

Highlights from IMW 2021

1-2 febbraio 2022
Bologna
Royal Hotel Carlton

Dr.ssa Francesca Bonello

Myeloma Unit, Division of Hematology, AOU Città della
Salute e della Scienza, Torino, Italy

**Terapia di prima linea nel
paziente fit non candidato a
trapianto: strategie con anti CD38**

Coordinatore Scientifico
Michele CAVO

Comitato Scientifico
Michele CAVO
Maria Teresa PETRUCCI

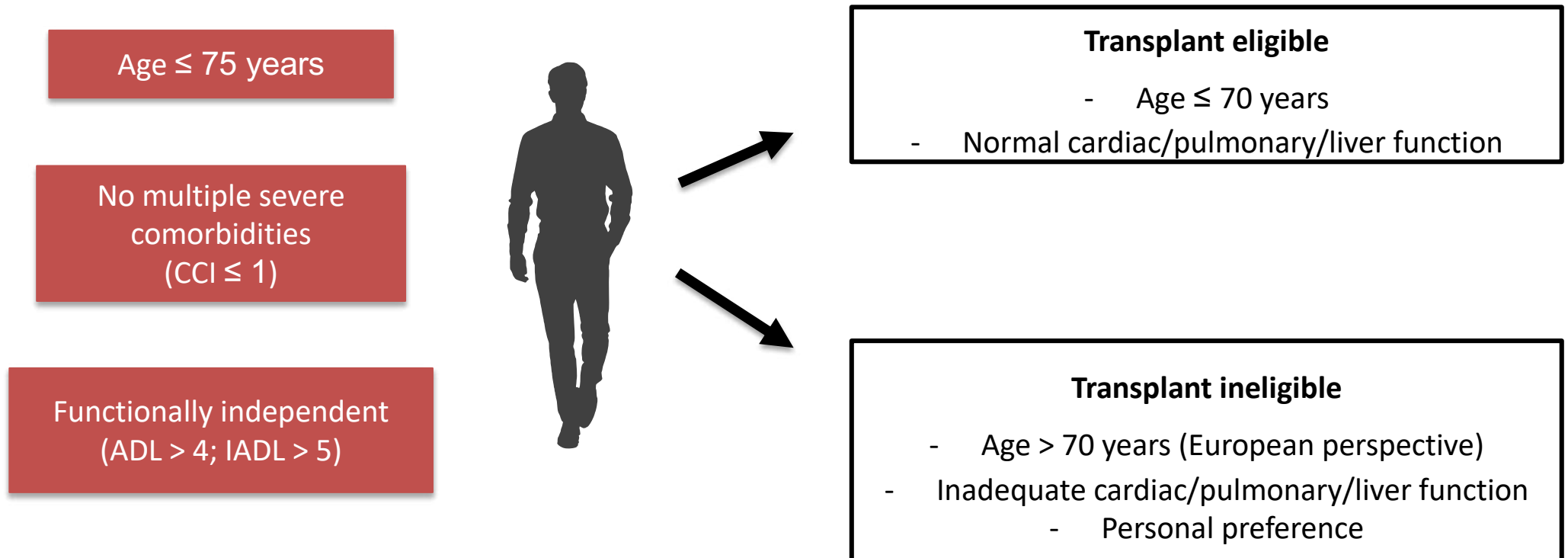


Disclosures

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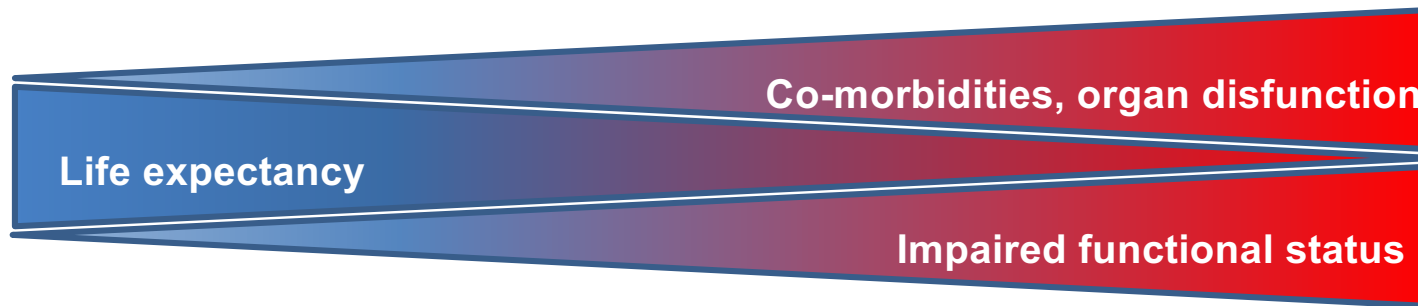


