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 10, 2024

2seventy bio, Inc. (Exact name of registrant as specified in its charter)

e of registrant as specified in

001-40791 (Commission File Number)

Delaware (State or other jurisdiction of incorporation) 60 Binney Street.

Cambridge, MA (Address of principal executiv 86-3658454 (IRS Employer Identification No.)

02142

(Zip Code)

Registrant's Telephone Number, Including Area Code: (617) 675-7270

Not Applicable

(Former name or former address, if changed since last report)

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 (see General Instructions A.2. below):

 $\hfill\square$ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

xecutive offices

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

Pre-commencement 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:

| Title of each class | Trading symbol(s) | Name of each exchange on which registered |
|--------------------------------------------|----------------------|-------------------------------------------|
| Common Stock, par value \$0.0001 per share | TSVT | The NASDAQ Stock Market LLC |

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

Emerging growth company \boxtimes

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.

Item 5.07 Submission of Matters to a Vote of Security Holders.

On June 10, 2024, 2seventy bio, Inc. (the "Company") held its previously announced 2024 Annual Meeting of Stockholders (the "Annual Meeting"), at which a quorum was present. At the Annual Meeting, the stockholders of the Company voted on the following proposals: (i) the election of Denice Torres, Marcela Maus, M.D., Ph.D and Eli Casdin as Class III members of the Board of Directors to serve until the Company's 2027 annual meeting of stockholders ("Proposal 1") and (ii) the ratification of the selection of Ernst & Young LLP as the Company's independent registered public accounting firm for the fiscal year ending December 31, 2024 ("Proposal 2"). As of April 19, 2024, the record date for the Annual Meeting, 51,404,837 shares of the Company's common stock were issued and outstanding. A summary of the matters voted upon by stockholders at the Annual Meeting is set forth below:

1. The Company's stockholders elected the three nominees listed below as Class III members of the Board of Directors, pursuant to Proposal 1. The voting results were as follows:

| | Votes For | Votes Withheld | Broker Non-Votes |
|---------------------------------------|---------------------------------------------------|----------------|------------------|
| Denice Torres | 18,222,407 | 12,510,310 | 6,887,746 |
| Marcela Maus, M.D., Ph.D. | 18,850,472 | 11,882,245 | 6,887,746 |
| Eli Casdin | 29,648,063 | 1,084,654 | 6,887,746 |
| 2. The Company's stockholders approve | d Proposal 2. The voting results were as follows: | | |

| Votes For | Votes Against | Abstentions |
|------------|---------------|-------------|
| 37,098,317 | 51,749 | 470,397 |

Item 7.01 Regulation FD Disclosure.

The Company from time to time presents and distributes to investors slide presentations to provide updates and summaries of its business. A copy of its current presentation is being furnished as Exhibit 99.1.

The information in this Current Report on Form 8-K, including Exhibit 99.1, pursuant to Item 7.01 is intended to be furnished and shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934 (the "Exchange Act") or otherwise subject to the liabilities of that section. It may only be incorporated by reference in another filing under the Exchange Act or the Securities Act of 1933, as amended, if such subsequent filing specifically references the information furnished pursuant to Item 7.01 of this Current Report on Form 8-K.

Item 9.01 Financial Statements and Exhibits

(d) Exhibits

| Exhibit No. | Description |
|----------------|--------------------------------------------------------------------------------------------------------------|
| <u>99.1</u> | Slide presentation of 2seventy bio. Inc. furnished herewith. |
| 104 | Cover Page Interactive Data File (embedded within the Inline XBRL document and incorporated as Exhibit 101). |

SIGNATURES

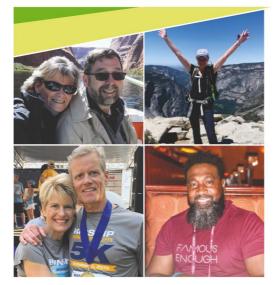
Pursuant to the requirements of the Securities Exchange Act of 1934, as amended, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Dated: June 11, 2024

2seventy bio, Inc.

