UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 8-K

Current Report Pursuant to Section 13 or 15(d) of The Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): June 3, 2024

MAIA Biotechnology, Inc.

(Exact name of registrant as specified in its charter)

Delaware (State or other jurisdiction of incorporation) 001-41455 (Commission File Number) 83-1495913 (IRS Employer Identification No.)

444 West Lake Street, Suite 1700 Chicago, IL (Address of principal executive offices)

60606 (Zip Code)

(312) 416-8592

(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

□ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

□ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

Dependencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

□ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

	Trading	Name of each exchange
Title of each class	Symbol(s)	on which registered
Common Stock	MAIA	NYSE American

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (17 CFR §230.405) or Rule 12b-2 of the Securities Exchange Act of 1934 (17 CFR §240.12b-2).

Emerging growth company ⊠

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. \Box

Item 7.01 Regulation FD Disclosure.

1. MAIA Biotechnology, Inc. (the "Company") has prepared a poster (the "Poster") showing the efficacy data from its Phase 2 THIO-101 clinical trial evaluating THIO sequenced with the immune checkpoint inhibitor (CPI) cemiplimab (Libtayo®) in patients with advanced non-small cell lung cancer (NSCLC) who failed 2 or more standard-of-care therapy regimens. The Poster was originally displayed at the American Society of Clinical Oncology (ASCO) 2024 Annual Meeting on June 3, 2024 and will also be posted to the Company's website on June 3, 2024, a copy of which is filed as Exhibit 99.1 to this Current Report on Form 8-K (this "Report") and is hereby incorporated by reference.

2. The Company has prepared a supporting deck (the "Supporting Deck") showing the efficacy data from its Phase 2 THIO-101 clinical trial evaluating THIO sequenced with the immune checkpoint inhibitor (CPI) cemiplimab (Libtayo®) in patients with advanced non-small cell lung cancer (NSCLC) who failed 2 or more standard-of-care therapy regimens, which was posted to the Company's website on June 3, 2024, a copy of which is filed as Exhibit 99.2 to Report and is hereby incorporated by reference.

The information contained in each of the Poster and the Supporting Deck is summary information that should be considered in the context of the Company's filings with the Securities and Exchange Commission and other public announcements the Company may make by press release or otherwise from time to time. Each of the Poster and the Supporting Deck speaks as of the date of this Report. While the Company may elect to update the Poster and/or the Supporting Deck in the future to reflect events and circumstances occurring or existing after the date of this Report, the Company specifically disclaims any obligation to do so.

Each of the Poster and the Supporting Deck contains forward-looking statements, and as a result, investors should not place undue reliance on these forward-looking statements.

The information set forth in this Report, including, without limitation, the Poster and the Supporting Deck, is not be deemed to be "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), or otherwise subject to the liabilities of that Section, nor shall it be incorporated by reference into a filing under the Securities Act of 1933, as amended, or the Exchange Act, regardless of any general incorporation language in such filing, except as shall be expressly set forth by specific reference in such a filing. This Report (including the exhibits hereto) will not be deemed an admission as to the materiality of any information required to be disclosed solely to satisfy the requirements of Regulation FD.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits.

Exhibit No. Do	Description
99.1 <u>P</u>	Poster
99.2 <u>St</u>	Supporting Deck
104 C	Cover Page Interactive Data File (embedded within the Inline XBRL document)

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Dated: June 3, 2024

MAIA BIOTECHNOLOGY, INC.

By: <u>/s/ Vlad Vitoc</u> Name: Vlad Vitoc Title: Chief Executive Officer

Introduction

Depite recent approvals for the first-line treatment of advanced Non-Small CL Long Cancer (NSCLC), long-term prognosis remains poor with a 5-year sunvival rate of 28%-3 and limited options exist in patients refractory or resistant to immune checkgroin inhibitors (LCD).

Table of 28% and Limited options want in parents refraction or instant to the 20% and the 20% and the 20% and 20% and

Here we describe a phase 2 dose-optimization study (NCTO5208944) for adult patients with advanced NSCLC who progressed or relapsed after 1–4 prior treatment lines including first-line ICI alone or in combination with platinum

Methods

Using a modified 3+3 design, the safety lead-in (Part A) enrolled 10 patients who received THE0 360 mg TV (120 mg Q0, D1-3), followed by 350 mg cemiplimab on D5, Q3W.