Definition of elderly fit newly diagnosed multiple myeloma patients





Treatment goal in fit transplant ineligible patients



Deep remission

Goal

CR/MRD-negativity

Priority

Efficacy



Balance efficacy/safety

Good response

Combination of efficacy/safety



Do not harm

QoL

Low toxicity

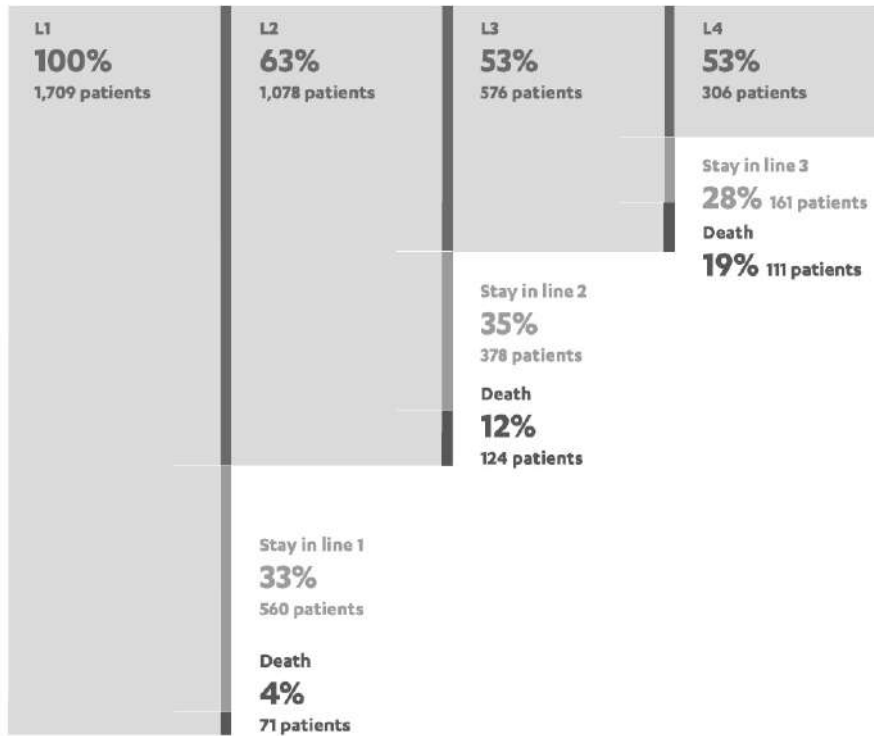
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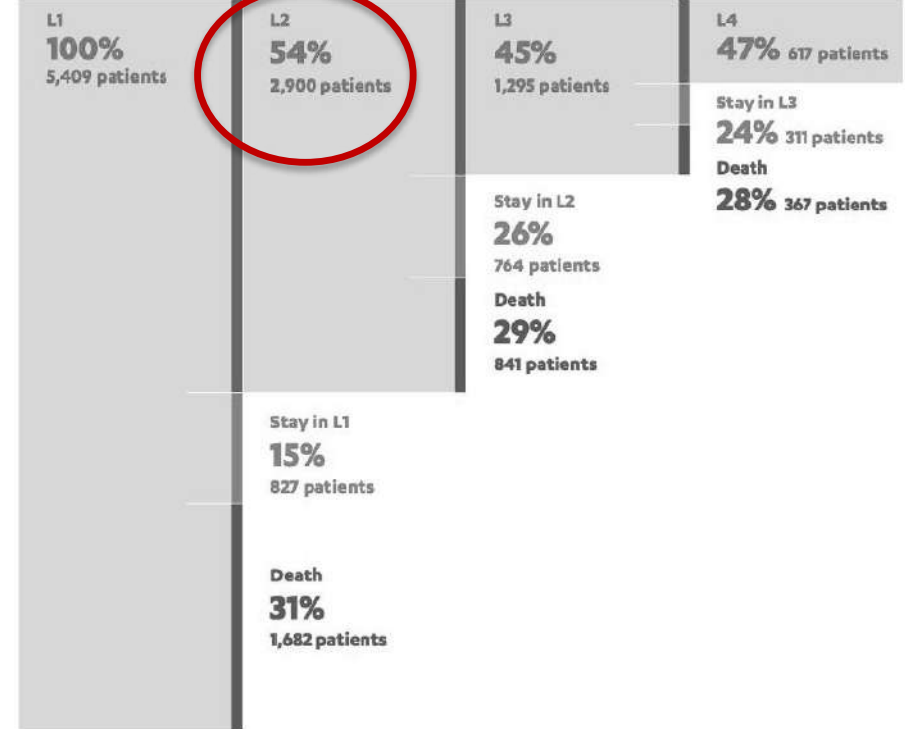