By:

/s/ Victoria Eatwell Victoria Eatwell Chief Financial Officer (Principal Financial and Accounting Officer)



Unleash Time

2seventy bio company presentation

May 2024

Cautionary note regarding forward-looking statements

These sides and the accompanying oral presentation may contain "forward-looking statements," These statements include, but are not limited to: statements about our plans, strategies, limited not accompanying oral presentation with respect to the development and commercialization of *Abscerna* (dec-oil), timelines for the results of oragoing and planned clinical trials for *Abscerna* in additional indications; the timing or likelihood of regulatory flings and acceptances and approvals thereof; expectations as to the market size for *Abscerna*; the progress and approvals thereof; expectations as to the market size for *Abscerna*; the progress and approvals thereof; expectations are to the market size for *Abscerna*; the progress and and cash nurway. Any forward-looking statements in this presentation; are based on and important factors that may cause actual events or results to differ materially from these expressed or impled to an unber of risks, uncertainties and important factors that may cause actual events or results to differ materially from these expressed or impled to any of powerd-looking statements in the presentation, including, without limitation, the risk that the market opportunities for our approved product or any future approved product are similar than we believe they are; the risk to terminate in agreements with us. The risk that even for the for state or cause actual events or our third party vendors will be under modes and uncertainties, and other important factors. Any or util third party vendors will be under a participated product are similar than we believe they are; the risk to terminate in a durence and uncertainties, and other important factors. Any or util that yee are unable to manage our operating expenses or cash use for operations. For a discussion of other risks and uncertainties, and other important factors. Any other heads to an under and the statements, see the section entitled "Tisk Factors" in the information statement contained in the forward-looking statements, and ther imp

Unlocking Abecma Value in 2024



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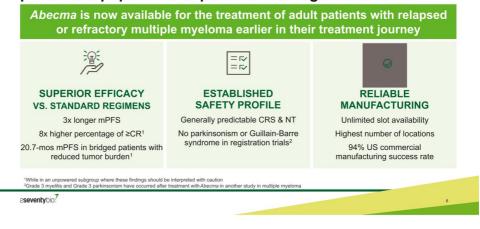
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Abecma Poised for a Comeback

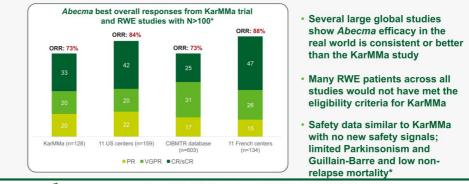


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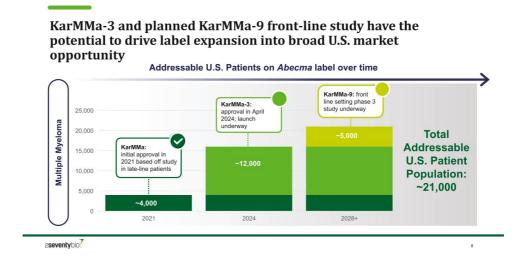
KarMMa-3 supports the totality of *Abecma*'s competitive profile in a population of patients with high unmet need



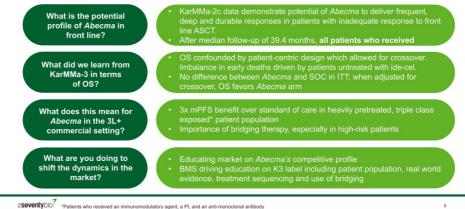
Abecma real world experience shows consistent outcomes with the KarMMa pivotal study despite sicker patient population



Eseventybio voi serventation 10, 27 ASH 2023; Cayla et al., abstract 2139 ASH 2023 Source: FAERS database. RWD analyses are observational in nature and reflect data outside of the controlled clinical trial setting. These analyses are not tested for statistical significance and are not intended 7 to be controlled to inclusive and reflect data outside of the controlled clinical trial setting.