Following completion of Part A, enrollment was opened in the dose-finding partion of the study (Part B).

Jointon on the study (varie to). Using a Simon 2-stage design, 7-9 patients were assigned to one of the THIO doses: 360, 180, or 60 mg followed by cemplimab Q3W for up to 1 year in Part B. Disease status is assessed at Cycle 3 Day 1, Cycle 5 Day 1 and every 9-12 weeks thereafter.

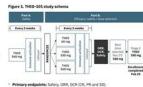
The trial completed enrollment in February 2024. We report here data from the 79 patients enrolled on the study, who received at least one dose of the treatment. An expansion cohort is planned based on data from Part 8 (n=100).

Baseline characteristics

At the time of data cut-off (30 April 2024), 79 patients with advanced NSCLC had received ≥1 dose of THI0.

had received ±2 does of THID. All patients had previously failed ±2 prior line of ICI s chemotherapy in the advanced setting and had documented disease progression at study entry. 34% of patients had ±2 prior treatment lines at study entry.

Characteristic	60 mg (n=24)	380 mg (n=41)	360 mg (n=14)	Total (N=79)
Median age (rangel, years	67 (52-85)	68(45-81)	88(50-75)	67 (45-85)
Sex, = (%)				
Female	10(42)	11 (27)	7 (50)	28 (35)
Male	14(58)	30 (73)	7 (50)	51(65)
Number of prior lines, n (%)				
1	17(71)	30 (73)	5(36)	52 (66)
2	61251	10 (25)	6 (43)	22 (28)
3	3 (4)	0(0)	2 (14)	3 (4)
	0.000	1.029	1(7)	2.00
ECOG PS. n (%)				
0	6 (25)	8(20)	7 (50)	21(27)
1	18 (75)	33 (80)	7 (54)	58 (73)
Histology, n (%)				
Non-Squamous cell carcinoma	15 (63)	25(61)	8 (57)	48 (60)
Squamous cell carcinoma	9 (17)	3.6 (39)	6 (43)	31(40)
Brain metastases, n (%)	1.040	1 (2)	2 (14)	4 (5)
Liver metastases. n(%)	4(37)	5 (52)	3 (21)	12(15)



ndpoints: DoR; PFS; OS. endpoints: PK and PD (ac Explora

Safety findings

Table 3. Related Grade 23 TEAEs

Preferred term	60 mg (a=24)	180 mg (an41)	360 mg (n+14)	Total (N=79)
Appartate aminotransferase increased	6 (25.0%)	10(24.4%)	4(28.6%)	20 (25.3%)
Manine aminotransferase increased	6 (25.0%)	8(19.5%)	3(21.4%)	17(21.5%)
Nausea	3 (4.2%)	1(2.4%)	7 (50.0%)	9(11.4%)
Ahemia	0 (0.0%)	254.9%)	1 (7.1%)	3 (3.8%)
Neutropenia	2(8.3%)	\$ (2.4%)	0 (0.0%)	3 (3.8%)
Pytexia	010.0%0	214.9%)	1(7.1%)	3 (3.8%)
Decreased appetite	010.0%3	1(2.4%)	2(14.3%)	3 (3.8%)
Blood alkaline phosphatase increased	1 (4.2%)	1(2.4%)	0.10.0%)	2(2.5%)
Blood bilirubit increased	010.0%0	\$ (2.4%)	1 (7.1%)	2 (2.5%)
Gainma-glutamytransferase increased	010.0%)	2 (4.9%)	0.00.0%	2 (2.5%)
Leukopenia	1(4,2%)	010.0%	1(7.1%)	2 (2.5%)
Asthenia	010.0%)	214,9%)	010.0%	2 (2.5%)
Engthema	010.0%3	214.9%3	0.02.0%)	212.5%
Hypothyroidiam	0(0.0%)	214.9%3	0.(0.0%)	2 (2.5%)
Infusion velated reaction	010.0%0	214.9%3	0.03.0%0	2(2.5%)