Treatment pathways in myeloma patients

Patients with transplant



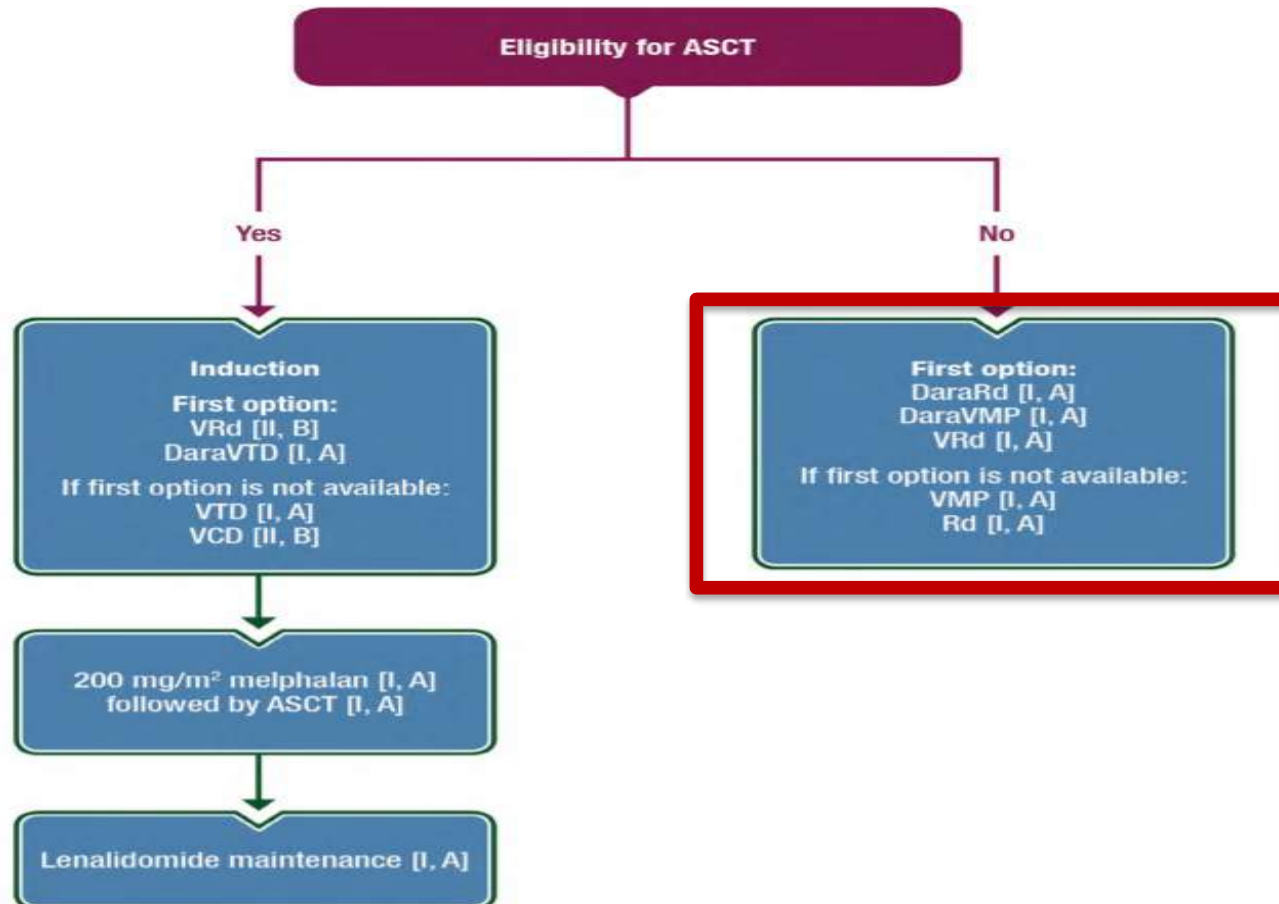
Patients without transplant



Effective first line therapy is crucial in transplant ineligible patients since half of them do not reach subsequent lines

