

### New Agents after Immunotherapy Resistance Paul A. Bunn, Jr, MD, Distinguished Professor and Dudley Endowed Chair, Univ. of Colorado Cancer Center, Aurora, CO, USA





### KEYNOTE-024, 042 and 189 (TPS>49): 5-Year OS Update



Conclusion: Checkpoint inhibitors alone or with chemotherapy produce 5 year survival rates of about 30% in stage 4 adenoca of lung with TPS>49

# Cemiplimab EMPOWER – Lung 1:(TPS>49): 5-Year OS Update



For patients with high PDL1, multiple PD1 and PDL1 inhibitors produce 30% long term survival rates but 70% will relapse and require alternative systemic therapy. For patients receiving single agent IO, platininum doublet therapy would be standard at progression.

# **KN 189: Overall Survival**

# Patients Without Tumor PD-L1 Expression (TPS <1%)



Borghaei, WCLC 2019

# Do individual patients benefit selectively from distinct immunotherapies? Which patients need CTLA-4 blockade?



Platinum doublet CT may be given at PD in those treated with ipi/nivo Ramalingam SS....Peters S et al, WCLC 2023

First-line atezolizumab versus single-agent CT in patients with NSCLC ineligible for treatment with a platinum regimen (IPSOS): a phase 3, randomised study



Lee sm et al: Lancet 402:451-463,2023

### **ASCO**<sup>°</sup> Guidelines

Second-Line Treatment Options for Patients with Stage IV Non-Small Cell Lung Cancer without Driver Alterations



# **ASCO**° Guidelines

Third-Line Treatment Options for Patients with Stage IV Non-Small Cell Lung Cancer without Driver Alterations



Strength of Recommendation					
s	Strong	м	Moderate	w	Weak

**Notes.** <sup>4</sup> Driver alterations including *EGFR*, *ALK*, *ROS-1*, *BRAF* V600E, *MET* exon 14, *NTRK*, *KRAS*, and *RET* **Abbreviations.** ALK, anaplastic lymphoma kinase; EGFR, epidermal growth factor receptor; NSCLC, non-small-cell lung cancer; PS, performance status

# Second-line therapy for advanced NSCLC







# Progression free survival with subgroup analysis

0 (62)

1 (62)

0 (62)

0



	Ram+	800			
	Events/N	Events/N	HR (80% CI)	P-value	
STOLOGY					
on-Squamous	34/40	34/39	0.95 (0.69,1.29)	0.41	<b>_</b>
uamous/Mixed	23/29	28/28	0.55 (0.38,0.80)	0.02	
)-L1					
D-L1 0	27/29	25/26	0.84 (0.58,1.22)	0.28	
)-L1 1-49	16/21	22/22	0.53 (0.34,0.81)	0.03	I
)-L1 50+	8/12	12/16	0.86 (0.48,1.55)	0.37	
)-L1 1+	24/33	34/38	0.67 (0.48,0.95)	0.07	
1B					
/B <10	29/32	36/38	0.91 (0.66, 1.26)	0.36	
1B 10+	24/33	23/25	0.61 (0.42,0.89)	0.05	
OMARKER					
253	39/48	43/48	0.80 (0.60, 1.06)	0.16	_ <b>_</b> +
DKN2A	22/27	24/24	0.49 (0.33,0.74)	0.01	
RAS	16/21	15/16	0.65 (0.41,1.04)	0.12	<b>_</b>
K11	5/7	10/10	0.41 (0.19,0.90)	0.07	
AP1	2/3	10/10	0.42 (0.15, 1.15)	0.14 -	
RIOR TREATMENT					
+CHEMO COMBO	26/32	40/42	0.88 (0.64, 1.23)	0.31	
IEMO->IO	31/36	21/23	0.63 (0.44,0.90)	0.05	
RFORMANCE					
ATUS					
0	21/23	8/9	0.79 (0.46,1.35)	0.28	
5 1	36/46	54/58	0.71 (0.54,0.94)	0.06	
/ERALL	57/69	62/67	0.86 (0.66,1.14)	0.25	

