

lymphoma & myeloma
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**MEETING SUMMARY
ASCO AND EHA 2021, VIRTUAL MEETINGS
MULTIPLE MYELOMA**

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Houston, TX, USA**

**HIGHLIGHTS FROM LYMPHOMA & MYELOMA CONNECT
JUNE 2021**

CONFLICT OF INTEREST AND FUNDING

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**OS RESULTS WITH DARATUMUMAB,
LENALIDOMIDE, AND DEXAMETHASONE
VERSUS LENALIDOMIDE AND DEXAMETHASONE
IN TRANSPLANT-INELIGIBLE NDMM:
PHASE 3 MAIA STUDY**

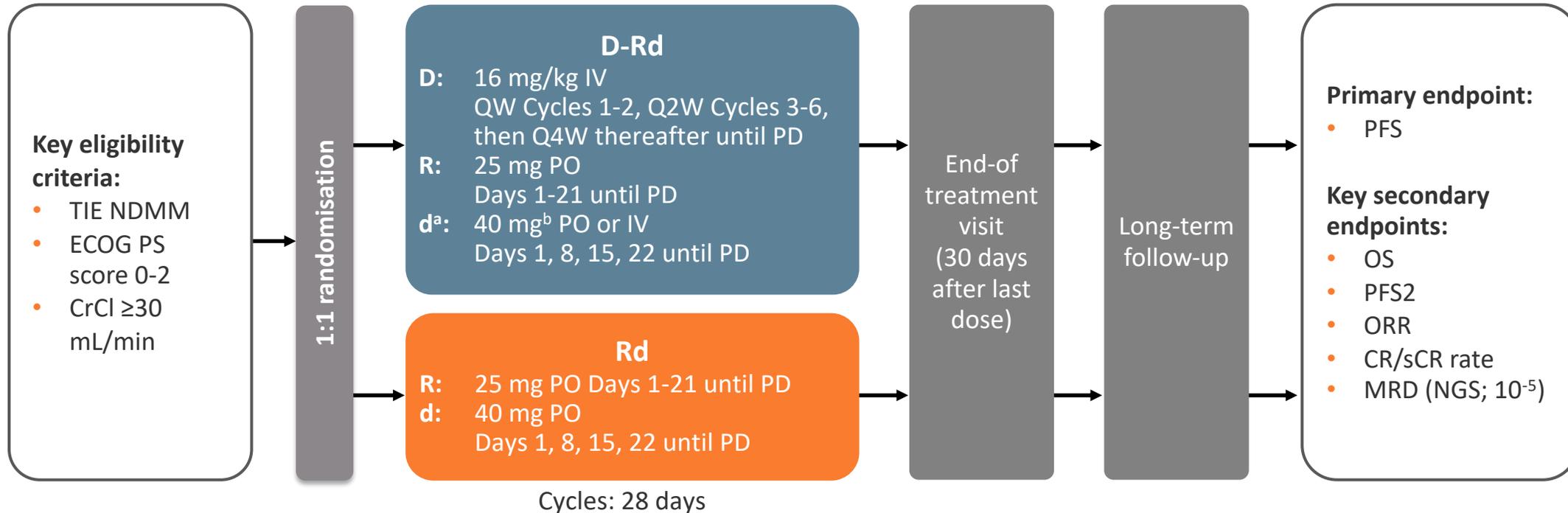
Facon T, et al.

