





# Estadios localmente avanzados Carcinoma no microcítico

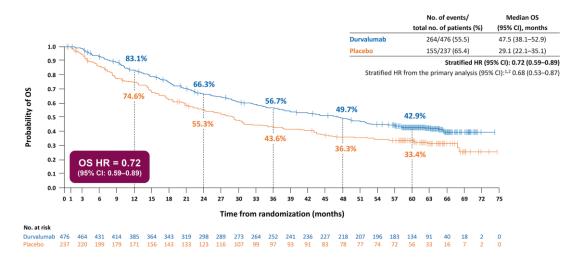
### **Bartomeu Massutí MD**

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Data cutoff: 11 January 2021 (median follow-up: all patients, 34.2 months [range, 0.2-74.7]; censored patients, 61.6 months [range, 0.4-74.7]).

1. Antonia SJ, et al. New Engl J Med 2018;379:2342-50; 2. European Medicines Agency, Durvalumab (Infinzi). Summary of product characteristics 2020.

Available from: <a href="https://www.ema.guopa.eu/en/documents/product-information/infinzi-paper-product-information.en.pdf">https://www.ema.guopa.eu/en/documents/product-information/infinzi-paper-product-information.en.pdf</a> (5. decessed April 2021)

#### **RESULTS**

Table 1: Baseline and treatment characteristics

	N = 150 (%)
Median FU (mo)	15 (IQR 7-22)
ECOG Score 0 1 2	57 (38.0) 73 (48.7) 20 (13.3)
Histology Squamous cell Adenocarcinom a Other	74 (49.3) 70 (46.7) 6 (4.0)
Group Stage I II III IV	7 (4.7) 10 (6.7) 132 (88.0) 1 (0.7)
Chemo Carbo/taxol Cis/etop Other	125 (83.3) 16 (10.7) 9 (6.0)
RT Dose (Gy) <60 60 >60	2 (1.3) 143 (95.3) 5 (3.3)
Durva Cycles	12 (IQR 4-22)

- · 36 pneumonitis events
- 11 grade 3, 2 grade 5
- 1-year risk: 25.7%
- OS at 1- and 3-years 88.7% and 55.5%, respectively

Table 2: Significant predictors of pneumonitis

or pricumonius	
UNIVARIATE	HR
Durva cycles	0.92
Total lung	
Volume	0.68
Mean dose	2.66
Ipsilateral lung	
Volume	0.51
Mean dose	1.71
V5Gy (%)	1.24
V10Gy (%)	1.26
V10Gy (cc)	9.85
V20Gy (%)	1.28
V40Gy (%)	1.30
Contralateral lung	
Volume	0.52
Mean dose	2.42
V40Gy (%)	2.34
MULTIVARIATE	HR
Durva cycles	0.92
Contralateral lung	
Mean dose	4.75

#### Study Design & Status (NCT03798535)

PACIFIC-R: An International, Observational Study



- . 1,399 patients included in the full analysis set (FAS) from 290 active sites in 11 participating countries
  - France (n=342), Spain (244)†, Australia (165), Netherlands (155), Belgium (118), Italy (116), Israel (92), Germany (62), UK (54), Norway (36), and Switzerland (15)

AESI, adverse event of special interest, CRT, chemoradiotherapy, EAP, expanded access programme, IV, intervenously, NSCLC, non-small-cell lung carronr, OS, overall survival, PDL1, programmed cell doubt-ligand 1; FPS, progression-free survival, Q2W, every 2 weeks

#### **Patient Characteristics & Durvalumab Treatment**

Characteristics		FAS (N=1,399)
Age at EAP inclusion (years)	Median (range)	66.0 (26–88)
Age categories, %	≤75 years / >75 years	89.6 / 10.4
Sex, %	Male / Female	67.5 / 32.5
Smoking status at EAP inclusion, %	Never / Current / Former	7.9 / 32.6 / 59.5
01	Stage IIIA	43.2
Stage at diagnosis, %*A	Stage IIIB/C	51.0
	Squamous	35.5
Histological subtype, %*B	Non-squamous	63.1
	Unknown	1.4
ECOG/WHO PS at EAP inclusion, %	0/1/2/3	51.4 / 46.6 / 1.9 / 0.1
	Concurrent	76.6
CRT type, %* <sup>C</sup>	Sequential	14.3
	Other	9.1
DD 14	≥1%	72.5
PD-L1 expression, %*D (Based on n=967 tested patients)	<1%	17.9
(based of fi-507 tested patients)	Inconsistent†	9.6

- Median time to durvalumab initiation from the end of RT = 56 days
- Overall median durvalumab treatment duration = 335 days (~11 months)
  - >12 months' treatment: 20.1%
  - >14 months' treatment: 4.4%
- Patients received a median of 22 durvalumab infusions
  - 7.1% received >26 infusions

Percentages based on patients for whom the data were available; "PD-L1 expression tested but not clearly reported.