← Ram + Pembro is Better SOC is Better →

Standard of Care (Inv. Choice) 67 (0) 46 (19)

25 (40)

14 (51)

7 (58)

3 (61)

2 (62)

1 (62)

# S1800A—Overall survival



Median OS for RP 14.5 months v. SOC 11.6 months

HR= 0.69; SLR p-value 0.05

#### Standard of care therapy received:

- Docetaxel + Ramucirumab (n = 45)
- Docetaxel (n = 3)
- Gemcitabine (n = 12)
- Pemetrexed (n = 1)
- No treatment (n = 6)

# S1800A Safety summary—Percentage of patients with Grade 3-5 AEs





### **TROPION** –pan Tumor 01

	Dato-DXd Dose				
	Buto Brid Booc				
Response	4 mg/kg (n = 50)	6 mg/kg (n = 50)	8 mg/kg (n = 80)		
Confirmed ORR, No. (%)	11 (22)	13 (26)	19 (23.8)		
95% CI	11.5 to 36.0	14.6 to 40.3	14.9 to 34.6		
CR	0	0	1 (1.3)		
PR	11 (22)	13 (26)	18 (22.5)		
ORR confirmed and pending confirmation, No. (%)	15 (30)	16 (32)	25 (31.3)		
PR pending confirmation	4 (8)	3 (6)	6 (7.5)		
DCR, No. (%)	38 (76)	35 (70)	63 (78.8)		
95% CI	61.8 to 86.9	55.4 to 82.1	68.2 to 87.1		
SD, No. (%)	26 (52)	20 (40)	42 (52.5)		
Non-CR/PD, No. (%)	1 (2)	2 (4)	2 (2.5)		
PD, No. (%)	7 (14)	10 (20)	8 (10)		
NE, No. (%)	5 (10)	5 (10)	9 (11.3)		
TTR, months, median (range)	1.4 (1.2-8.2)	1.4 (1.2 to 5.7)	1.4 (1.2 to 13.7)		
DOR, months, median (95% Cl)	12.7 (2.8 to NE)	10.5 (5.6 to 26.5)	9.6 (5.8 to NE)		
PFS, months, median (95% Cl)	4.3 (2.9 to 6.9)	6.9 (2.7 to 8.8)	5.2 (4.1 to 7.1)		
OS months median	12.9 (9.4 to NE)	11.4 (7.1 to 20.6)	10.5 (8.0 to 12.0)		

(95% CI)



Shimizu T et al JCO 41:4678-4687,2023

# **TROPION-Lung01 Study Design**

Randomized, Phase 3, Open-Label, Global Study (NCT04656652)

### **Key Eligibility Criteria**



**Stratified by:** histology,<sup>b</sup> actionable genomic <u>alteration</u>,<sup>c</sup> anti–PD-(L)1 <u>mAb</u> included in most recent prior therapy, <u>geography</u><sup>d</sup>

# **PFS by Histology**



PFS HR for non-squamous without AGAs: 0.71 (0.56, 0.91)

# **Progression-Free Survival: ITT**



# Interim Overall Survival: ITT



# **TROPION-Lung04 Study Design**

Phase 1b, multicenter, open-label, dose escalation/confirmation and expansion study



· Primary endpoint: Safety and tolerability

Key secondary endpoints: ORR and disease control rate by investigator assessment per RECIST v1.1