	wheread terms	60 mg (n=24)	180 mg (m-41)	360 mg	Total (N=79)	
ú	anine aminotransferase increased	3(12.5%)	4(9,8%)	2 (14.3%)	9(11.4%)	
ŝ	spartate aminotransferase increased	5(20.8%)	214.9%3	2154.5%2	9(31.4%)	
ú	nutropenia	2(8.3%)	0.00.0%	0(0.0%)	212.5%	
Ń	ood alkaline phosphatase increased	0.02.0%	1(2.4%)	0(0.0%)	1(1.9%)	
à	amma-glutamyltranderase increased	0 (0.0%)	1 (2,4%)	0.00.0%3	3 (2.3%)	
h	pase increased	1(4.2%)	0.00.0%3	0.00.0%)	3 (3.3%)	
i,	ausea	0 (0.0%)	010.0%2	1(7.1%)	3 (3.3%)	
h	rperkalamia	1(4.2%)	0(0.0%)	0 (0.0%)	3 (3.3%)	
	THIO + cemiplimab has so far be population, with most events bei	ng Grade 1-3	t in severity			
	Most TEAEs were laboratory valu and 2.4% at the 180 mg dose) an at the 180 mg dose).					
÷	No study drug-related Grade 5 ex	ents have be	en reporte	d		
ł	No study drug-related Grade 4 ex	ents have be	en reporte	d at the 180	mg dose.	
ł	No DLTs have been reported in th	e Part A safe	ty lead in.			
ł	A related Grade >3 ALT increase 2 patients receiving 360 mg, 4 at symptoms were associated with returned to baseline or normal w	180 mg, and the elevated	3 at 60 mg laboratory	. No clinica	L	
i	All other related Grade 23 events	occurred in	<\$% of pat	ients.		
•	Following an event of Grade 4 LF Part B, enrollment into the 360 n			eceiving 36	0 mg in	
	Enrollment was completed in Par	t B at the sel	ected dose	of 180 mg	cycle in	

oruary 2024. th currently available chemotherapy in this patient population, Grade 5 ents are expected in 5% of cases, Grade 4 events in 23.8% and Grade 3 in .4%...¹

The ORR in the 3L setting with the 180 mg dose is 38%, which compares favorably with response rates reported of ~6% for other currently available treatments for heav pre-treated patients. Median survival follow-up in the 3L setting has surp 9.1 months. The safety profile of THIO has the potential to be far better than chemotherapy. Treatment has the poten be given folonger, which usually translates into lon survival. The ongoing Phase 2 study selected the best dose of THI0 in November 2023. The 180 mg dose has shown better safety and superior efficacy compared with other doses to date. 9.8% of patients receiving the 180 mg dose reported related Grade 23 AEs. There were no reported related Grade 4 and 5 AEs in the 180 mg dose.

Efficacy findings

Conclusions

69 evaluable patients had completed $>\!\!1$ post-baseline assessment at the time of data cut-off (65 in 2L, 20 in 3L, 4 in 4L+). Partial Responses (PRs) per RECIST 1.1 were observed in 9 patients (6 in 21, 3 in 31), with 6 PRs confirmed (3 in 21, 3 in 31) by a 2nd scan per Investigators' assessment 5 patients have survival follow-up for >12 months (3 with treatment ongoing).

- Spatistic have survival follow-upder s12 months (1) with treatment or In the 31 setting: OCR was 85% for THIO vs. standard of care 25-35% for chamothem = 137/2016950 patients conset the 35-month OCR threadod.³¹ = 177/2018950 patients conset the 35-month OCR threadod.³¹ = The modula survival follow-update mis scareterly #3 month (sin-20). In the 31 setting with THIO at 350 mg. = Median PES 5.5 months (241 seetfal; Green at 6 months: 75%, = 048 31% (311) vs. Linadard of care 4-20% for chemothemapy⁴¹ = 78 mdbs) patients consed the 35-month S5 threadodd.³¹ = 73 dBMD patients consed the 35-month 75 streadodd.³¹ = 71 m modas survival follow-update accounter 4.3 month (sin-21).
- The median survival follow-up time is currently 9.1 months (n=8).

