of Response with T Cell Phenotypes

Alsina M et al. ASH 2020;Abstract 130.



bb21217: Mechanism of Action

- bb21217 uses the same CAR molecule as bb2121,¹ but is cultured with the PI3K inhibitor, bb007, to enrich for T cells displaying a memory-like phenotype
- CAR T cells enriched for this phenotype may persist and function for longer than non-enriched CAR T cells²
- Persistence of functional CAR T cells after infusion may be one determinant of duration of response³



 When cultured in the presence of the PI3K inhibitor bb007, donor cells become enriched for memory-like CAR T cells and the percentage of senescent CAR T cells decreases.



Updated Phase 1 Results of Teclistamab, a B-Cell Maturation Antigen (BCMA) x CD3 Bispecific Antibody, in Relapsed and/or Refractory Multiple Myeloma (RRMM)

Garfall AL et al. ASH 2020; Abstract 180.

A Phase 1, First-in-Human Study of Talquetamab, a G Protein-Coupled Receptor Family C Group 5 Member D (GPRC5D) x CD3 Bispecific Antibody, in Patients with Relapsed and/or Refractory Multiple Myeloma (RRMM)

Chari A et al. ASH 2020; Abstract 290.



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Module 9: Cereblon E3 ligase modulators (CELMoDs)



Module 8: Melflufen

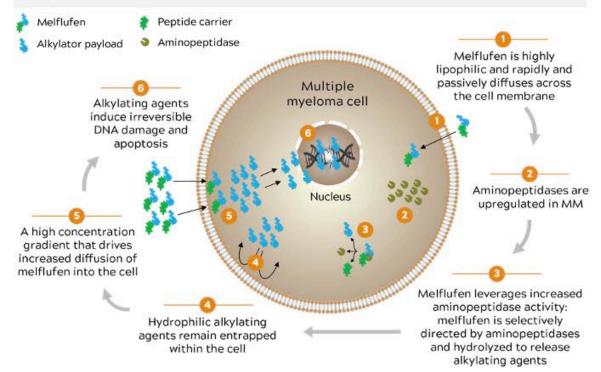
Key Relevant Data Set

 ANCHOR (OP-104): Melflufen/dexamethasone with daratumumab or bortezomib for multiple regimen-refractory disease



Melphalan Flufenamide (Melflufen): Mechanism of Action

Melflufen is an investigational first-in-class peptide-drug conjugate (PDC) that targets aminopeptidases and rapidly releases alkylating agents into tumor cells.¹⁻⁵

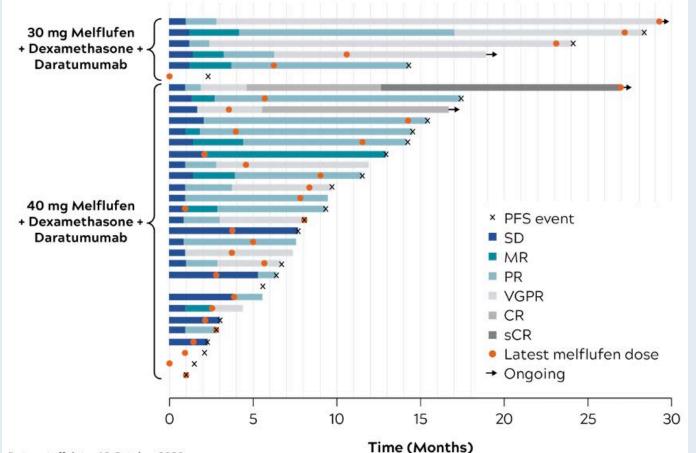


- In the pivotal phase 2 HORIZON study (OP-106), the activity of melflufen plus dexamethasone was further shown in heavily pretreated RRMM patients refractory to pomalidomide and/or anti-CD38 mAb therapy, with acceptable safety⁶
 - ORR was 29%; median PFS was 4.2 months, and median OS was 11.6 months
 - Grade 3/4 hematologic AEs were common (mainly neutropenia [79%], thrombocytopenia [76%], and anemia [71%]) but clinically manageable; nonhematologic AEs were infrequent

AE, adverse event; mAb, monoclonal antibody; ORR, overall response rate; OS, overall survival; PFS, progression-rate survival; RRMM, relapsed/refractory multiple myeloma.



ANCHOR: Melflufen with Dexamethasone and Daratumumab



Data cutoff date: 19 October 2020.

CR, complete response; DOR, duration of response; MR, minor response; OS, overall survival; PFS, progression-free survival; PR, partial response; sCR, stringent CR; SD, stable disease; VGPR, very good PR.