EHA 2021. Abstract #LB1901. Oral presentation

STUDY DESIGN

MAIA: A MULTICENTRE, RANDOMISED, OPEN-LABEL PHASE 3 STUDY

- **D-Rd versus Rd** alone in transplant-ineligible patients with **NDMM**



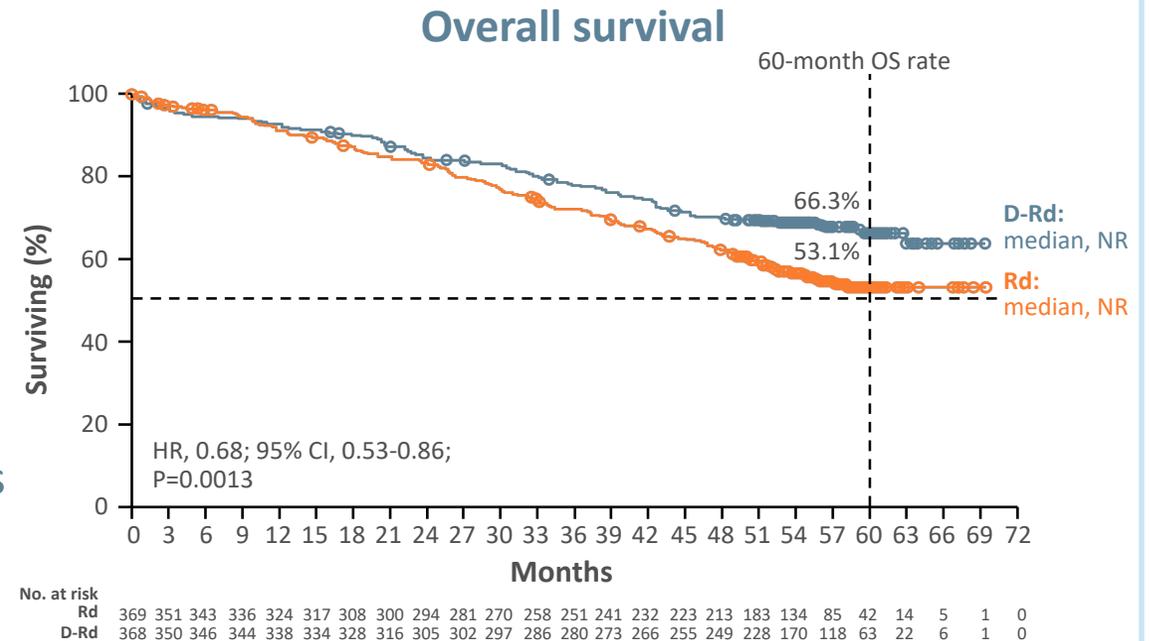
- >40% of patients in each arm was ≥ 75 years of age (median age 73-74 years)
- Updated results from a **prespecified interim OS analysis**, after a median follow-up of 56 months

^aOn days when daratumumab is administered, dexamethasone will be administered to patients in the D-Rd arm and will serve as the treatment dose of steroid for that day, as well as the required pre-infusion medication; ^bFor patients >75 years of age or with BMI <18.5 kg/m², dexamethasone was administered at a dose of 20 mg QW

BMI, body mass index; CR, complete response; CrCl, creatinine clearance; d, dexamethasone; D, daratumumab; ECOG PS, Eastern Cooperative Oncology Group performance status; IV, intravenous; MRD, minimal residual disease; NDMM, newly diagnosed multiple myeloma; NGS, next-generation sequencing; ORR, overall response rate; OS, overall survival; PD, progressive disease; PFS, progression-free survival; PO, oral; QW, once weekly; Q2W, once every 2 weeks; Q4W, once every 4 weeks; R, lenalidomide; sCR, stringent CR; TIE, transplant-ineligible. Facon T, et al. EHA 2021. Abstract #LB1901. Oral presentation

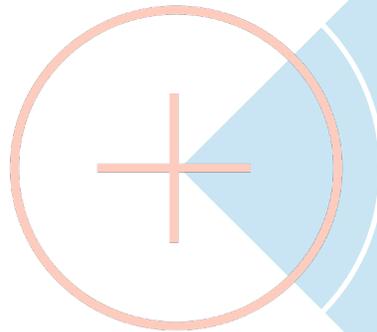
Efficacy

- D-Rd induced **deeper responses** compared with Rd
 - After 56.2 months, ORR was 93% vs 82%
- D-Rd continued to show a **significant PFS benefit**, with median PFS not reached with D-Rd
 - After 60 months, the PFS rate was 52.5% vs 28.7%
- After 5 years of follow up, a **significant OS benefit** is seen, with median OS not reached with D-Rd
 - After 60 months, the OS rate was 66.3% vs 53.1%