Biomarker findings

TIF (Telomere dysfunction Induced Foci) analysis demonstrated the intended on-target mechanism of action: modification of telomeres in circulating turnor cells (CTCs) by THIO (see Figures 4 and 5).

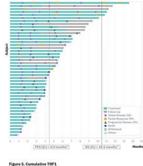
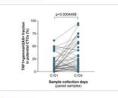


Figure 2. Patients receiving TH10 as 2L treatment (n=45)*



References

Shay JW, Bacchetti S. Eur J Cancer 1997;33:787-91. Tahara H, et al. Cancer Res 1995;55:2734-6. Mender L, et al. Cancer Disc 2015 Jar;5(1):82-95. Mender L, et al. Cancer Cell 2020;38:400-11. https://clinicaltrials.gov/study/NCT011669739tab=results Matsumoto H, et al. Transi Lung Cancer Res 2021:10:2278–89. Girard N, et al. 3 Thorac Onc 2009;12:1544-1549 Shepherd F, et al. N Engl 3 Med 2005;353:123-132. Fossella F, et al. 3 Clin Orcol 2000;18(12):2354-62.



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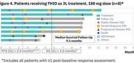
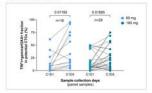


Figure 6. TRF1 by dose level

Figure 3. Pat



Acknowledgements

study is sponsored by MAIA Biotechnolog staff who contributed to this study The sponsor would like to send a special thanks to REGI their exceptional contribution to this study.

Presenting author contact

omenz Jankowski, M.D	la-mait tjankowski orkolog
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(BIOTECHNOLOGY

THIO-101 SUPPORTING DECK

ASCO 2024

INTRODUCTION

- Despite recent approvals for the first-line treatment of advanced Non-Small Cell Lung Cancer (NSCLC), long-term . prognosis remains poor with a 5-year survival rate of 28%¹ and limited options exist in patients refractory or resistant to immune checkpoint inhibitors (ICI).
- THIO (6-thio-2'-deoxyguanosine, also known as 6-thio-dG) is a small molecule, first-in-class direct cancer telomere . targeting agent that selectively kills telomerase positive (TERT+) cancer cells:
 - . Over 80% of all cancers and approx. 78-83% of all NSCLC types are TERT+.^{2,3}
 - THIO is incorporated into de novo synthesized telomeres leading to chromatin uncapping, generation of DNA . damage signals, and rapid apoptosis.4
- Sequential treatment of THIO and ICIs showed a potent and durable antitumor activity in preclinical models.⁵
- Preliminary trial results in NSCLC indicates that low doses of THIO induce sensitivity to ICIs when administered prior to . an ICI in tumors which otherwise are resistant or do not respond to an ICI.
- Here we describe a phase 2 dose-optimization study (NCT05208944) for adult patients with advanced NSCLC who progressed or relapsed after 1-4 prior treatment lines including first-line ICI alone or in combination with platinum chemotherapy.

- Shay JW, Bacchetti S. Eur J Cancer 1997;33:787–91. Tahara H, et al. Cancer Res 1995;55:2734–6.
- Mender I, et al. Cancer Disc 2015 Jan;5(1):82-95. Mender I, et al. Cancer Cell 2020;38:400-11.

MAIA

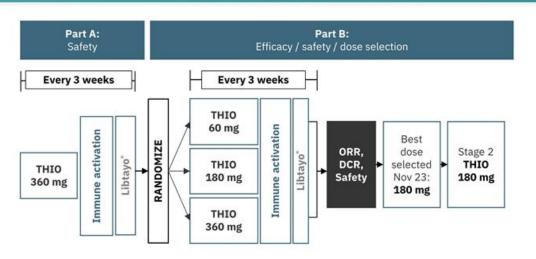
non-small-cell/statistics

METHODS



- Using a modified 3+3 design, the safety lead-in (Part A) enrolled 10 patients who received THIO 360 mg IV (120 mg QD, D1–3), followed by 350 mg cemiplimab on D5, Q3W.
- Following completion of Part A, enrollment was opened in the dose-finding portion of the study (Part B).
- Using a Simon 2-stage design, 79 patients were assigned to one of the THIO doses: 360, 180, or 60 mg followed by cemiplimab Q3W for up to 1 year in Part B.
- Disease status is assessed at Cycle 3 Day 1, Cycle 5 Day 1 and every 9 -12 weeks thereafter.
- The trial completed enrollment in February 2024. We report here data from the 79 patients enrolled on the study, who
 received at least one dose of the treatment.
- An expansion cohort is planned based on data from Part B (n=100).