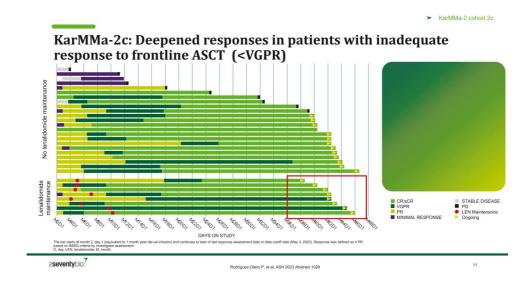


Key questions on Abecma in earlier lines

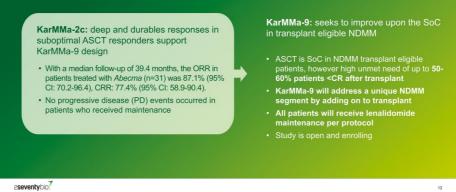


2Seventyblo? *Patients who received an immunomodulatory agent, a PI, and an anti-monoclonal antibody

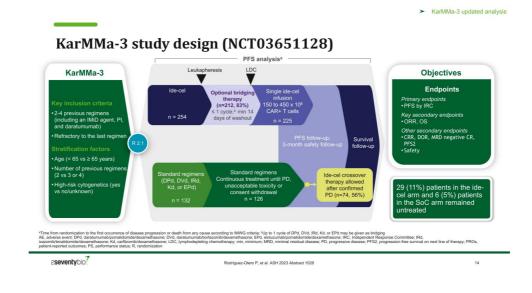




KarMMa-2c data support conviction in transformative potential of Abecma in front-line setting







Heavily Pretreated, Triple Class Exposed* Patient Population

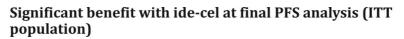
| 63 (30-81) 4.1 (0.6-21.8) 214 (84) 50 (20) 150 (59) | 63 (42–83) 4.0 (0.7–17.7) 114 (86) 26 (20) |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| 214 (84) 50 (20) 150 (59) | 114 (86) 26 (20) |
| 50 (20) 150 (59) | 26 (20) |
| 150 (59) | |
| 150 (59) | |
| | 00 (00) |
| | 82 (62) |
| 31 (12) | 14 (11) |
| 61 (24) | 32 (24) |
| 71 (28) | 34 (26) |
| 166 (65) | 82 (62) |
| 66 (26) | 42 (32) |
| 43 (17) | 18 (14) |
| 8 (3) | 4 (3) |
| 124 (49) | 51 (39) |
| 67 (26) | 29 (22) |
| 7.1 (0.7-67.7) | 6.9 (0.4-66.0) |
| 242 (95) | 123 (93) |
| 164 (65) | 89 (67) |
| | 71 (28) 166 (65) 66 (26) 43 (17) 8 (3) 124 (49) 67 (26) 7.1 (0.7–67.7) 242 (95) |

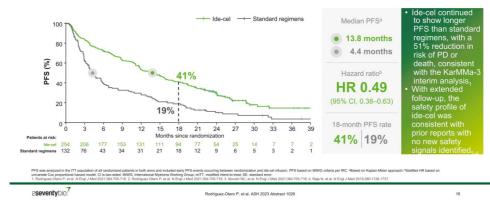
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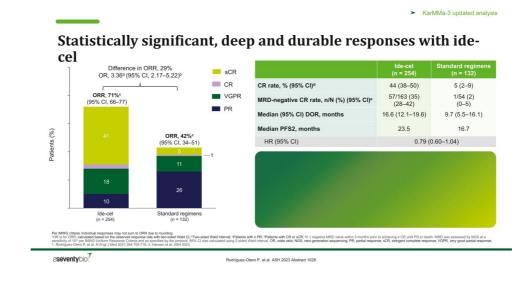
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Rodríguez-Otero P, et al. ASH 2023 Abstract 1028