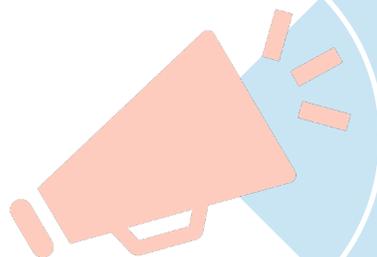
Safety

- Higher incidence of **neutropenia (54% grade 3/4)** and **pneumonia (19% grade 3/4)** in the D-Rd arm
 - No new safety concerns were identified with longer follow up



Second study to show benefit

- After the **ALCYONE study** showed the benefit of adding daratumumab to VMP, **MAIA** is the second study to show **OS benefit with daratumumab** in a frontline regimen in NDMM



New standard of care

- D-Rd is a new standard of care in newly diagnosed transplant ineligible MM

CILTA-CEL, A BCMA-DIRECTED CAR-T THERAPY, IN R/R MM: UPDATED RESULTS FROM CARTITUDE-1

Usmani SZ, et al.

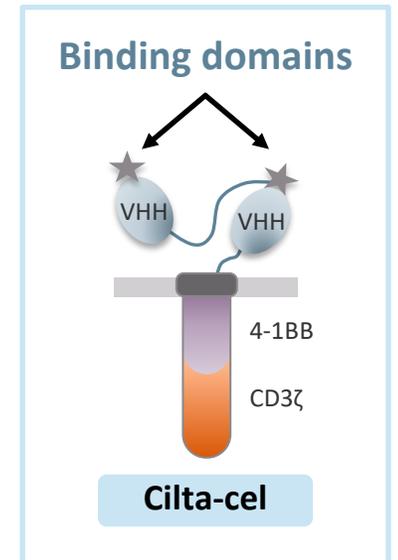
ASCO 2021. Abstract #8005. Oral presentation

EHA 2021. Abstract #EP964. Poster presentation

BACKGROUND AND STUDY DESIGN

CARTITUDE-1: PHASE 1B/2 STUDY OF CILTA-CEL IN R/R MM

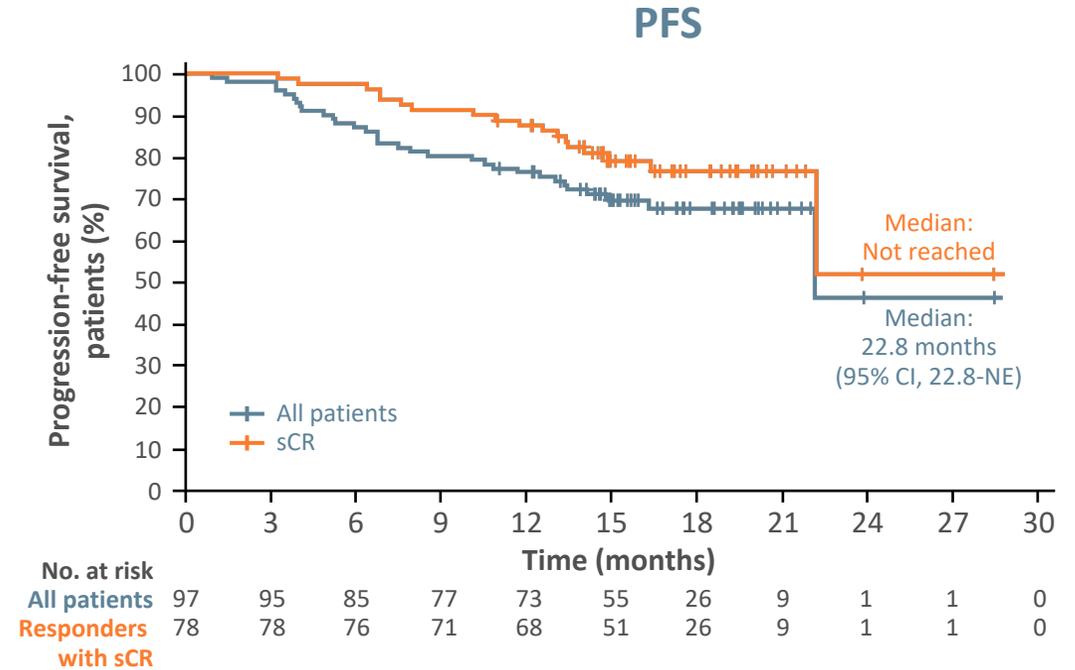
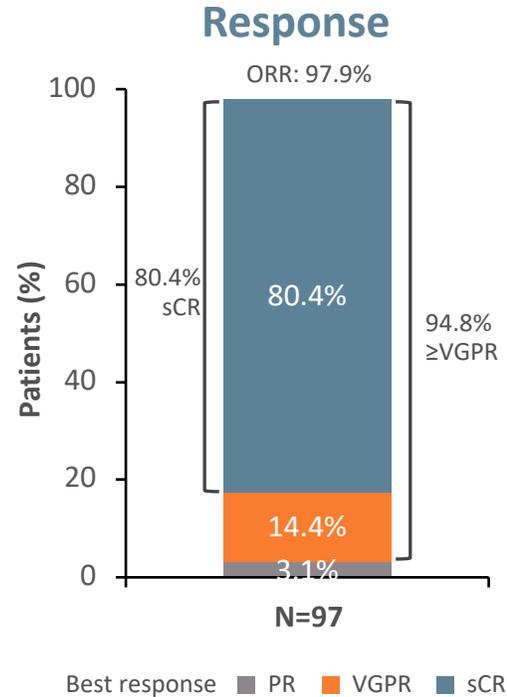
- Ciltacabtagene autoleucel (cilta-cel) is a **CAR-T cell therapy** with two BCMA-targeting single-domain antibodies
- **CARTITUDE-1 primary objectives:**
 - Phase 1b: safety and RP2D
 - Phase 2: efficacy
- Results after median **follow up of 18 months**
- **Heavily pre-treated patients (N=97)**
 - Median of 6 prior lines of therapy (range 3-18)
 - 88% was triple-class refractory (refractory to IMiD, proteasome inhibitor, anti-CD38 monoclonal antibody)