#### Data cut-off: March 6 2023.

<sup>a</sup> Patients in Cohort 1 and one patient in Cohort 2 had received ≥1 platinum-based chemotherapy regimen and anti-PD-1/PD-L1 therapy as per an earlier version of the clinical study protocol. Subsequent patients were treatment-naïve or had ≤1 prior line of systemic chemotherapy without concomitant immune checkpoint inhibitors. <sup>b</sup> Dose escalation was guided by a mTPI-2 design and conducted sequentially from Cohort 1 to 2 (Dato-DXd 4 mg/kg to 6 mg/kg) and Cohort 2 to 4 (doublet to triplet combination). <sup>c</sup> Cohort 3 was skipped as there were sufficient data available from the Dato-DXd development program to conclude that 4 mg/kg Dato-DXd in combination with immunotherapy and carboplatin has an acceptable safety profile. AUC, area under the curve; ECOG PS, Eastern Cooperative Oncology Group performance status; mTPI-2, modified toxicity probability interval-2; Q3W, once every 3 weeks; RECIST v1.1, Response Evaluation Criteria in Solid Tumors version 1.1.

### Dato-Dxd in 1L NSCLC



### EVOKE-02: An Open-Label, Multicohort Phase 2 Study, 1st Line



#### Waterfall Plot of Response

Efficacy by Investigator Assessment

Efficacy by INV&	Cohort A (PD-L1 TPS ≥ 50%) SG + Pembro n = 29	Cohort B (PD-L1 TPS < 50%) SG + Pembro n = 32	Total SG + Pembro n = 61
ORR <sup>b</sup> (95% CI), %	69 (49-85)	44 (26-62)	56 (42-69)
PR, n (%) - confirmed and unconfirmed	20 (69)	14 (44)	34 (56)
Confirmed PR, n (%)	18 (62)	12 (38)	30 (49)
SD, n (%)	5 (17)	11 (34)	16 (26)
PD, n (%)	3 (10)	2 (6)	5 (8)
DCR≘ (95% CI), %	86 (68-96)	78 (60-91)	82 (70-91)
Median DORse (95% CI), months	NR (5.6-NR)	NR (3.5-NR)	NR (7.9-NR)
DOR rate at 6 monthsds (95% CI), %	88 (39-98)	88 (39-98)	87 (58-97)

KEYNOTE 189: ORR:

62.1% (TPS≥50%), 50% (TPS 1-49%), 48.3% all comers



- SG + Pembro demonstrated encouraging antitumor activity in patients with 1L mNSCLC across PD-L
  - ORR was 69% and DCR was 86% in Cohort A
  - ORR was 44% and DCR was 78% in Cohort B
  - Median DOR was not reached, and DOR rate at 6 months was 88% in both cohorts

The safety profile of SG + Pembro was manageable and consistent with the known safety of each a

- The most common any-grade TEAEs were diarrhea, anemia, and asthenia
- TEAEs leading to treatment discontinuation were low (18%)

# **Prevalence of CEACAM5**

CEACAM5 is expressed in 38% of lung adenocarcinoma and 20% of lung squamous cell carcinoma but not in healthy lung tissue.

			Prevalence IHC (% of total cases)			s)
Tissue type	N	Membrane- positive cases, n (%)	Weak	Moderate	Strong	Very strong
Lung adenocarcinoma	58	22 (38%)	10	21	7	0
Lung squamous cell carcinoma	143	28 (20%)	7	12	1	0
Normal lung tissue	75	0	0	0	0	0

Carcinoembryonic antigen-related cell adhesion molecule 5 (CEACAM5) stimulates NSCLC progression through the promotion of cell proliferation and migration<sup>1.</sup> In vitro, ablation of CEACAM5 blocks NSCLC cell proliferation and migration<sup>1.</sup> CEACAM5 is an attractive target for antibody-based therapies designed to selectively deliver cytotoxic drugs to some epithelial tumors<sup>2</sup>

1. Decary S, et al. *Clin Cancer Res.* 2020;26(24):6589-6599. **2.** Zhang X, et al. *J Int Med Res.* 2020;48(9):0300060520959478.