THIO-101 STUDY SCHEMA



- Primary endpoints: Safety, ORR, DCR (CR, PR and SD).
- Secondary endpoints: DoR; PFS; OS.
- Exploratory endpoints: PK and PD (activity of THIO in circulating tumor cells measured by specific biomarkers).

BASELINE CHARACTERISTICS



- At the time of data cut-off (30 April 2024), 79 patients with advanced NSCLC had received ≥1 dose of THIO.
- All patients had previously failed ≥1 prior line of ICI ± chemotherapy in the advanced setting and had documented disease progression at study entry.
- 34% of patients had ≥2 prior treatment lines at study entry.

Characteristic	60 mg (n=24)	180 mg (n=41)	360 mg (n=14)	Total (N=79)
Median age (range), years	67 (52-85)	68 (45-81)	68 (50-75)	67 (45-85)
Sex, n (%)				
Female	10 (42)	11 (27)	7 (50)	28 (35)
Male	14 (58)	30 (73)	7 (50)	51 (65)
Number of prior lines, n (%)				
1	17 (71)	30 (73)	5 (36)	52 (66)
2	6 (25)	10 (25)	6 (43)	22 (28)
3	1 (4)	0 (0)	2 (14)	3 (4)
4	0 (0)	1 (2)	1 (7)	2 (3)
ECOG PS, n (%)	1		5	
0	6 (25)	8 (20)	7 (50)	21 (27)
1	18 (75)	33 (80)	7 (50)	58 (73)
Histology, n (%)				
Non-Squamous cell carcinoma	15 (63)	25 (61)	8 (57)	48 (60)
Squamous cell carcinoma	9 (37)	16 (39)	6 (43)	31 (40)
Brain metastases, n (%)	1 (4)	1 (2)	2 (14)	4 (5)
Liver metastases, n(%)	4 (17)	5 (12)	3 (21)	12 (15)

SAFETY FINDINGS

• THIO + cemiplimab has so far been well tolerated in a heavily pre-treated population, with most events being Grade 1–2 in severity.

- Most TEAEs were laboratory value elevations, except nausea (11.4% overall and 2.4% at the 180 mg dose) and decreased appetite (5.1% overall and 2.4% at the 180 mg dose).
- No study drug-related Grade 5 events have been reported.
- No study drug-related Grade 4 events have been reported at the 180 mg dose.
- No DLTs have been reported in the Part A safety lead in.
- A related Grade ≥3 ALT increase was reported in 9 patients (11.4%), including 2 patients receiving 360 mg, 4 at 180 mg, and 3 at 60 mg. No clinical symptoms were associated with the elevated laboratory values, and all returned to baseline or normal without sequelae.
- All other related Grade ≥3 events occurred in <5% of patients.
- Following an event of Grade 4 LFT elevation in a patient receiving 360 mg in Part B, enrollment into the 360 mg arm was paused.
- Enrollment was completed in Part B at the selected dose of 180 mg/cycle in February 2024.
- With currently available chemotherapy in this patient population, Grade 5 events are expected in 5% of cases, Grade 4 events in 23.8% and Grade 3 in 42.4%.^{6,7}
- https://www.cyramza.com/hcp/nsclc-treatment/revel-trial-safety
 https://clinicaltrials.gov/study/NCT01168973?tab=results