RESULTS

Efficacy

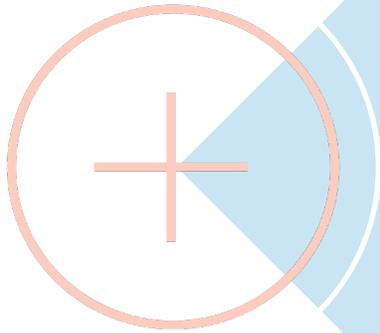
- Unprecedented ORR and depth of response
 - Median DoR 21.8 months
- 66% 18-month PFS
- 81% 18-month OS



Safety

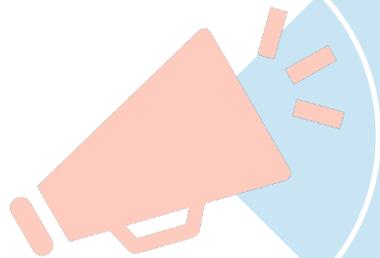
- CRS occurred in 95% of patients (almost all grade 1/2)
- Neurotoxicity occurred in 21% of patients (10% grade ≥3), including ICANS in 16.5% (2.1 grade ≥3)

AUTHORS' CONCLUSIONS AND CLINICAL INTERPRETATION



A single infusion of cilta-cel yielded **early, deep, and durable responses** in heavily pretreated patients with MM

Cilta-cel had a **manageable safety profile** at the RP2D



These cilta-cel data on a longer follow-up time continue to be **very encouraging**

Cilta-cel is undergoing review by FDA and EMA for regulatory approval

IDE-CEL (BB2121), A BCMA-DIRECTED CAR-T CELL THERAPY, IN R/R MM: UPDATED KarMMA RESULTS

Anderson LD, et al.