### SAR408701: Expansion Study in 92 Patients With Nonsquamous NSCLC

Efficacy				
	Moderate expressors (n=28)	High expressors (n=64)		
ORR, % PR, n (%)	7.1% 2 (7.1%)	20.3% (95% CI 12.27-31.71) 13 (20.3%)		
SD, n (%)	NR	27 (42.2%)		
ORR in prior anti- PD1/PDL1, %	NR	17.8%		

- Dose modifications due to TEAEs: 31 patients (33.7%)
  - Dose reduction for keratopathy/keratitis: 10 patients (10.9%)
- Grade  $\geq$ 3 TEAEs occurred in 47.8% of patients
  - Assessed as drug-related: 15.2%

### Most Common TEAEs (All Grades)

	All patients (n=92)
Asthenia	38.0%
Keratopathy/keratitis	38.0%
Peripheral neuropathy	26.1%
Dyspnea	23.9%
Diarrhea	22.8%

#### **Hematologic Toxicity**

	All patients (n=92)
Leukopenia	14.4%
Neutropenia	4.4%
Thrombocytopenia	13.3%

# Efficacy and safety of SAR408701 in patients with non-squamous NSCLC expressing CEACAM5



### **Best overall response**

Response, n (%)	High expressors (n = 64)	Moderate expressors (n = 28)
ORR [95% CI]	13 (20.3%) [12.27-31.71]	2 (7.1%) [1.98-22.65]
Confirmed PR	13 (20.3%)	2 (7.1%)
SD	28 (43.8%)	15 (53.6%)
DCR	41 (64.1%)	17 (60.7%)
PD	21 (32.8%)	10 (35.7%)
NE	2 (3.1%)	1 (3.6%)

#### Treatment-Emergent Adverse Events (TEAEs) – Pooled Data of NSCLC Cohorts

SAR408701 100 mg/m <sup>2</sup> Q2W (n=92)			
All Grades, n (%)	Grade ≥3, n (%)		
92 (100%)	47 (51.1%)		
35 (38.0%)	10 (10.9%)		
34 (37.0%)	4 (4.3%)		
25 (27.2%)	1 (1.1%)		
21 (22.8%)	1 (1.1%)		
20 (21.7%)	10 (10.9%)		
19 (20.7%)	0		
14 (15.2%)	0		
12 (13.0%)	1 (1.1%)		
10 (10.9%)	0		
10 (10.9%)	0		
	SAR408701 100 r         All Grades, n (%)         92 (100%)         35 (38.0%)         34 (37.0%)         25 (27.2%)         21 (22.8%)         20 (21.7%)         19 (20.7%)         14 (15.2%)         12 (13.0%)         10 (10.9%)         10 (10.9%)		

aboratory	(n=92)			
bnormalities	All Grades, n (%)	Grade ≥3, n (%)		
lematological toxicity				
Neutropenia	4 (4.4%)	0		
Anemia	69 (75.8%)	2 (2.2%)		
Thrombocytopenia	11 (12.2%)	0		

Ocular Events	SAR408701 100 mg/m² Q2W (n=92)			
	Grades 1-2, n (%)	Grade 3, n (%)		
Corneal AE	25 (27.2%)	10 (10.9%)		
Dose modification				
Keratitis	12 (13.0%)	7 (7.6%)		
Keratopathy	8 (8.7%)	1 (1.1%)		



(5.4%) patients, all as a symptom of progressive disease. \*Standardized MedDRA Queries (SMQ): "peripheral neuropathy" (broad + narrow)

Dyspnea was the most frequent serious TEAE, reported in 5

# Keratopathy: Clinical Presentation

- Keratopathy presents as deposits of microcysts, initially at the periphery of the cornea<sup>1</sup>
- As it progresses, the deposits typically migrate towards the center of the cornea<sup>2</sup>
- Symptomatic keratopathy may manifest as dry eye, blurred vision, decrease in visual acuity, eye irritation, or punctate keratitis<sup>2</sup>
- In asymptomatic keratopathy, microcysts are present on routine ocular examination but the patient is asymptomatic, including no changes in vision<sup>3</sup>



#### Microcysts visualized by fluorescein staining<sup>2</sup>

#### ADC, Antibody-drug conjugate

1. Eaton JS, et al. J Ocul Pharmacol Ther. 2015;31(10):589-604. 2. Gazzah A, et al. Ann Oncol. 2022;33(4):416-425. 3. National Cancer Institute. Common Terminology Criteria for Adverse Events (CTCAE) version 4.03. Published June 14, 2010.