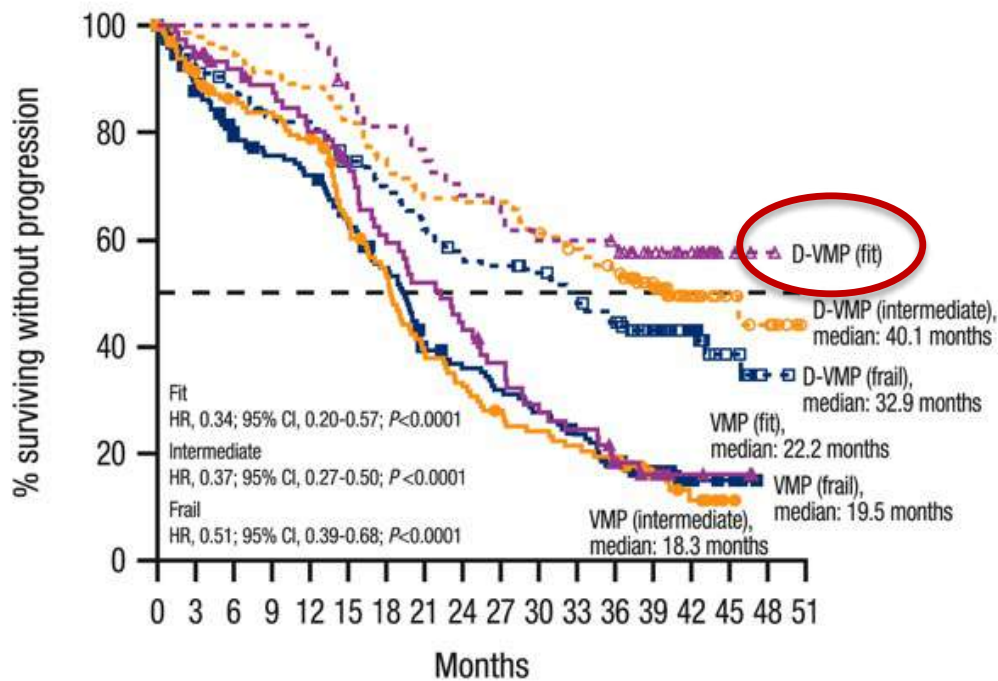


Front-line treatment options for myeloma patients: 2021 ESMO guidelines

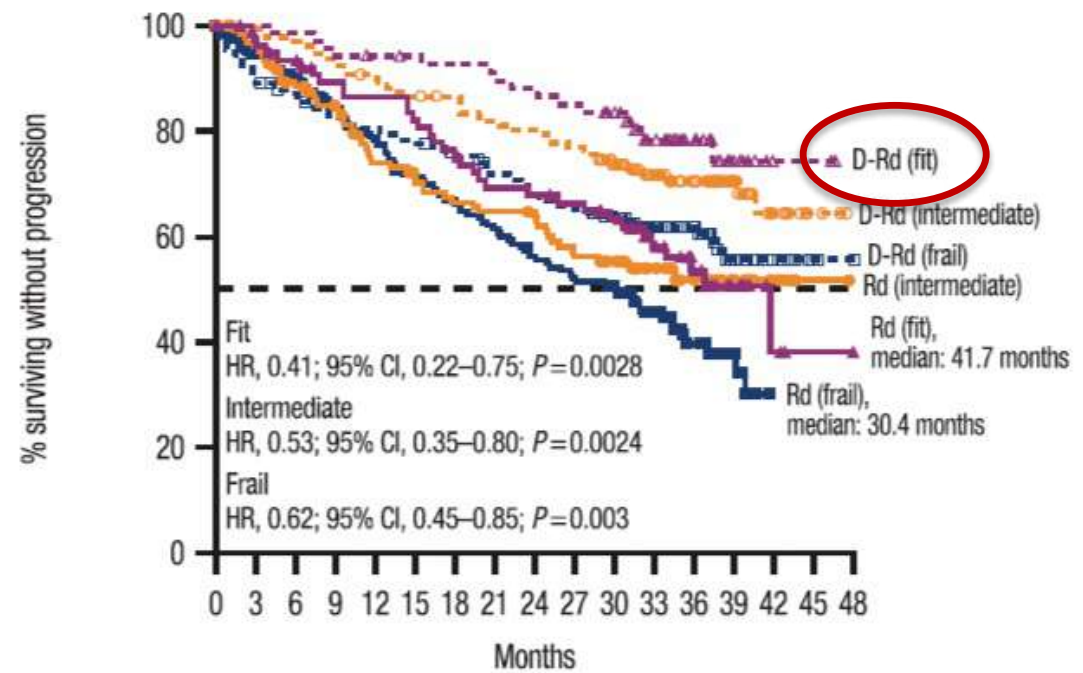




Adding anti-CD38 monoclonal antibodies improves the outcome of NTE patients



Median follow-up 40 months



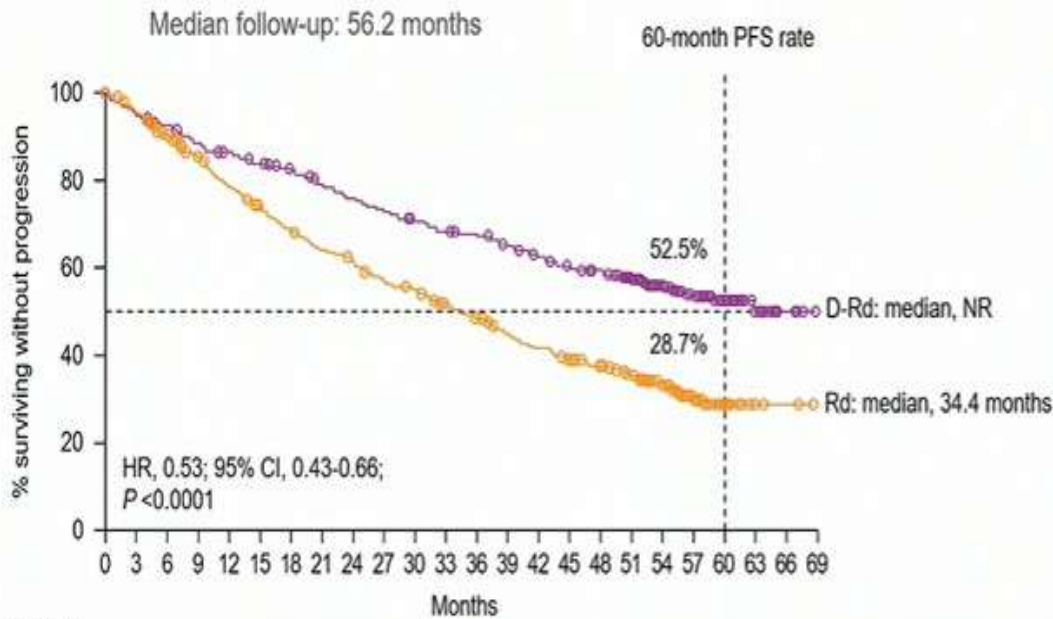
Median follow-up 36.4 months

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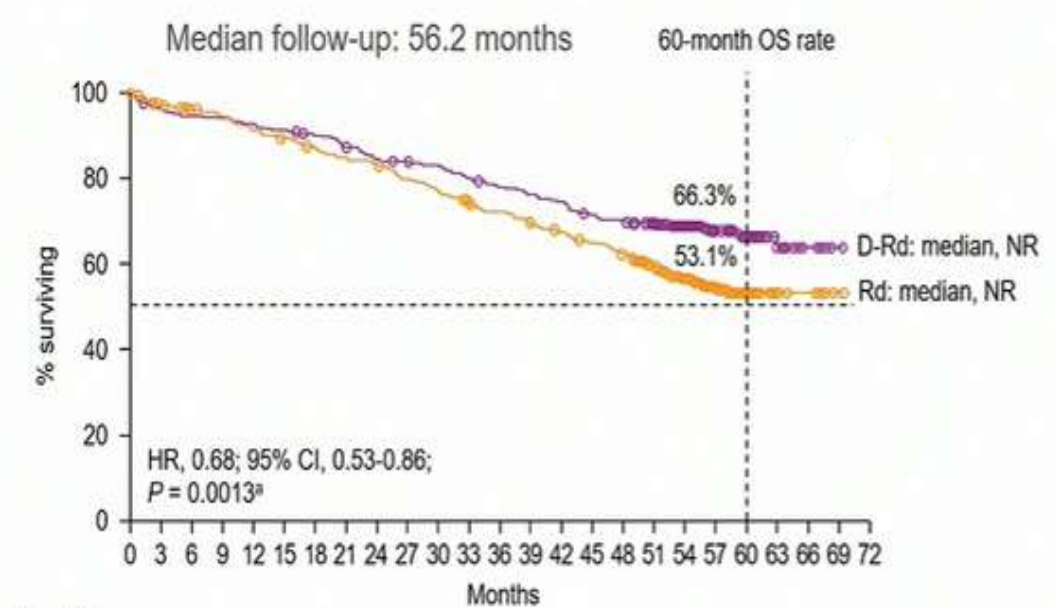


Daratumumab + Rd: updated results from the MAIA trial EFFICACY



No. at risk

Rd	369	333	307	280	255	237	220	205	196	179	172	155	146	133	123	113	105	94	63	36	12	4	2	0