ASCO 2021. Abstract #8016. Poster presentation

BACKGROUND AND STUDY DESIGN

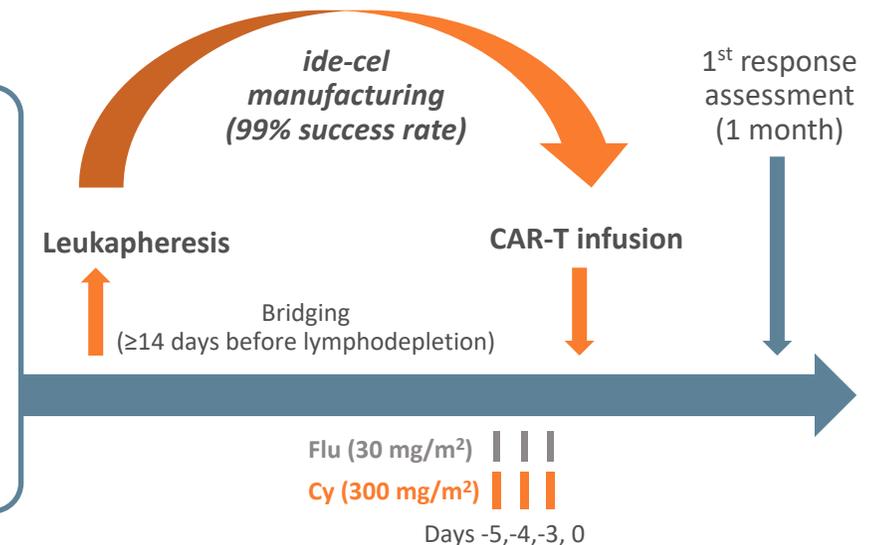
KarMMa: PHASE 2 STUDY OF IDE-CEL IN R/R MM

- Idecabtagene vicleucel (ide-cel) is a BCMA-directed **CAR-T cell therapy approved by the FDA** for R/R MM after ≥ 4 lines of therapy, based on the KarMMa trial
- At ASCO 2021, updated results after approx. **25 months of follow up** were presented

- **Heavily pre-treated patients (N=128)**

- Median of 6 prior lines of therapy (range 3-16)
- 84% was triple-class refractory (refractory to IMiD, proteasome inhibitor, anti-CD38 monoclonal antibody)

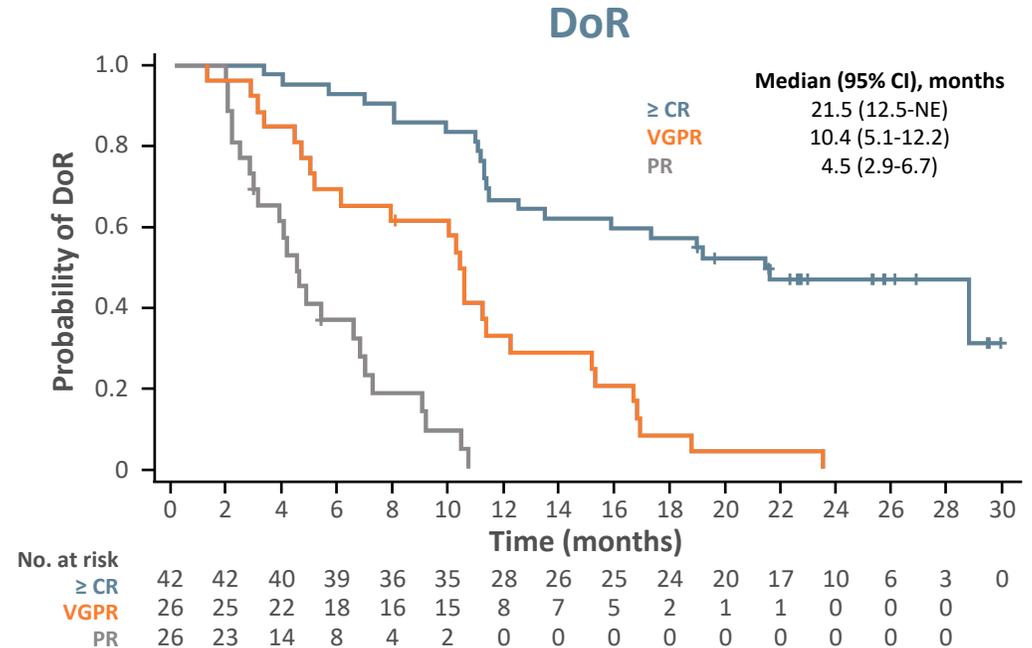
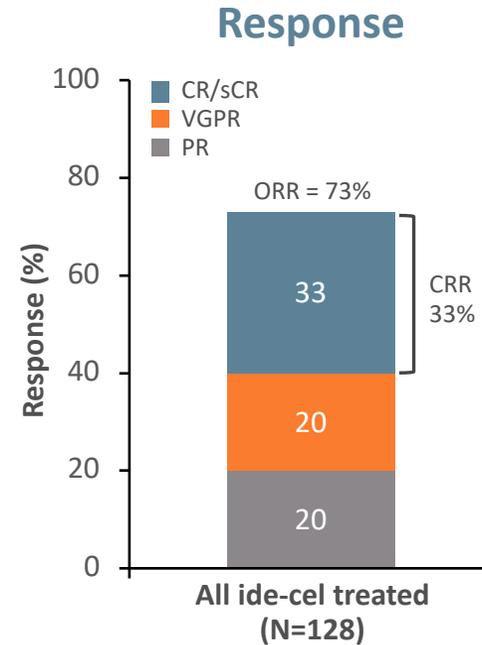
- R/R MM
- ≥ 3 prior regimens with ≥ 2 consecutive cycles each (or best response of PD)
- Previously exposed to:
 - Immunomodulatory agent
 - Proteasome inhibitor
 - Anti-CD38 antibody
- Refractory to last prior therapy per IMWG