SAFETY FINDINGS



Related TEAEs by dose level reported in ≥2 p
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Preferred term	60 mg (n=24)	180 mg (n=41)	360 mg (n=14)	Total (N=79)
Aspartate aminotransferase increased	6 (25.0%)	10 (24.4%)	4 (28.6%)	20 (25.3%)
Alanine aminotransferase increased	6 (25.0%)	8 (19.5%)	3 (21.4%)	17 (21.5%)
Nausea	1 (4.2%)	1 (2.4%)	7 (50.0%)	9 (11.4%)
Anemia	0 (0.0%)	2 (4.9%)	1 (7.1%)	3 (3.8%)
Neutropenia	2 (8.3%)	1 (2.4%)	0 (0.0%)	3 (3.8%)
Pyrexia	0 (0.0%)	2 (4.9%)	1 (7.1%)	3 (3.8%)
Decreased appetite	0 (0.0%)	1 (2.4%)	2 (14.3%)	3 (3.8%)
Blood alkaline phosphatase increased	1 (4.2%)	1 (2.4%)	0 (0.0%)	2 (2.5%)
Blood bilirubin increased	0 (0.0%)	1 (2.4%)	1 (7.1%)	2 (2.5%)
Gamma-glutamyltransferase increased	0 (0.0%)	2 (4.9%)	0 (0.0%)	2 (2.5%)
Leukopenia	1 (4.2%)	0 (0.0%)	1 (7.1%)	2 (2.5%)
Asthenia	0 (0.0%)	2 (4.9%)	0 (0.0%)	2 (2.5%)
Erythema	0 (0.0%)	2 (4.9%)	0 (0.0%)	2 (2.5%)
Hypothyroidism	0 (0.0%)	2 (4.9%)	0 (0.0%)	2 (2.5%)
Infusion-related reaction	0 (0.0%)	2 (4.9%)	0 (0.0%)	2 (2.5%)

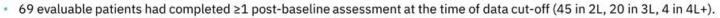
SAFETY FINDINGS

8

Related Grade ≥3 TEAEs

Preferred term	60 mg (n=24)	180 mg (n=41)	360 mg (n=14)	Total (N=79)
Alanine aminotransferase increased	3 (12.5%)	4 (9.8%)	2 (14.3%)	9 (11.4%)
Aspartate aminotransferase increased	5 (20.8%)	2 (4.9%)	2 (14.3%)	9 (11.4%)
Neutropenia	2 (8.3%)	0 (0.0%)	0 (0.0%)	2 (2.5%)
Blood alkaline phosphatase increased	0 (0.0%)	1 (2.4%)	0 (0.0%)	1 (1.3%)
Gamma-glutamyltransferase increased	0 (0.0%)	1 (2.4%)	0 (0.0%)	1 (1.3%)
Lipase increased	1 (4.2%)	0 (0.0%)	0 (0.0%)	1 (1.3%)
Nausea	0 (0.0%)	0 (0.0%)	1 (7.1%)	1 (1.3%)
Hyperkalemia	1 (4.2%)	0 (0.0%)	0 (0.0%)	1 (1.3%)

EFFICACY FINDINGS



- Partial Responses (PRs) per RECIST 1.1 were observed in 9 patients (6 in 2L, 3 in 3L), with 6 PRs confirmed (3 in 2L, 3 in 3L) by a 2nd scan per Investigators' assessment.
- 5 patients have survival follow-up for >12 months (3 with treatment ongoing).
- In the 3L setting:
 - DCR was 85% for THIO vs. standard of care 25–35% for chemotherapy.⁸
 - 13/20 (65%) patients crossed the 5.8-month OS threshold.9
 - 17/20 (85%) patients crossed the 2.5-month PFS threshold.¹⁰⁻¹¹
 - The median survival follow-up time is currently 9.1 months (n=20).
- In the 3L setting with THIO at 180 mg:
 - Median PFS: 5.5 months (24.1 weeks); OS rate at 6 months: 75%.
 - ORR 38% (3/8) vs. standard of care 6–10% for chemotherapy.⁹
 - 6/8 (75%) patients crossed the 5.8-month OS threshold.9
 - 7/8 (88%) patients crossed the 2.5-month PFS threshold.¹⁰⁻¹¹
 - The median survival follow-up time is currently 9.1 months (n=8).
- 8. Matsumoto H, et al. Transl Lung Cancer Res 2021;10:2278-89.
- Girard N, et al. J Thorac Onc 2009;12:1544-1549.
 Shepherd F, et al. N Engl J Med 2005;353:123-132.
- 11. Fossella F, et al. J Clin Oncol 2000;18(12):2354-62.



1 5

PFS (2L) = 4.5 months7

6

7

4

*Includes all patients with ≥1 post-baseline response assessment.