D-Rd	368	347	335	320	309	300	290	276	266	256	246	237	232	222	210	199	195	170	123	87	51	17	5	0



No. at risk

Rd	369	351	343	336	324	317	308	300	294	281	270	258	251	241	232	223	213	183	134	85	42	14	5	1	0
D-Rd	368	350	346	344	338	334	328	316	305	302	297	286	280	273	266	255	249	228	170	118	63	22	6	1	0



Daratumumab + Rd: updated results from the MAIA trial

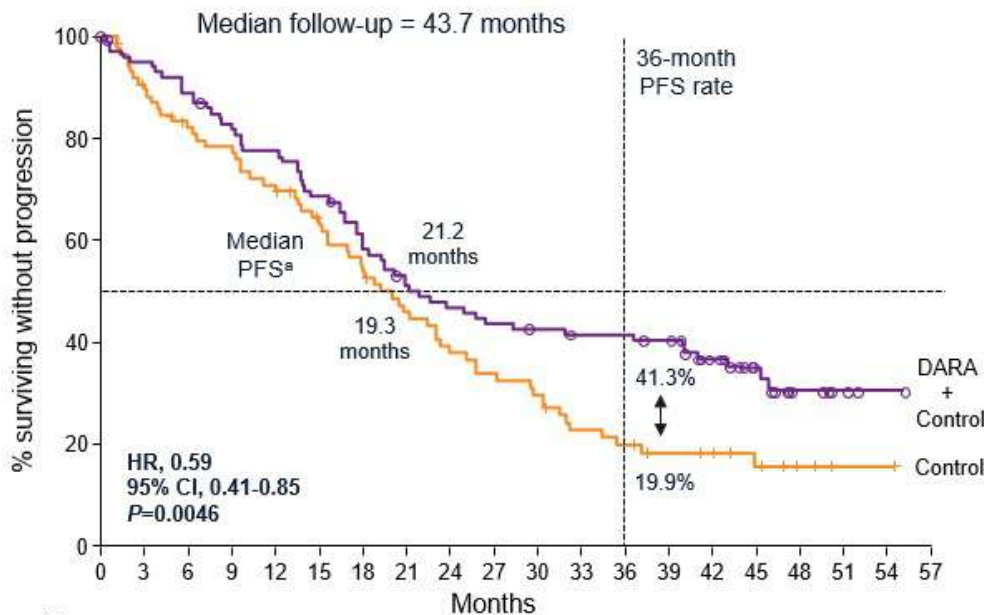
SAFETY

Grade 3/4 AEs	DaraRd (n 364)	Rd (n 365)
Neutropenia	197 (54%)	135 (37%)
Thrombocytopenia	32 (9%)	34 (9%)
Pneumonia	70 (19%)	39 (11%)
Diarrhea	32 (9%)	22 (6%)
Fatigue	32 (9%)	17 (5%)
Pulmonary embolism	26 (7%)	19 (5%)
AKI	19 (5%)	12 (3%)
Discontinuation to AEs	48 (13%)	85 (23%)