\*Because using was massing for n" and n" it had were diagnosed at a stage «III, Histology was missing for n" and n" it had were diagnosed at a stage «III, Histology was missing for n" and n" it had were diagnosed at a stage «III, Histology was missing for n" and n" it had were diagnosed at a stage and II, Histology was missing for not approximately the properties of the propertie

#### Real-world PFS (FAS) – Median Follow-up Duration = 23.0 Months\*

- Median rwPFS in PACIFIC-R was higher than the median PFS reported for the durva. arm of the PACIFIC trial17
- Challenges with collecting rwPFS data limit comparisons between PACIFIC-R and PACIFIC
- RwPFS is likely overestimated as:
  - Germany and UK sites did not collect deaths that occurred prior to study enrolment<sup>‡</sup> (50 early deaths not counted)
  - RECIST criteria for tumour assessments is used heterogeneously across countries
  - Assessments for progression in the real world may not occur as frequently or consistently as in clinical trials; the COVID-19 pandemic may also have resulted in fewer hospital visits

	PACIFIC-R FAS	PACIFIC trial (durva. arm)
PFS	N=1,399	N=476
Total events, N (%)	737 (52.7)	268 (56.3)†
Progression per RECIST	456 (32.6)	
Progression per physician assessment	170 (12.2)	
Progression, assessment unknown	30 (2.1)	
Deaths in absence of progression	81 (5.8)	
Median PFS, months	21.7	16.9
95% CI	19.2–24.5	13.0-23.9
PFS rate, %		
12 months	62.4	55.7
24 months	48.2	45.0

\*Range for median follow-up duration = 0-35.6 months; \*In the PACIFIC trial, PFS was assessed by blinded independent central review per RECIST v1.1; \*Per local regulations Cl, confidence interval; FAS, full analysis set, PFS, progression-free survival; RECIST, Response Evaluation Criteria in Solid Tumors; rw, real-world; UK, United Kingdom

1. Spigel DR, et al. J Clin Oncol 2021;39(15\_suppl):8511

# Durvalumab Treatment Discontinuation

FAS (N=1,399)	Discontinuation reason, n (%)*	Median time from durva start to discontinuation
Patient decision	20 (1.4)	6.1 months
AE	233 (16.7)	2.8 months
Completed treatment <sup>†</sup>	659 (47.1)	12.0 months
Disease progression	377 (26.9)	5.1 months
Death	21 (1.5)	1.9 months

 Pneumonitis/interstitial lung disease (ILD) was the most common AE leading to (% of FAS):

- Permanent discontinuation: 133 (9.5%)‡

- Temporary interruption: 73 (5.2%)<sup>‡</sup>

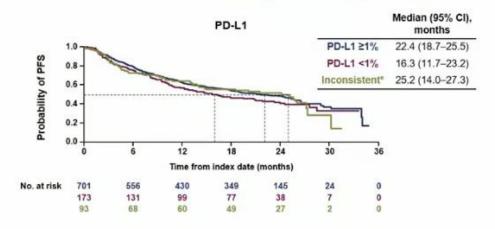
### Pneumonitis/ILD

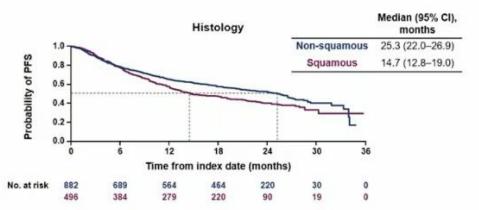
	FAS (N=1,399)
Patients with any pneumonitis/ILD, n (%)§	250 (17.9)
Mild event <sup>¶</sup>	56 (4.0)
Moderate event¶	118 (8.4)
Severe event¶	41 (2.9)
Life-threatening or fatal event¶	5 (0.4)