No DLTs were observed at any dose

- 15 patients (45%) experienced SAEs, most commonly pneumonia (12%); influenza (9%); and parainfluenza virus infection, sepsis, urinary tract infection, and febrile neutropenia (6% each)^a
 - 30 mg: 4 patients (67%)
 - 40 mg: 11 patients (41%)
- Four AEs with fatal outcomes
 - 30 mg: sepsis (unrelated to study treatment)
 - 40 mg: sepsis (possibly related to melflufen), and cardiac failure chronic and and general physical health deterioration (unrelated to study treatment)^b



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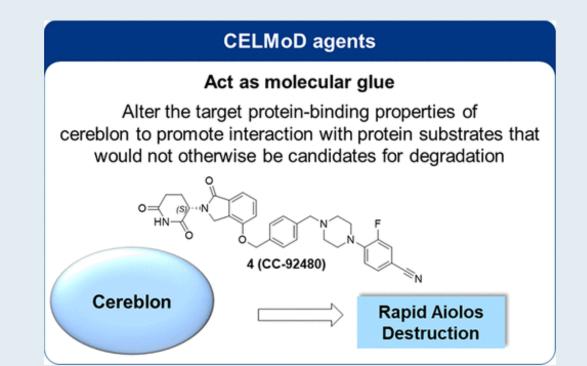
Module 9: Cereblon E3 ligase modulators (CELMoDs)

- Key Relevant Data Set
 - Novel CELMoD agent CC-92480 + dexamethasone for patients with R/R MM



Cereblon E3 Ligase Modulators (CELMoDs): Mechanism of Action

- CC-92480 binds to cereblon, thereby affecting the ubiquitin E3 ligase activity, and targeting certain substrate proteins for ubiquitination...
- ... this induces proteasome-mediated degradation of certain transcription factors, some of which are transcriptional repressors in T cells...
- ... this leads to modulation of the immune system, including activation of T lymphocytes; and antiproliferative effects and induction of apoptosis in myeloma cells



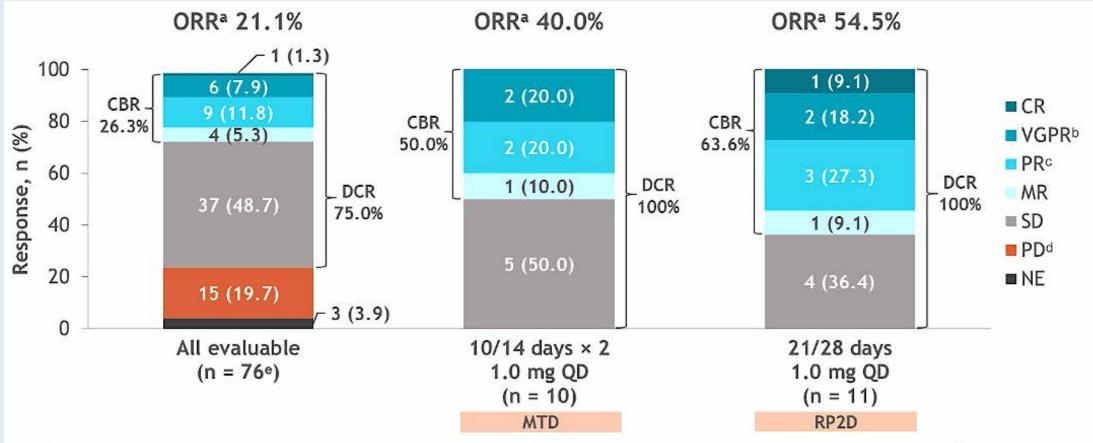


First-in-Human Phase I Study of the Novel CELMoD Agent CC-92480 Combined with Dexamethasone (DEX) in Patients (pts) with Relapsed/Refractory Multiple Myeloma (RRMM)

Richardson PG et al. ASCO 2020;Abstract 8500.



CC-92480 with Dexamethasone: Response



At the RP2D 1.0 mg QD 21/28 days, 7 out of 11 patients were triple-class-refractory^f
1 patient had CR, 1 VGPR, 2 PR, and 1 MR



Richardson PG et al. ASCO 2020; Abstract 8500.

CC-92480 with Dexamethasone: Adverse Events

Common (> 20 % all grade) TEAEs and events of interest, n (%)	All doses (N = 76)		
	All grade	Grade 3	Grade 4
Neutropenia	56 (73.7)	23 (30.3)	26 (34.2)
Febrile neutropenia	6 (7.9)	4 (5.3)	1 (1.3)
Anemia	42 (55.3)	24 (31.6)	.=
Thrombocytopenia	33 (43.4)	5 (6.6)	7 (9.2)
Infections	54 (71.1)	25 (32.9)	2 (2.6)
Pneumoniaª	13 (17.1)	11 (14.5)	-
Fatigue	29 (38.2)	7 (9.2)	-
Pyrexia	17 (22.4)	3 (3.9)	-
Peripheral sensory neuropathy	4 (5.3)	-	-
Diarrhea	18 (23.7)	1 (1.3)	-
Nausea	17 (22.4)	1 (1.3)	- 1
Deep vein thrombosis	1 (1.3)	-	-

- Prophylactic G-CSF was not permitted during Cycle 1
- Neutropenia was managed with dose interruption/reduction and G-CSF
- Dose reductions of CC-92480 occurred in 17 (22.4%) patients
- No patients discontinued due to treatment-related AEs

Richardson PG et al. ASCO 2020; Abstract 8500.

Year in Review — Clinical Investigators Provide Perspectives on the Most Relevant New Publications, Data Sets and Advances in Oncology: Bladder Cancer and Renal Cell Carcinoma

> Tuesday, February 2, 2021 5:00 PM – 6:00 PM ET

Faculty Sumanta K Pal, MD David I Quinn, MBBS, 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.