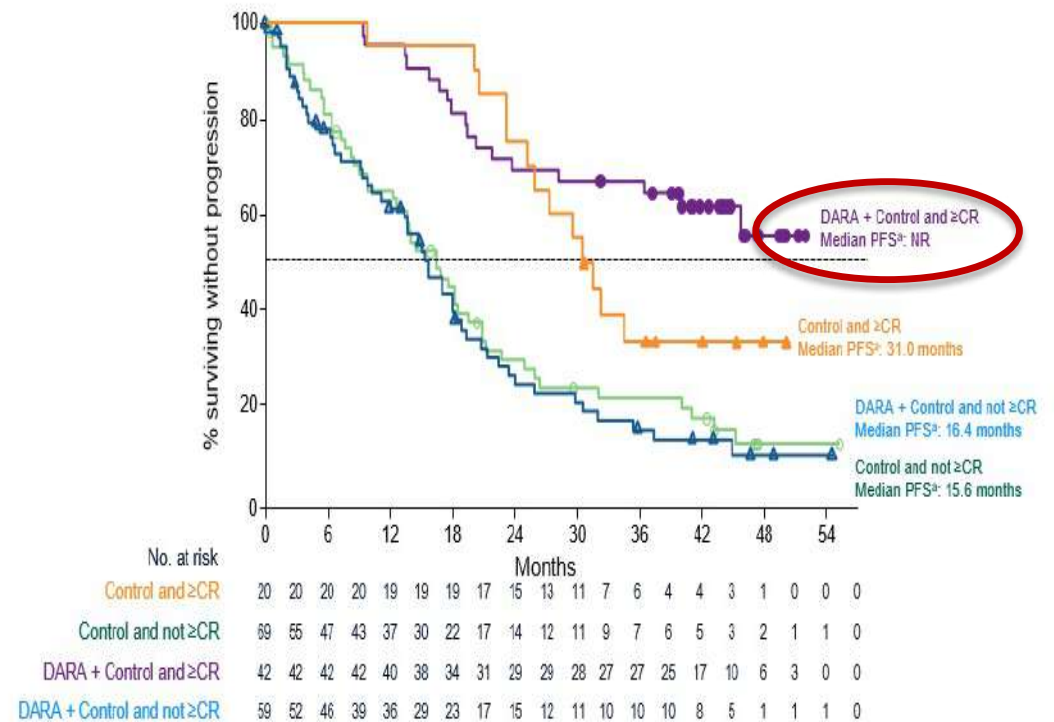
Median duration of study treatment: 47.5 months in D-Rd arm and 22.6 months in Rd arm.



Addressing the unmet need: daratumumab in high-risk NTE patients



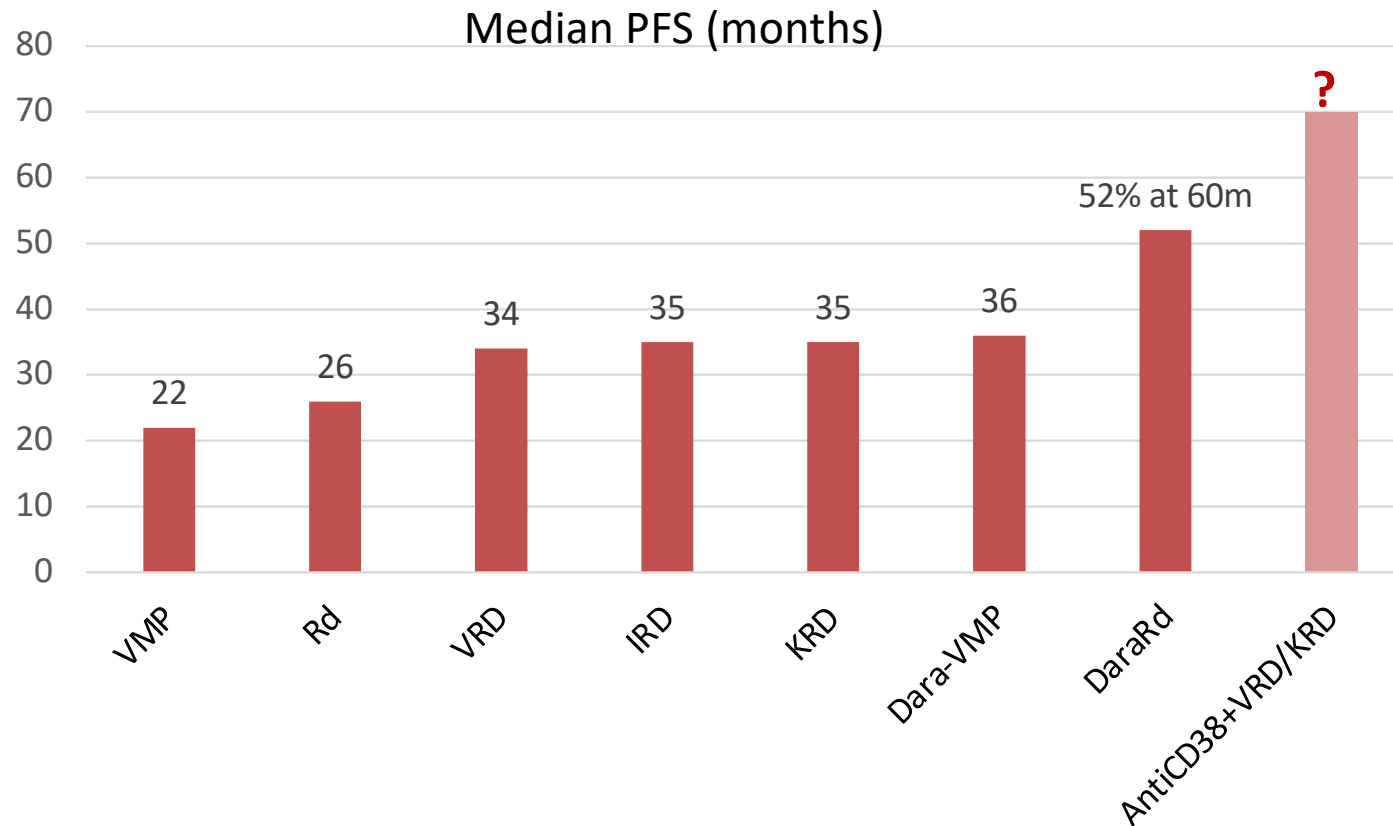
No. at risk	0	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57
Control	89	75	67	63	56	49	41	34	29	25	22	16	13	10	9	6	3	1	1	0
DARA + Control	101	94	88	81	76	67	57	48	44	41	39	37	37	35	25	15	7	4	1	0