RESULTS

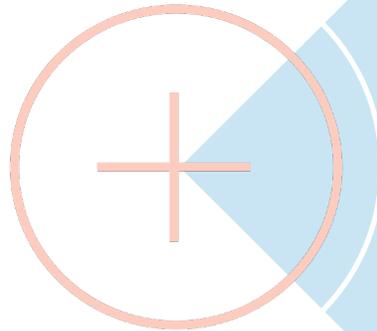
Efficacy

- Unprecedented ORR and depth of response
 - Median DoR 10.9 months
- Median PFS: 8.6 months
- Median OS: 24.8 months

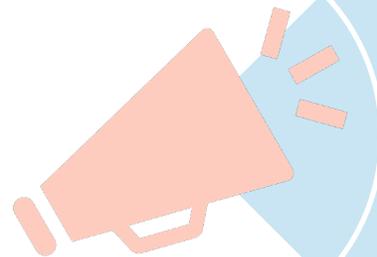


Safety

- CRS occurred in 84% of patients (78% grade 1/2) and neurotoxicity occurred in 18% of patients (4% grade 3)
- The safety profile remained consistent with longer follow up



BCMA CAR-T cell therapy with both ide-cel and cilta-cel shows very high **ORR, DoR, and PFS** compared with historic drug approvals in similarly heavily pre-treated myeloma patients



Ide-cel was FDA approved in March 2021 and EMA review is ongoing

SUBCUTANEOUS DARATUMUMAB + VCD IN PATIENTS WITH NEWLY DIAGNOSED AL AMYLOIDOSIS: UPDATED RESULTS FROM THE PHASE 3 ANDROMEDA STUDY

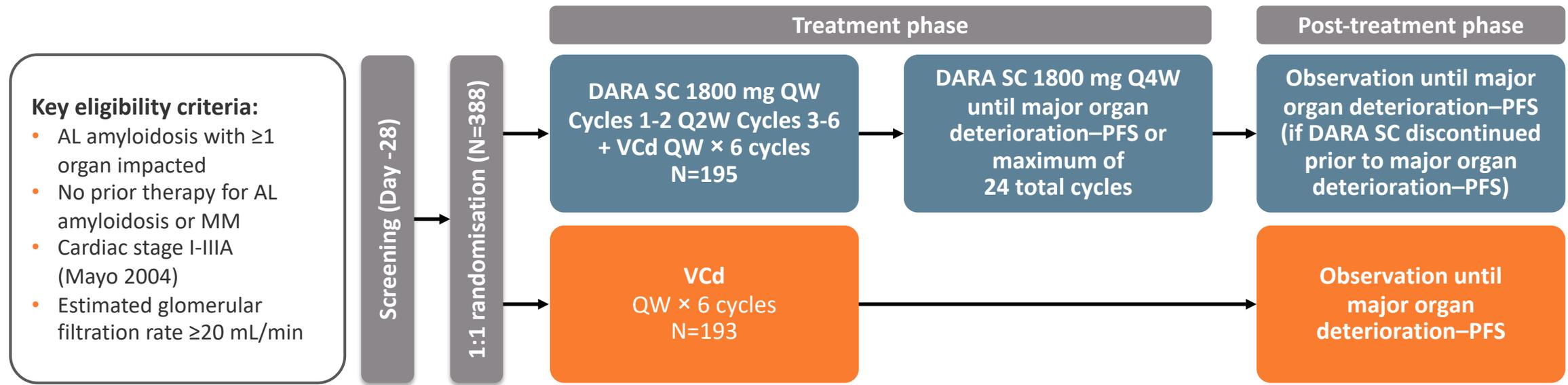
Kastritis E, et al. ASCO 2021. Abstract #8003. Oral presentation

