

Background

- Adjuvant therapy reduces risk of recurrence in resected Stage II-IV melanoma^{1,2,3,4}.
- Despite adjuvant therapy, many patients still recur and recurrence may be resectable^{5,6}.
- The utility of 'second adjuvant' therapy is unknown⁷.

Objectives

- To explore the efficacy and safety of 'second adjuvant' BRAF/MEKi in BRAFV600 patients who recurred despite adjuvant PD-1 based immunotherapy

Methods

- Retrospective study
- 13 international centres

Results – Adjuvant PD-1

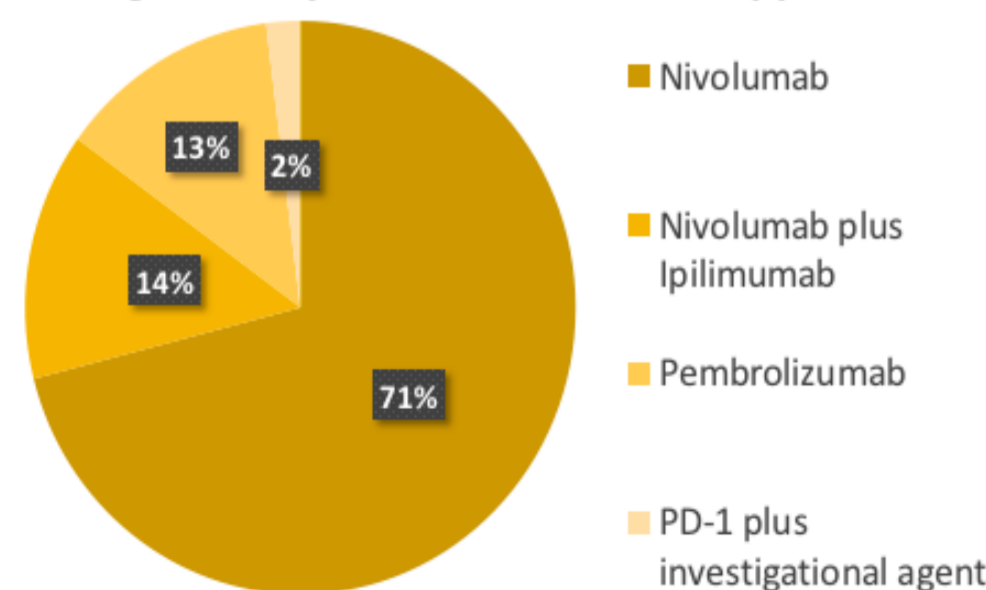
Table 1. Baseline Characteristics

	N=55
Gender	
Male	26 (47%)
Female	29 (53%)
BRAF mutation	
V600E	48 (91%)
V600K	3 (6%)
Other	2 (4%)
Primary histology	
Cutaneous	48 (92%)
Acral	3 (6%)
Mucosal	1 (2%)

Table 2. Characteristics of first adjuvant PD-1 based therapy

	N=55
Age at commencement	Median 52.8 years
ECOG at commencement	
0	51 (93%)
1	1 (2%)
unknown	3
Stage (AJCCv8) at commencement	
IIIA	3 (5%)
IIIB	23 (42%)
IIIC	24 (44%)
IIID	1 (2%)
IV	4 (7%)
Surgical management prior to adjuvant therapy	
SNB	13 (25%)
ITM resected	9 (17%)
CLND	26 (49%)
Resection of metastasis	3 (6%)
Other	2 (3%)
Time on adjuvant therapy	Median 5.0 months 95% CI 3.2-6.9
Reason for cessation	
Completed	10 (19%)
Recurrence	35 (65%)
Toxicity	9 (17%)
Ongoing	0 (0%)

Figure 1. Adjuvant PD-1 Based Therapy



Recurrence after adjuvant PD-1:

- Median 8.4 months (95% CI 6.9 -10.8). Most during adjuvant treatment (65%).