### Selected ongoing trials with tusamitamab ravtansine, (anti-CEACAM5) ADC in NSCLC

ClinicaTrial.gov ID	Phase	Setting		Treatment arms	1 endpoint
CARMEN-LC03 NCT04154956	3	Previously treated, CEACAM5 positive metastatic non-squamous NSCLC patients	450	Tusamitamab ravtansine vs docetaxel	PFS, OS
CARMEN-LC05 NCT04524689	2	Patients with no prior systemic CT CEACAM5 positive expression advanced/metastatic non- squamous NSCLC	120	Tusamitamab ravtansine combined with pembrolizumab Tusamitamab ravtansine combined with pembrolizumab and platinum-based CT with or without pemetrexed	Incidence of drug- related dose- limiting toxicity
CARMEN-LC06 NCT05245071	2	Non-squamous NSCLC patients with progression after platinum-based CT and immune checkpoint inhibitor with negative or moderate CEACAM5 expression tumors and high circulating CEA	38	Tusamitamab ravtansine	ORR
CARMEN-LC04 NCT04394624	2	Metastatic, non-squamous, NSCLC patients with CEACAM5-positive tumors, previously treated with platinum-based CT and an immune checkpoint Inhibitor	43	Tusamitamab ravtansine + pembrolizumab Tusamitamab ravtansine and ramucirumab and pembrolizumab	Incidence of drug- related dose- limiting toxicity

#### **TABLE 1.** Clinical Data With ADCs in Lung Cancer (excluding HER2-directed ADCs)

Target	Agent	Study	Sample Size—Patients (No.)	Treatment (RP2D or RDE)	ORR, No. (%)	Median PFS, months (95% CI)	Median OS, months (95% CI)	Safety and Toxicities (%)	References
TROP-2	Dato-DXd	Phase I, dose-escalation and expansion study	180	6 mg/kg every 3 weeks	25	6 (NE)	NE	Grade 3 stomatitis (2%), nausea (1%), neutropenia (1%). ILD by independent adjudication any grade: 4 mg/kg 10% (one grade 1, three grade 2, one grade 3), 6 mg/kg 4% (two grade 2), and 8 mg/kg 15% (three grade 1, five grade 2, one grade 3, three grade 5	Meric-Bernstam et al, <sup>42</sup> Spira et al, <sup>43</sup> Garon et al <sup>44</sup>
	SG	Phase I/II basket trial	54	10 mg/kg D1 D8 every 3 weeks	16.7	4.4 (3.6 to 9.7)	16.8 (9.0 to 21.9)	Grade 3 nausea (3.6%), diarrhea (7.9%), vomiting (2.8%) grade 3 anemia (10.3%) Neutropenia: grade 3 28.9%, grade 4 13.5% Febrile neutropenia: grade 3 4.2%, grade 4 1.0%	Bardia et al <sup>23</sup>
HER3	HER3-DXd	Phase I dose-escalation/ expansion study	57 (EGFRm) 47 (EGFRwt)	5.6 mg/kg every 3 weeks	39 (EGFRm) 28 (EGFRwt)	EGFRm 8.2 (4.4 to 8.3) EGFRwt 5.4 (3. 9 to 12.7)	NE	Grade 3 thrombocytopenia 30%, anemia 9%, neutropenia 19%, Adjudicated treatment-related ILD 7% (two grade 1, one grade 2, one grade 3)	Janne et al <sup>45</sup> Steuer et al <sup>46</sup>
MET	Teliso-V	Phase I dose-escalation/ expansion study	16 c-MET+ by IHC	2.7 mg/kg every 3 weeks	18.8	5.7 (1.2 to 15.4)	NE	Grade 3 fatigue (14.3%), grade 3 anemia (7.1%), grade 3 neutropenia (7.1%) grade 3 hypoalbuminemia (4%), grade 3 peripheral edema (2.1%), grade 3 hypophosphatemia (2.1%)	Strickler et al <sup>47</sup>
		Phase II	136 c-MET+ by IHC: OE ≥25% 3+	1.9 mg/kg every 2 weeks	36.5	NE	NE	Any grade AEs: peripheral sensory neuropathy (25%), nausea (22.1%), hypoalbuminemia (20.6%)	Camidge et al <sup>48</sup>
CEACAM-5	TUSA	Phase I dose-expansion study	92 CEACAM+ by IHC: 64 high 28 moderate	100 mg/kg every 2 weeks	20.1 (high) 7.1 (moderate)	NE	NE	Grade 3 keratopathy (10.9%), dyspnea (11%), asthenia (4.3%)	Gazzah et al <sup>49</sup>
B7-H3	I-DXd	Phase I dose escalation/ expansion study. SCLC cohort	19	12 mg/kg every 3 weeks	58	NE	NE	Grade 3 anemia (19%), neutropenia (7%), nausea (3%), pneumonia (3%). Any grade IRR 32%, one grade 3, one case of grade 5 ILD	Doi et al <sup>50</sup>