Kastritis E, et al. EHA 2021. Abstract #S189. Oral presentation

BACKGROUND AND STUDY DESIGN

ANDROMEDA: PHASE 3 STUDY OF DARATUMUMAB +/- VCD IN AL AMYLOIDOSIS

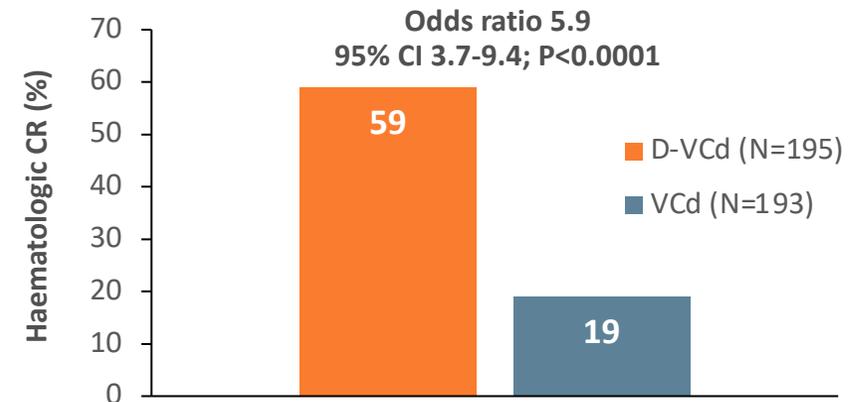
- Primary results from ANDROMEDA were presented at EHA 2020, at 11.4 months median follow-up
 - Adding Dara to VCD led to significantly greater CR, VGPR rates, more rapid haematologic responses and improved organ responses at 6 months
 - Led **Dara-VCD** to become the **first FDA approved therapy for newly diagnosed AL amyloidosis**; in June 2021 it was **approved by EMA**
- At ASCO and EHA 2021, updated results after **20.3 months of follow up** were presented



Efficacy

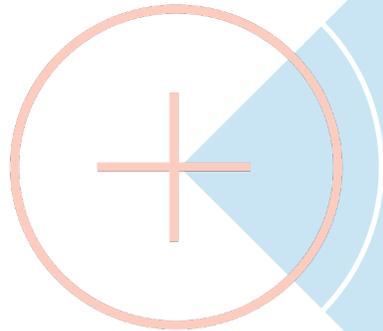
- Adding Dara to VCd **increased the haematologic CR rate** from 19% to 59%
 - Benefit seen across **all subgroups**, including patients with cardiac AL amyloidosis
- 12-month **cardiac and renal responses doubled** with Dara + VCd vs VCd
 - 12-month cardiac response: 57% vs 28%
 - 12-month renal response: 57% vs 27%

Hematologic CR at a median follow-up of 20.3 months

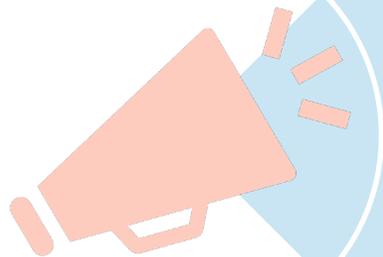


Safety

- The safety profile remained consistent with longer follow up
- In the Dara-VCd group from cycle 7 (Dara monotherapy) grade 3-4 TEAEs occurred in <5% of patients