Figure 2. Second Adjuvant BRAF/MEKi

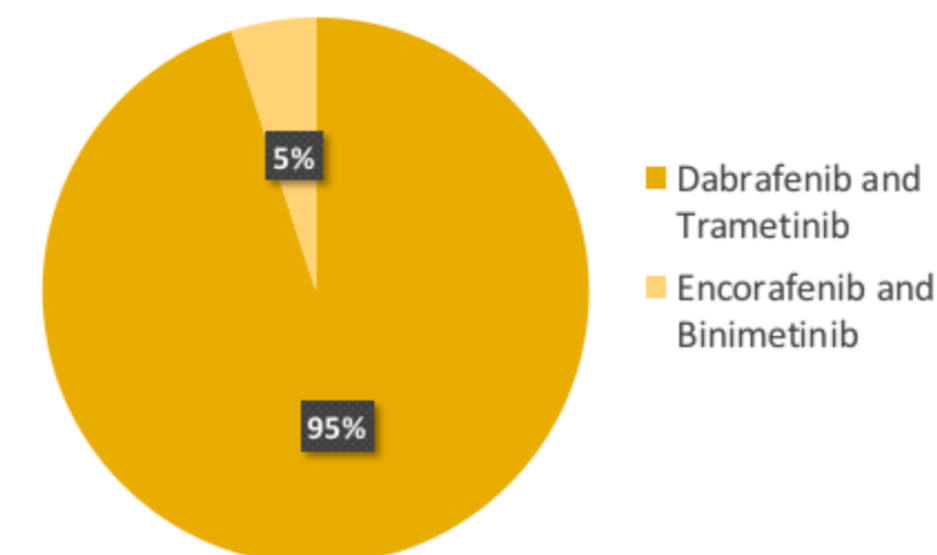


Table 3. Characteristics at start of second adjuvant BRAF/MEKi

	N=55
Age	Median 54.0 years
ECOG	
0	48 (87%)
1	3 (5%)
unknown	4
Stage (AJCCv8)	
IIIA	0 (0%)
IIIB	16 (29%)
IIIC	29 (53%)
IIID	2 (4%)
IV	8 (15%)
Surgical management prior to second adjuvant therapy	
CLND	20 (36%)
ITM resected	18 (33%)
Limited nodal resection	6 (11%)
Resection of metastasis	7 (13%)
Other	4 (7%)

Safety of "Second Adjuvant" BRAF/MEKi:

- Most common toxicity was pyrexia (43%)
- 21% experienced G3-4 adverse event
- 12% experienced an adverse event requiring hospitalisation
- No new safety signals in this setting

Conclusions / Future Directions For Research

- First study examining outcomes of patients receiving second adjuvant therapy for melanoma.
- RFS appears shorter compared to first line trials but higher risk group (15% had resected stage IV disease)
 - COMBI-AD showed for resected stage III BRAF600 patients; RFS at 12 months was 95% for those receiving adjuvant BRAF/MEKi and 56% for placebo group¹ compared to our study showing RFS at 12 months is 72.3%.
- For patients with re-resected BRAF mutant melanoma, second adjuvant treatment with BRAF/MEKi is safe.
- Recurrences in the first year are rare but approximately 50% recur by 2 years. Second adjuvant treatment does not prevent further recurrence in a significant proportion of patients.
- Further data on sequencing adjuvant therapies are needed.

Results – Second Adjuvant BRAF/MEKi

Efficacy of "Second Adjuvant" BRAF/MEKi:

Median FU 21.4 months (19.7-25.4)