Abbreviations: ADCs, antibody-drug conjugates; AEs, adverse events; Dato-DXd, datopotamab deruxtecan; HER3-DXd, patritumab deruxtecan; I-DXd, ifinitamab deruxecan; IHC, immunohistochemistry; ILD, interstitial lung disease; IRR, infusion-related reaction; m, mutant; NE, not evaluated; OE, overexpression; ORR, objective response rate; OS, overall survival; PFS, progression-free survival; RDE, recommended dose for expansion; RP2D, recommended phase II dose; SCLC, small-cell lung cancer; SG, sacituzumab govitecan; Teliso-V, telisotuzumab vedotin; TUSA, tusamitamab ravtansine; wt, wild-type.

Datopotamab-DXd	TROP2					
	_	NCT03401385 [TROPION-PanTumor01]	I	NSCLC (multiple cohorts) Pretreated SCLC	Dato-DXd	DLTs AEs
		NCT05460273 (TROPION-PanTumor02)	1/11	Pretreated (≥2L) NSCLC without AGA in Chinese patients	Dato-DXd	ORR
		NCT04612751 (TROPION-Lung04)	I	First-line and pretreated NSCLC without AGA	Dato-DXd plus ICI (different agents) ± carboplatin	DLTs
		NCT04656652 (TROPION-Lung01)	111	Pretreated NSCLC with or without AGA	Dato-DXd v docetaxel	PFS OS
		NCT04484142 (TROPION-Lung05)	Ш	Pretreated NSCLC with AGA	Dato-DXd	ORR
		NCT04940325 (ICARUS-Lung01)	Ш	Pretreated NSCLC with or without AGA	Dato-DXd	ORR
		NCT04526691 (TROPION-Lung02)	1	NSCLC without AGA (≤two prior lines)	Dato-DXd plus pembrolizumab ± platinum chemotherapy	DLTs
		NCT05215340 (TROPION-Lung08)	III	First-line NSCLC with PD-L1 ≥50% (no AGA)	Dato-DXd plus pembrolizumab v pembrolizumab monotherapy	PFS OS
		NCT05555732 (TROPION-Lung07)	Ш	First-line NSCLC with PD-L1 <50% (no AGA)	Dato-DXd plus pembrolizumab +/- platinum-doublet v platinum-doublet plus pembrolizumab	PFS OS
Sacituzumab	TROP2	NCT03337698 (Morpheus-Lung)	lb/II	(Multiarm) NSCLC Pretreated cohort	Atezolizumab plus SG	ORR
govitecan (SG)		NCT05633667 (VELOCITY-Lung)	Ш	NSCLC without AGA	1L: Zimberelimab (ZIM) + SG + domvanalimab (DOM) Previous CTx and ICI: SG + ZIM + etrumadenant	ORR
		NCT05609968 (EVOKE-03)	Ш	First-line NSCLC with PD-L1 ≥50% (no AGA)	Pembrolizumab v pembrolizumab + SG	PFS OS