Daratumumab + VCd is a **new standard of care** for newly diagnosed AL amyloidosis patients



In January 2021, SC daratumumab + VCd was **approved by FDA** for newly diagnosed AL amyloidosis

In June 2021 it was **approved by EMA**

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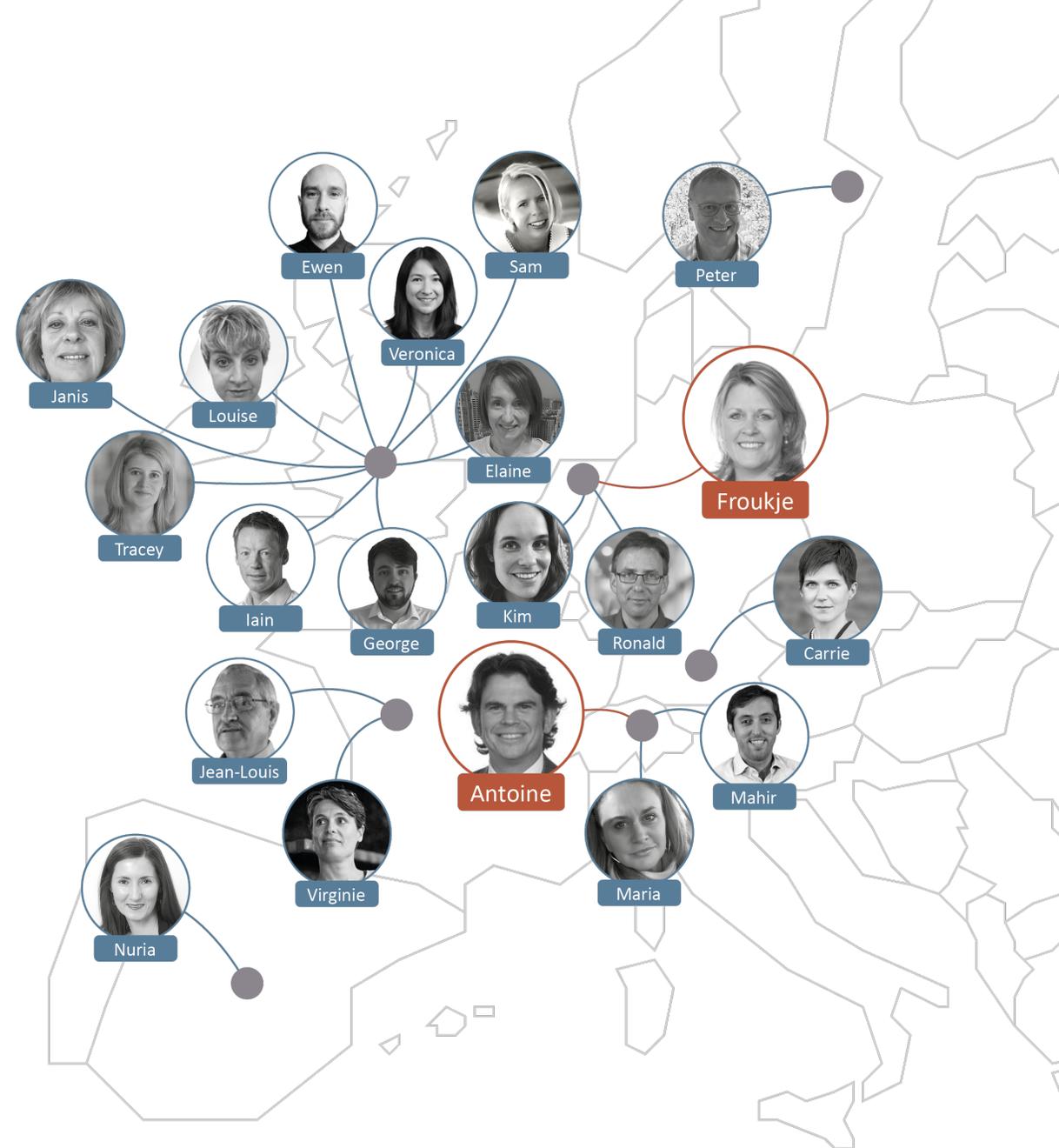
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