Addition of daratumumab to VMP/Rd increases rate of ≥ CR (42% vs 23%, HR 2.63) in high risk patients
Deeper responses allow longer remissions in high risk patients



Roadmap of treatment options for fit NTE patients

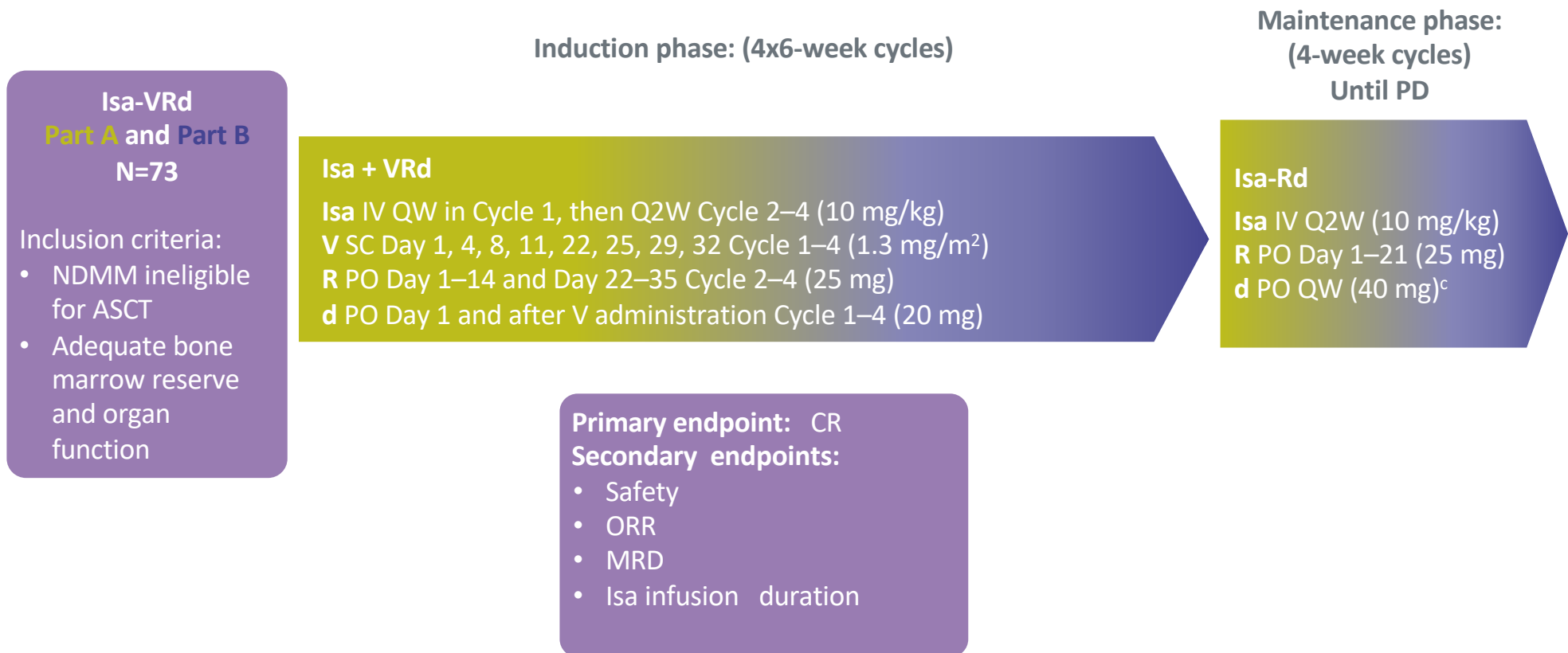


San Miguel J, N Engl J Med 2008; Benboubker L, N Engl J Med 2014; Durie, Lancet. 2017; Facon, Blood 2021; Kumar, Lancet Oncol 2020; Mateos, Lancet 2019; Facon, NEJM. 2019;