- Median time to onset of pneumonitis/ILD from durvalumab initiation: 2.5 months
- Corticosteroid administration was required in 71.3% of events#

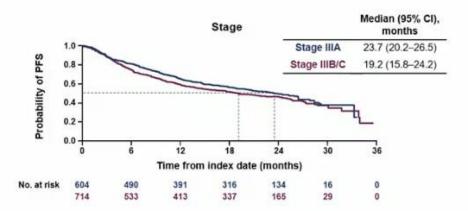
<sup>&</sup>quot;Other discontinuation reason: missing (n=2), 'other' reasons (n=68), lost to follow-up (n=3), and ongoing durvalumab at time of data extraction (n=16); "Investigator's decision per country protocol and, where applicable, was after >12 months' treatment; "Categories are not mutually exclusive (i.e. a single patient could both interrupt and permanently discontinue durvalumab due to pneumonitis/ILD); §37/1,399 patients (2.6%) had pneumonitis/ILD events of unknown severity; ¶Categories are not mutually exclusive – patients experiencing ≥2 events of different severity can be counted under both categories. ¶A total of 279 pneumonitis/ILD events were reported among the 250 patients who experienced pneumonitis/ILD events were reported among the 250 patients who experienced pneumonitis/ILD events were reported among the 250 patients who experienced pneumonitis/ILD events were reported among the 250 patients who experienced pneumonitis/ILD events were reported among the 250 patients who experienced pneumonitis/ILD events were reported among the 250 patients who experienced pneumonitis/ILD events were reported among the 250 patients who experienced pneumonitis/ILD events were reported among the 250 patients who experienced pneumonitis/ILD events were reported among the 250 patients who experienced pneumonitis/ILD events were reported among the 250 patients who experienced pneumonitis/ILD events were reported among the 250 patients who experienced pneumonitis/ILD events were reported among the 250 patients who experienced pneumonitis/ILD events were reported among the 250 patients who experienced pneumonitis/ILD events were reported among the 250 patients who experienced pneumonitis/ILD events who experienced pneum

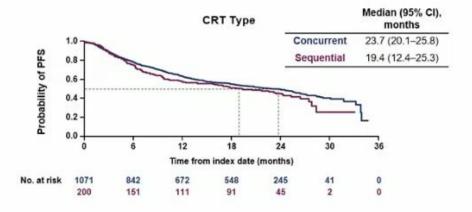
## Real-world PFS by Subgroup



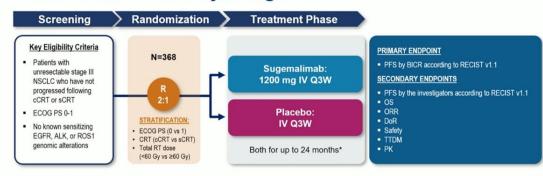








#### **GEMSTONE-301 Study Design**



#### **Statistical Considerations**

- PFS is tested first at a two-sided alpha of 0.05; if PFS is significant, then OS would be tested at a two-sided alpha of 0.05
- Interim and final PFS analysis were planned when approximately 194 and 262 PFS events occurred, respectively. O'Brien-Fleming method was
  used to control the type I error
- · Interim and final OS analysis were planned when approximately 175 and 260 OS events occurred, respectively.



Ongress 'First dose administered within 1–42 days after cCRT or sCRT (including at least 2 cycles of platinum-based chemotherapy) was completed.
BICR, blinded independent central review; cCRT, concurrent chemoradiotherapy; DoR, duration of response; ECOG PS, Eastern Cooperative Oncology Group performance status; IV, intravenous administration; ORR, objective response rate; OS, overall survival; PFS, progression-free survival; PK, pharmacokinetics; RT, radiotherapy; sCRT, sequential chemoradiotherapy; TOM, time to death/distant metastasis

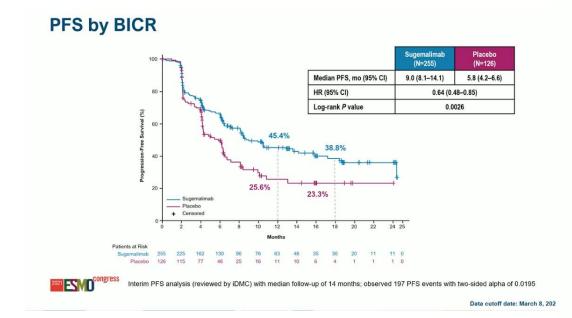
#### **GEMSTONE-301 VS PACIFIC**

	GEMSTONE-301	PACIFIC <sup>1</sup>
Patient area	China	Non-China
Prior CRT	cCRT or sCRT	cCRT only
Treatment period	24 months*	12 months
EGFR/ALK/ROS1	Exclude EGFR/ALK/ROS1+	Not exclude EGFR/ALK/ROS1+
Disease Stage	IIIA: 29%	IIIA: 53%
Histology	SCC:69%	SCC:46%