		NCT05186974 (EVOKE-02)	Ш	First-line NSCLC without AGA	SG plus pembrolizumab or SG plus pembrolizumab plus platinum	ORR DLTs
		NCT05089734 (EVOKE-01)		Pretreated NSCLC with/without AGA (previous CTx and ICI)	SG v docetaxel	OS
		NCT04826341	1/11	Pretreated SCLC cohort	SG + berzosertib (PARPinh)	MTD ORR
Tusamitamab ravtansine (TUSA)	CEACAM5	ICT04154956 (CARMEN-LC03)		Pretreated nonsq NSCLC CEACAM5+ (previous CTx and ICI)	TUSA v docetaxel	PFS OS
		NCT04524689 (CARMEN-LC05)	11	First-line and pretreated nonsq NSCLC nonsq without AGA, CEACAM5+	TUSA plus pembrolizumab or TUSA plus pembrolizumab plus platinum ± pemetrexed	DLTs
		NCT05245071 (CARMEN-LC06)	Ш	Pretreated NSCLC nonsq CEACAM5 0-2+ High circulating CEA levels (previous CTx and ICI)	TUSA	ORR
		NCT04394624 (CARMEN-LC04)	Ш	Pretreated NSCLC nonsq CEACAM5 ≥2+ (previous CTx and ICI)	TUSA plus ramucirumab	DLTs ORR
Telisotuzumab vedotin (Teliso-V)	c-MET	NCT03539536	Ш	NSCLC c-MET+ (IHC) ≤two prior lines	Teliso-V	ORR AEs
		NCT05513703	11	First-line NSCLC c-MET amplified	Teliso-V	ORR
		NCT04928846	Ш	Pretreated NSCLC c-MET+ (IHC)	Teliso-V v docetaxel	PFS OS
Ifinatamab Deruxtecan (I-DXd)	B7-H3	NCT05280470	11	Pretreated ES-SCLC	I-DXd 8 or 12 mg/kg	ORR
Vobramitamab duocarmazine (MGC018)	B7-H3	NCT03729596	1/11	NSCLC cohort	MGC018	AEs DLTs
Mecbotamab vedotin (BA3011)	AXL	NCT04681131	11	NSCLC	BA3011 monotherapy or plus anti-PD-1	ORR AEs
Cofetuzumab pelidotin	PK7	NCT04189614	1	Pretreated NSCLC PK7+ (IHC)	Cofetuzumab pelidotin	ORR
Enfortumab vedotin	PRVL4	NCT04225117	11	Pretreated NSCLC cohorts	Enfortumab vedotin	ORR
Tisotumab vedotin	TF	NCT03485209	Ш	Pretreated sq NSCLC	Tisotumab vedotin	ORR
MRG003	EGFR	NCT04838548	Ш	Pretreated EGFR-mutant NSCLC	MRG003	ORR
Ozuriftamab vedotin (BA3021)	ROR2	NCT03504488	11	Pretreated NSCLC (failed all available SoC therapy)	CAB-ROR2-ADC plus anti-PD-1	ORR
Upifitamab rilsodotin	NaPi2b	NCT03319628	1/11	Pretreated nonsq NSCLC	Upifitamab rilsodotin	MTD ORR

Ongoing Phase III 2<sup>nd</sup> line trials vs docetaxel