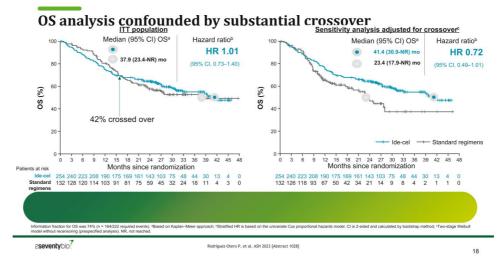
KarMMa-3 updated analysis







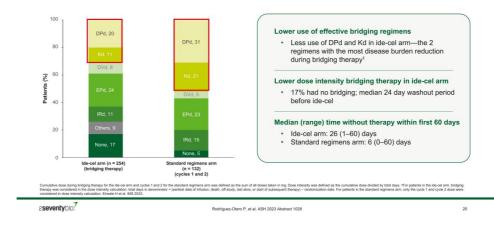




Patients who never received ide-cel drive imbalance in early OS events

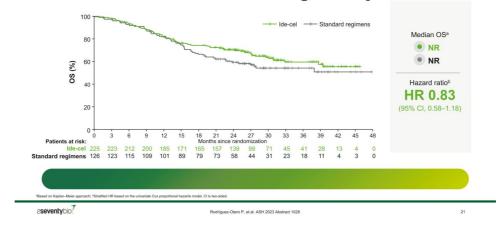
| Patients who died ≤6 months from | Ide-cel Standard | | | | | Standard regimens | |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------|--------------------------|-----------------------------------|-------------------------|
| randomization, n (%) | (n = 254) | (n = 254) regimens (n = 132) | Baseline | Deaths ≤ 6 months from | | Deaths ≤ 6 months from | |
| Patients who died | 30 (12) | 9 (7) | characteristic, n (%) | randomization | population (n = 254) | randomization | population (n = 132) |
| Did not receive study treatment | 17 (7) | 0 | | <u>(n = 30)</u> | | (n = 9) | |
| Received study treatment | 13 (5) | 9 (7) | R-ISS stage III | 9 (30) | 31 (12) | 2 (22) | 14 (11) |
| Primary cause of death | ., | | High-risk cytogenetic abnormalities ^b | 21 (70) | 107 (42) | 6 (67) | 61 (46) |
| AEs | 8 (3) | 3 (2) | EMP | 12 (40) | 61 (24) | 3 (33) | 32 (24) |
| Myeloma progression | 18 (7) | 6 (5) | High tumor burden ^c | 14 (47) | 71 (28) | 2 (22) | 34 (26) |
| Other causes ^a | 4 (2) | 0 | | | | | |
| | | | | | | | |
| an of -basis from other cause's in the blackstame wave recorded | uerhafim as "urânnean" ut | ich was coded under the scate | m cross class of Connect devote and activity | dealers alle condition ¹⁴ Hoch e | lad dal17n13 (reflective | of del[120]. 814-181. or 1411 | 4: Determined by H |
| ses of "death from other cause" in the ide-cel arm were reported tween is non marrow appration and bone marrow bopay CD138+ | verbatim as "unknown", wh • plasma cell. Low tumor bi | ich was coded under the syste irden: < 50%, high tumor burde | m organ class of "general disorder and adminis m 2 80%. | stration site condition*; Hincluc | led del17p13 (reflective | of del[17p]), t(14;16), or t(4;14 | 4); "Determined by th |

Suboptimal bridging therapy



KarMMa-3 updated analysis

Trend of OS benefit with ide-cel among treated patients



KarMMa-3 Data Supports the Potential of Abecma in Earlier

- Lines
 KarMMa-3 demonstrates a significantly longer and clinically meaningful improvement of PFS with ide-cel versus standard regimens in patients with early line relapse and triple-class exposed* (TCExp) RRMM across all subgroups¹
 - 51% reduction in risk of disease progression or death with ide-cel
- · Patient-centric KarMMa-3 design allowed crossover, which confounds the OS interpretation
 - 56% of patients in the standard regimens arm crossed over to receive ide-cel
 - A prespecified analysis adjusting for crossover showed improved OS with ide-cel versus standard regimens
- Bridging therapy was suboptimal for patients with multiple high-risk features and rapidly
 progressing disease
 - This highlights the importance of effective bridging therapy
- The safety profile of ide-cel was manageable and consistent with previous studies¹⁻³
- KarMMa-3 shows a favorable benefit-risk profile with ide-cel, and supports the use of ide-cel in
 patients with TCExp RRMM, a population with poor survival outcomes with conventional therapies

2Seventybio.7 1. Rodriguez-Otero P, et al. N Engl J Med 2023;388:1002-1014; 2. Munshi NC, et al. N Engl J Med 2021;384:705-716; 3. RajeN, et al. N Engl J Med 2021;388:102-1073. "Patients who received an immunomodulatory agent, a PJ, and an anti-monoclonal antibody

Abecma Data at ASH Reinforce Potential in Earlier Lines and Differentiated Safety Profile