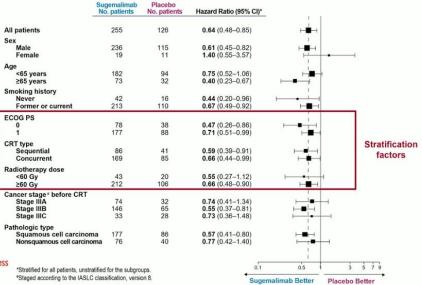
\*if subject can benefit from sugemalimab, treatment period can extend SCC, Squamous cell carcinoma

1Antonia SJ, et al. N Engl J Med 2017;377:1919–29



AEs leading to treatment discontinuation: 11.4% vs 4.8%

#### **Subgroup Analyses of PFS**





"Staged according to the IASLC classification, version 8.

Data cutoff date: March 8, 2021

Concurrent CRT

#### PFS by CRT Type

#### Sequential CRT

#### Placebo (N=41) Placebo (N=85) Median PFS, mo (95% CI) 8.1 (4.0-10.4) 4.1 (2.1-6.1) Median PFS, mo (95% CI) 10.5 (8.1-NR) 6.4 (4.3-9.9) HR (95% CI)\* 0.59 (0.39-0.91) HR (95% CI)\* 0.66 (0.44-0.99) 37.6% 34.3% 34.3% Sugemalimab Sugemalimab --- Placebo — Placebo 11.7%

Sugemalimab 169 152 111 84 Placebo 85 78 57 32

\*Unstratified HR.

Data cutoff date: March 8, 2021



2021 ES Congret

COAST: an open-label, Phase 2, multidrug platform study of durvalumab alone or in combination with novel agents in patients with locally advanced, unresectable, Stage III NSCLC

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"Notif Helboon Institute of Oncology (HHIG), Hospital Universitate Valid Helboon, Bracelona, Spain; "Hospital de la Sacia Oncol Saci Plana Bassecha, Spain: Chaster Possessy Villagia (Fance), Hospital de la Sacia Accusada (Sacia Accusada (Sacia Accusada (Sacia Accusada (Sacia Chaste Carella Accusada (Sacia Chaste Chaste Accusada (Sacia Chaste Chaste Accusada (Sacia Chaster Accusada



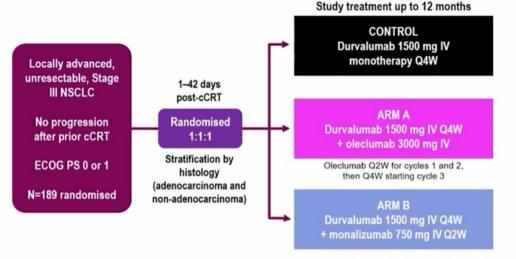
## Rationale for combining durvalumab with oleclumab (anti-CD73) or monalizumab (anti-NKG2A)



- RT induces expression of CD73 and HLA-E (NKG2A ligand), which inhibit antitumour immune response<sup>1-4</sup>
- Oleclumab inhibits CD73 to reduce extracellular adenosine production, thereby promoting antitumour immunity.<sup>5</sup> Oleclumab combined with durvalumab produced durable responses with manageable safety in a Ph I study of advanced EGFRm NSCLC<sup>6</sup>
- Monalizumab blocks NKG2A to reduce inhibition of NK and CD8+ T cells.<sup>7</sup> Monalizumab combined with cetuximab had promising activity with manageable safety in a Ph I/II trial of patients with R/M HNSCC<sup>8</sup>
- Combinations of RT and anti-CD73/NKG2A ± anti-PD-(X) show increased antitumour activity in preclinical models<sup>1,2,4</sup>