Adapted from San Miguel, IMW 2021

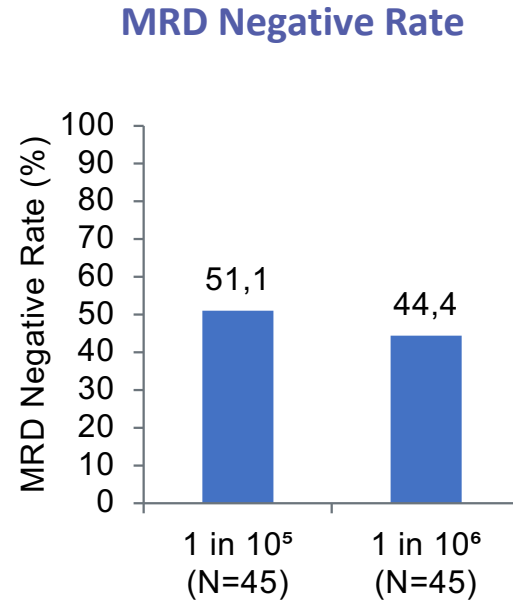
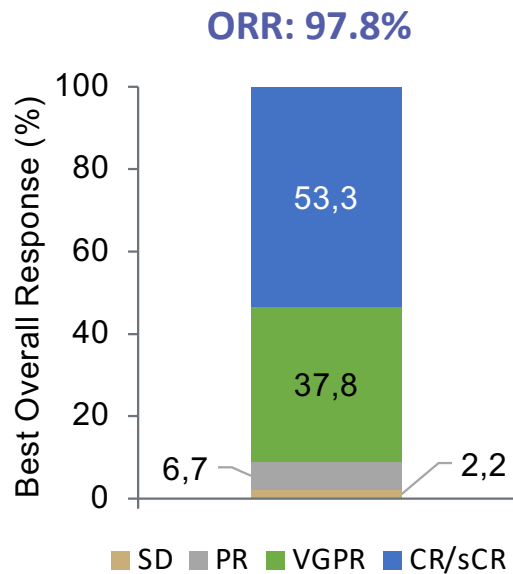


New anti-CD38 containing quadruplets: preliminary data of Isatuximab-VRD





New anti-CD38 containing quadruplets: preliminary data of Isatuximab-VRD



Median follow-up: 15.24 months

Non hematologic G ≥ 3	Pts (n 46)
Constipation	1 (2.2%)
Asthenia	3 (6.5%)
Diarrhea	4 (8.7%)
PNP	1 (2.2%)
Peripheral edema	2 (4.3%)
Insomnia	2 (4.3%)
Back pain	1 (2.2%)
Rash	1 (2.2%)
Dyspnea	1 (2.2%)
IRR	0
Hematologic G ≥ 3	
Neutropenia	19 (41.3%)
Thrombocytopenia	16 (34.7%)
Discontinuation to AE	8 (17%)
Death to AE	5 (11%)



Main ongoing trials with anti-CD38 based quadruplets

TRIAL	REGIMEN	POPULATION	PRIMARY ENDPOINT	STATUS
IMROZ (phase III)	Isatuximab-VRD vs VRD	TNE NDMM ECOG 0-2	PFS	Enrollment completed
CEPHEUS (phase III)	Daratumumab-VRD vs VRD	TNE or TE NDMM Frailty index < 2 ECOG 0-2	MRD	Enrollment completed
IFM2020-05 (phase III)	Isa-Rd vs Isa-VRD	TNE NDMM 65-79 years ECOG 0-2	MRD	Recuiting
NCT04052880 (phase II)	Dara-VRD lite	TNE NDMM ≥ 70 years	≥ VGPR	Enrolling
GMMG CONCEPT (phase II)	TNE arm: Isatuximab-KRD and Isa-KR maintenance	TNE and TE NDMM High-risk	MRD	Enrollment completed (preliminary results at EHA 2021)
TCD13983 (phase I)	Isatuximab-VRD and Isatuximab-VCD	TNE NDMM ECOG 0-2	DLT and ORR	Enrollment completed (preliminary results at ASH 2017, 2018 and ASCO 2020)



CONCLUSIONS AND FUTURE DIRECTIONS

- Upfront deep and durable response is the main treatment goal for fit TNE patients
- Dara-VMP and Dara-Rd induce higher rates of CR/MRD negativity and longer PFS and represent the new standard of care for these patients
- Nevertheless about 50% and 70% of fit patients still fail to achieve \geq CR and MRD negativity
- In this light new quadruplets combining anti-CD38 with VRD/KRD could further ameliorate outcome in fit patients able to tolerate them
- Daratumumab ameliorate the prognosis of high-risk TNE patients that however still show a mPFS $<$ 2 years : new approaches with CART-cell or bispecific antibodies should address this unmet need, particularly in fit patients

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Transplant Unit
Nurses
Data Managing Staff
Statisticians**