Figure 3a. Recurrence Free Survival

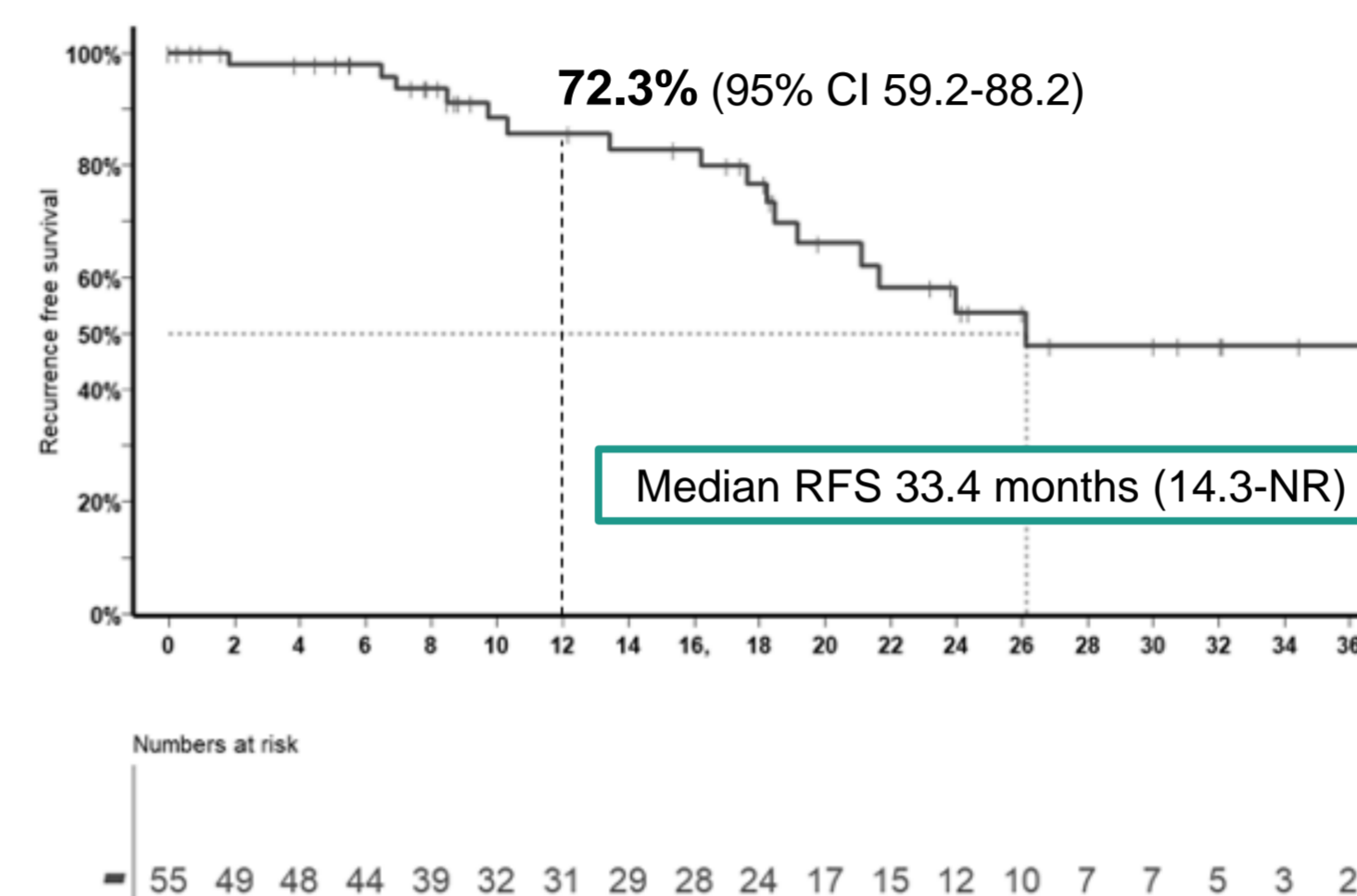


Figure 3b. Distant Metastasis Free Survival

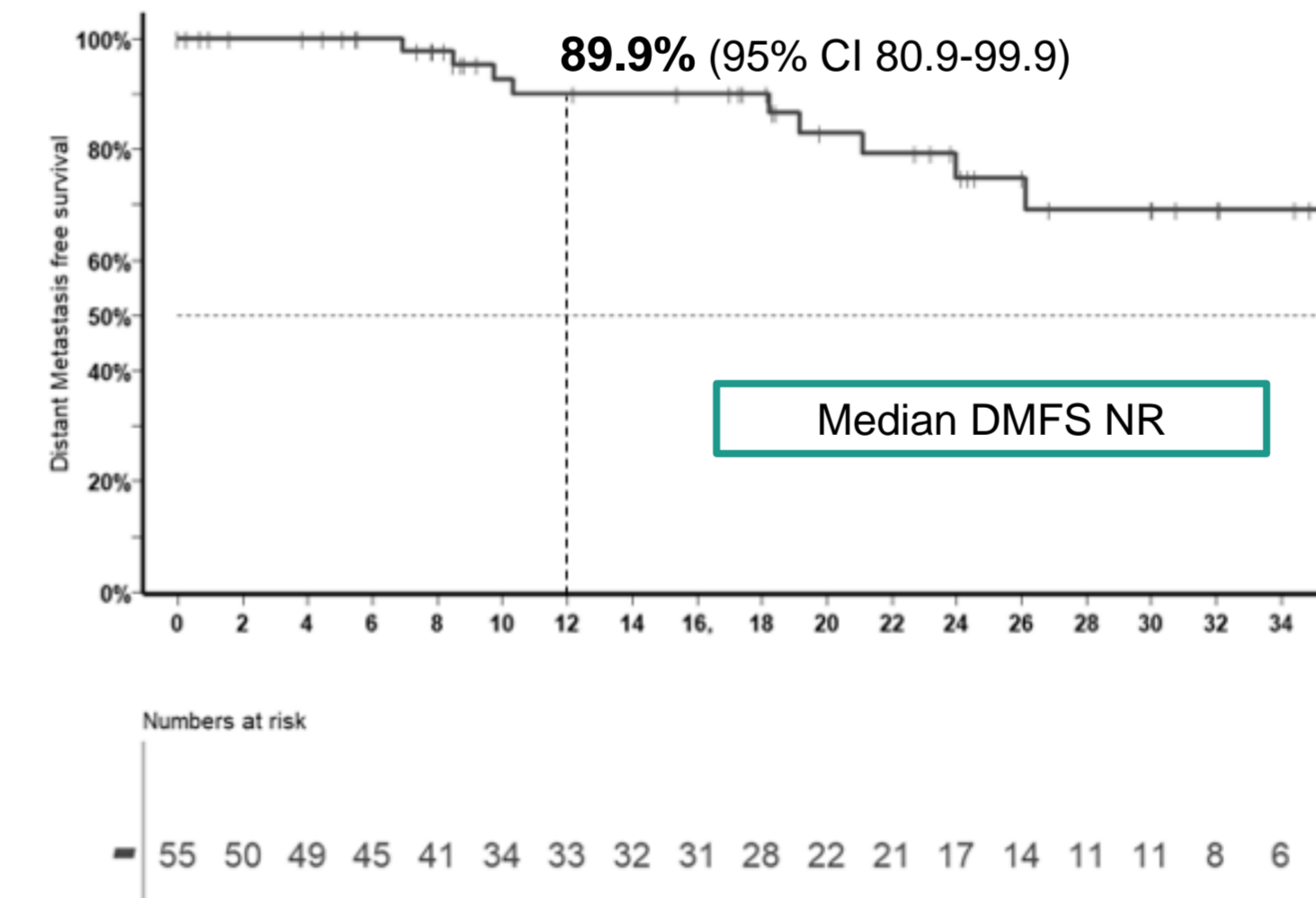


Figure 3c. Overall Survival

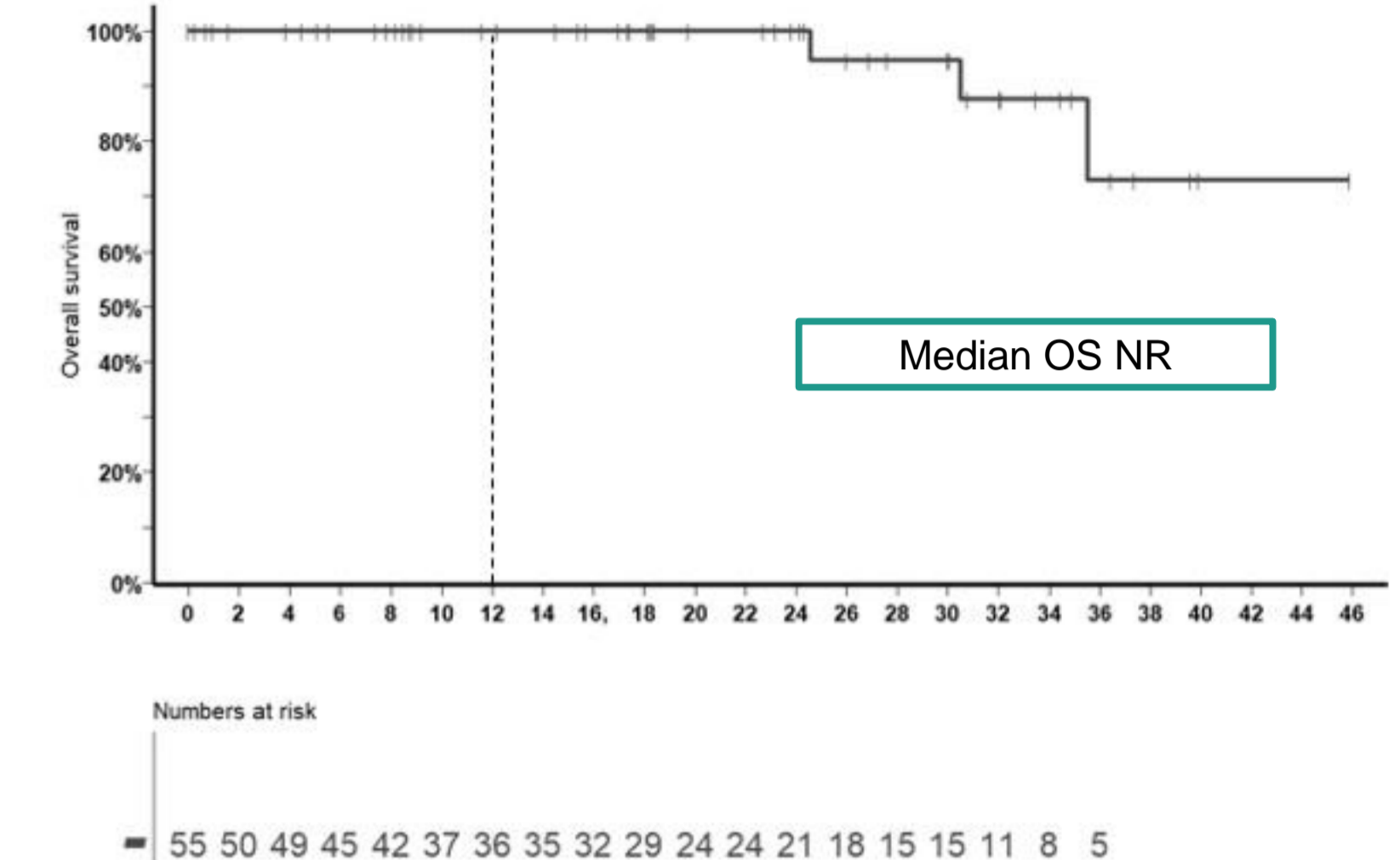


Table 4. Outcomes of Second Adjuvant BRAF/MEKi

Time on adjuvant therapy	N=55
Median	10.1 months
95% CI	7.8-12.0
Reason for cessation	N=55
Completed	21 (38%)
Recurrence	4 (7%)
Toxicity	11 (20%)
Ongoing	19 (35%)
Recurrence on/after BRAF/MEKi	17 (31%)
Locoregional	6 (35%)
Distant	11 (65%)
Recurrence on therapy	4 (24%)
Recurrence off therapy	13 (76%)

References

- Dummer R *et al.* NEJM 2020
- Ascierto PA *et al.* Lancet 2020
- Eggermont AMM *et al.* JCO 2020
- Luke JJ *et al.* Lancet 2022
- Owen CN *et al.* Ann Oncol 2020
- Bhave P *et al.* JCO 2020
- Dimitriou F *et al.* Ann Oncol. 2021

Acknowledgements

All patients and their families.



Copies of this poster obtained through QR Code are for personal use only and may not be reproduced without permission from the author.