ATP, adenosine triphosphate, AMP, adenosine monophosphate, DC, dendritor cell, EGFRn, epidemial growth factor receptor mutant, MISCs, equival color dendred suppressor cell, MK, natural kills.
PO.(1), programmed cell dendit figural 1, RM MISSCs, recurrenterinstant head and next espaciate color mutant. RI matchetery; TRI, future associated morrous, RI matchetery TRI, future associated morrous, RI matchetery TRI, future associated morrous, RI matchetery TRI, future associated morrous, RI matchetery, RI, future associated morrous, RI, future associated mor





#### **Primary Endpoint**

 ORR by investigator assessment (RECIST v1.1)

#### **Secondary Endpoints**

- Safety
- DoR
- · DCR
- PFS by investigator assessment (RECIST v1.1)
- OS
- · PK
- Immunogenicity
- A planned sample size of 60 patients per arm was designed to provide acceptable precision in estimating antitumour activities in an early phase setting
- Between Jan 2019 and Jul 2020, 189 patients were randomised of whom 186 received D (n=66), D+O (n=59) or D+M (n=61)
- As of 17 May 2021, all patients had a minimum of 10 months potential follow-up and the median actual follow-up was 11.5 months (range, 0.4–23.4; all patients)



D, durvalumab; DCR, disease control rate; DoR, duration of response; ECOG, Eastern Cooperative Oncology Group; IV, intravenously; M, monalizumab; O, oleclumab; ORR, objective response rate; OS, overall survival; PFS, progression-free survival; PK, pharmacokinetics; PS, performance status; RECIST, Response Evaluation Criteria in Solid Tumours

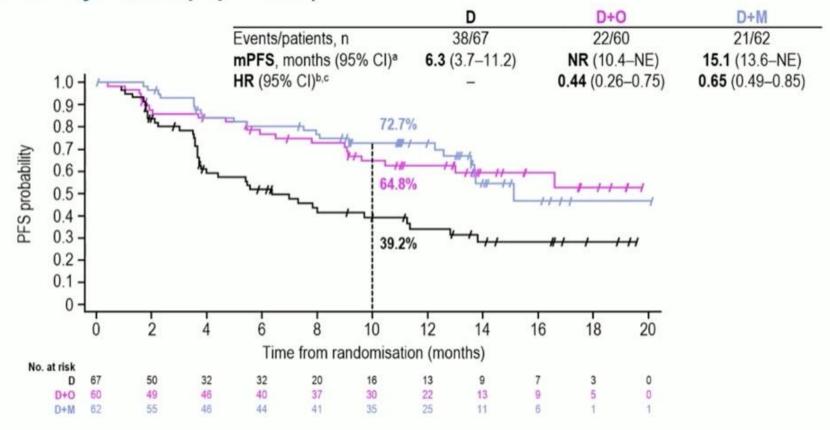
# Antitumour activity by investigator assessment (interim analysis; ITT population)

Antitumour activity	D (N=67)	D+O (N=60)	D+M (N=62)
Confirmed ORR (95% CI), <sup>b</sup> % [n]	<b>17.9 (9.6, 29.2)</b> [12]	<b>30.0 (18.8, 43.2)</b> [18]	<b>35.5 (23.7, 48.7)</b> [22]
Confirmed + unconfirmed ORR (95% CI),b % [n]	<b>25.4 (15.5, 37.5)</b> [17]	<b>38.3 (26.1, 51.8)</b> [23]	<b>37.1 (25.2, 50.3)</b> [23]
ORR odds ratio (95% CI) <sup>a,b</sup>	-	1.83 (0.80, 4.20)	1.77 (0.77, 4.11)
Objective responses by RECIST, <sup>a</sup> n (%) CR PR SD PD NE	2 (3.0) 15 (22.4) 27 (40.3) 15 (22.4) 8 (11.9)	1 (1.7) 22 (36.7) 25 (41.7) 7 (11.7) 5 (8.3)	3 (4.8) 20 (32.3) 27 (43.5) 7 (11.3) 4 (6.5)
DCR at 16 weeks (95% CI), <sup>a,c</sup> % [n]	<b>58.2 (45.5, 70.2)</b> [39]	<b>81.7 (69.6, 90.5)</b> [49]	<b>77.4 (65.0, 87.1)</b> [48]
Median DoR (95% CI), <sup>a</sup> months Range	<b>NR (2.3, NA)</b> 0.0+, 17.5+	<b>12.9 (6.7, NA)</b> 0.0+, 16.9+	<b>NR (9.0, NA)</b> 1.9+, 18.4+