Note: This is a snapshot including ongoing subjects and data pending full verification. Due to short duration of treatment and/or follow up, data subject to change; Clinical data presented from 30Apr2024 data cut.

8

9

10

OS (2L) = 10.5 months7

Treatment Follow-Up ♦ Stable Disease (SD) Partial Response (PR) A Progressive Disease (PD)

Death .

♦ Others

11

O Withdrawal

12

13

14

Months

15

Subject

0

1

2

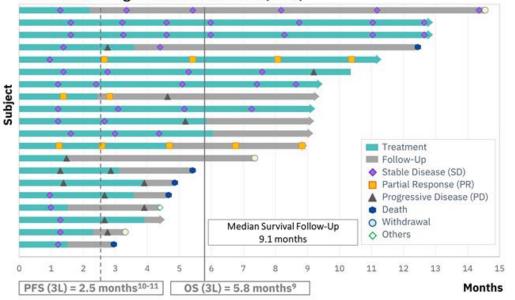
3



EFFICACY THIRD-LINE



Patients receiving THIO as 3L treatment (n=20)*

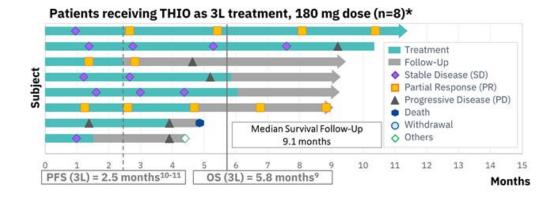


*Includes all patients with ≥1 post-baseline response assessment.

Note: This is a snapshot including ongoing subjects and data pending full verification. Due to short duration of treatment and/or follow up, data subject to change; Clinical data presented from 30Apr2024 data cut.

EFFICACY THIRD-LINE - 180 MG DOSE



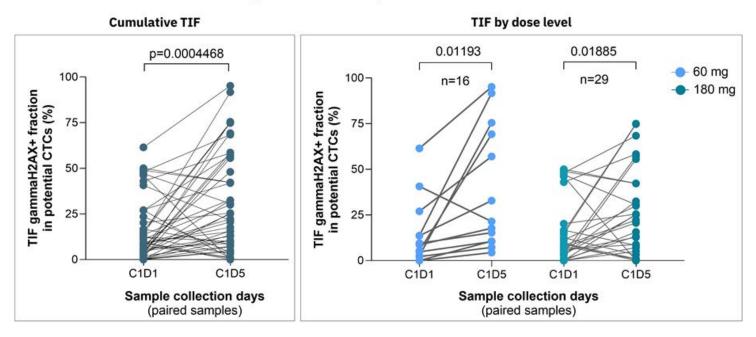


*Includes all patients with ≥1 post-baseline response assessment.

Note: This is a snapshot including ongoing subjects and data pending full verification. Due to short duration of treatment and/or follow up, data subject to change; Clinical data presented from 30Apr2024 data cut.

BIOMARKER FINDINGS

• TIF (Telomere dysfunction Induced Foci) analysis demonstrated the intended on-target mechanism of action: modification of telomeres in circulating tumor cells (CTCs) by THIO.



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CONCLUSIONS

- The combination of THIO + cemiplimab is very active in this hard-to-treat patient population (CPI resistant and chemotherapy resistant progressors).
- The ORR in the 3L setting with the 180 mg dose is 38%, which compares favorably with response rates reported of ~6% for other currently available treatments for heavily pre-treated patients.
- Median survival follow-up in the 3L setting has surpassed 9.1 months.
- TIF in CTCs shows on-target effect.
- THIO + cemiplimab has so far been well-tolerated in a heavily pre-treated population.
- The safety profile of THIO has the potential to be far better than chemotherapy. Treatment has the potential to be given for longer, which usually translates into longer survival.
- The ongoing Phase 2 study selected the best dose of THIO in November 2023. The 180 mg dose has shown better safety
 and superior efficacy compared with other doses: to date, 9.8% of patients receiving the 180 mg dose reported related
 Grade ≥3 AEs. There were no reported related Grade 4 and 5 AEs in the 180 mg dose.

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