Data cutoff: 17 May 2021 (median follow-up of 11.5 months; range, 0.4-23.4)

# PFS by investigator assessment (interim analysis; ITT population)





alnterim analysis was performed when all patients had a 10-month minimum potential follow-up; Kaplan-Meier estimates for PFS, PFS rate and 95% CIs

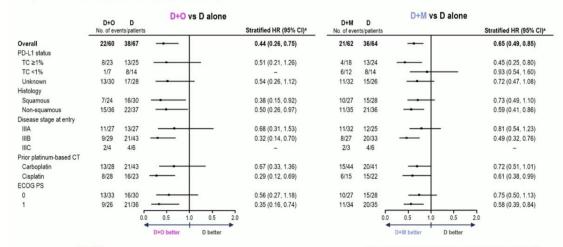
bPFS HR and 95% CI estimated by Cox regression model, stratified by histology (adenocarcinoma and non-adenocarcinoma)

cCompared with the 67 and 64 patients in the D arm enrolled concurrently with patients in the D+O and D+M arms, respectively

CI, confidence interval; HR, hazard ratio; ITT, intention to treat; mPFS, median PFS; NE, not estimable; NR, not reached



## PFS subgroup analysis by investigator assessment (interim analysis; ITT population)





Data cutoff: 17 May 2021 (median follow-up of 11.5 months; range, 0.4–23.4) \*PFS HR and 95% CI estimated by Cox regression model, stratified by histology (adenocarcinoma and non-adenocarcinoma)

## Safety summary (as-treated population)

Incidence, n (%)	D (N=66)	D+O (N=59)	D+M (N=61)
Any TEAEs	65 (98.5)	57 (96.6)	61 (100)
Grade ≥3 TEAEs	26 (39.4)	24 (40.7)	17 (27.9)
Study drug-related AEs	49 (74.2)	46 (78.0)	50 (82.0)
Study drug-related SAEs	6 (9.1)	7 (11.9)	5 (8.2)
AEs leading to discontinuation	11 (16.7)	9 (15.3)	9 (14.8)
Deaths <sup>a,b</sup>	7 (10.6)	4 (6.8)	3 (4.9)

<sup>\*</sup>All reported deaths within 90 days post-last dose, regardless of relationship to study drug

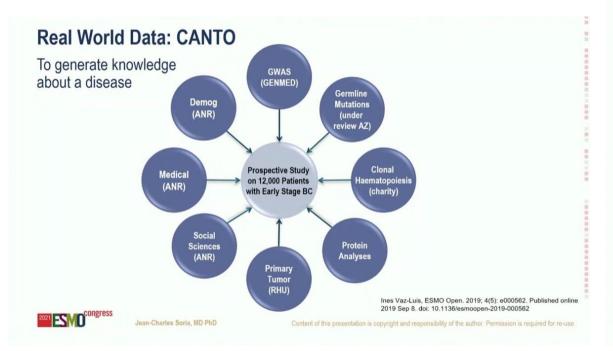


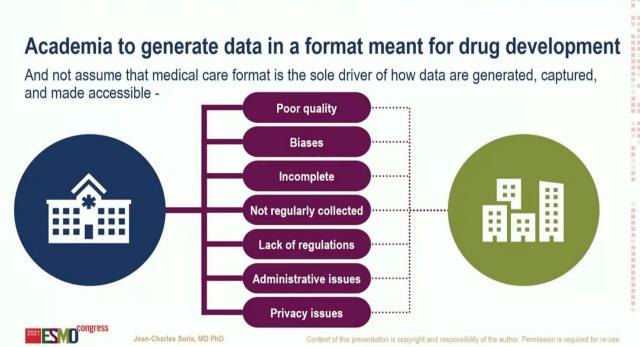
Data cutoff: 17 May 2021 (median follow-up of 11.5 months; range, 0.4–23.4) AE, adverse event, SAE, serious adverse event, TEAE, treatment-emergent adverse event

## Pneumonitis:

D 18.2% vs D+0 20.3% vs D+M 18%

En total, 4 deaths were related to study drug, 2 (pneumonitis and radiation pneumonitis) in the D arm, 1 (pneumonitis) in the D+O arm, and 1 (myocardial infarction) in the D+M arm





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# **GRACIAS**



