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): December 5, 2025

CANDEL THERAPEUTICS, INC.
(Exact name of Registrant as Specified in Its Charter)

Delaware	**001-40629**	**52-2214851**
(State or Other Jurisdiction of Incorporation)	**(Commission File Number)**	**(IRS Employer Identification No.)**

117 Kendrick St., Suite 450 **Needham, MA**	**02494**
(Address of Principal Executive Offices)	**(Zip Code)**

Registrant's Telephone Number, Including Area Code: (617) 916-5445

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:

☐ 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)

☐ 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, $0.01 par value per share	CADL	The Nasdaq Global Market

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 ☒

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 7.01 Regulation FD Disclosure.

On December 5, 2025, Candel Therapeutics, Inc. (the "Company") will host a virtual Research and Development ("R&D") Day from 11:00 am – 1:45 pm ET. The event will provide an extensive overview of the Company's viral immunotherapy approach and oncology-focused pipeline.

A copy of the presentation to be shown at the R&D Day is filed as Exhibit 99.1 to this Current Report on Form 8-K and incorporated by reference herein. The presentation will also be available on the investor relations section of the Company's website at https://ir.candeltx.com/. Information contained on the Company's website is not incorporated by reference into this Current Report on Form 8-K, and you should not consider any information on, or that can be accessed from, the Company's website as part of this Current Report on Form 8-K.

The information in this Item 7.01 and Exhibit 99.1 of this Current Report on Form 8-K are furnished and shall not be deemed to be "filed" for the 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. The information in this Item 7.01 and Exhibit 99.1 of this Current Report on Form 8-K shall not be incorporated by reference into any filing under the Securities Act of 1933, as amended, or the Exchange Act, whether made before or after the date of this Current Report on Form 8-K, regardless of any general incorporation language in any such filing.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

Exhibit Number	Description
99.1	R&D Day Presentation dated December 5, 2025
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)

SIGNATURES

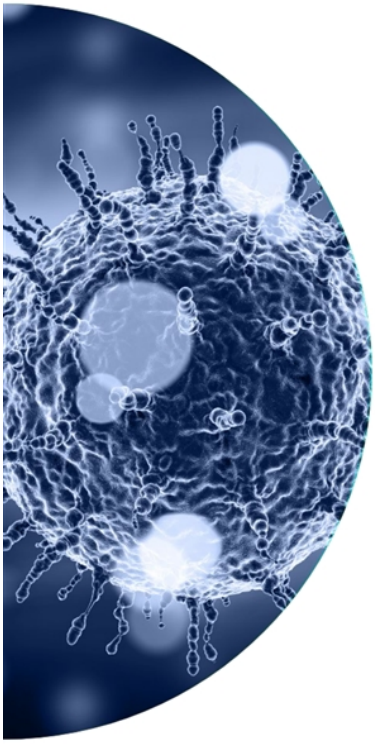
Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

Candel Therapeutics, Inc.

Date: December 5, 2025

By: /s/ Paul Peter Tak
Paul Peter Tak, M.D., Ph.D., FMedSci
President and Chief Executive Officer

Exhibit 99.1



CANDEL THERAPEUTICS

RESEARCH & DEVELOPMENT DAY

Virtual Event | December 5, 2025

NASDAQ: CADL

Forward-looking statements

This presentation contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. All statements other than statements of historical facts contained in this Presentation, including express or implied statements regarding our strategy, future financial condition, future operations, projected costs, prospects, plans, objectives of management and expected market size, are forward-looking statements. In some cases, you can identify forward-looking statements by terminology such as "may," "will," "should," "expect," "intend," "plan," "anticipate," "believe," "estimate," "target," "seek," "predict," "potential," "continue" or the negative of these terms or other comparable terminology. Although we believe that the expectations reflected in these forward-looking statements are reasonable, these statements relate to our strategy, future operations, future financial position, future revenue, projected costs, prospects, plans, objectives of management and expected market size, and involve known and unknown risks, uncertainties and other factors that may cause our actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by these forward-looking statements. Forward-looking statements in this Presentation include, but are not limited to, statements about: the initiation, timing, progress, results, and cost of our research and development programs and our current and future preclinical and clinical studies, including statements regarding the timing of initiation and completion of studies or trials and related preparatory work, the period during which the results of the trials will become available, and our research and development programs; the therapeutic benefit of our programs, including the potential for our programs to extend patient survival; our ability to efficiently discover and develop product candidates; our ability to initiate, recruit and enroll patients in and conduct our clinical trials at the pace that we project; our ability to obtain and maintain regulatory approval of our product candidates; our ability to compete with companies currently marketing or engaged in the development of treatments that our product candidates are designed to target; our reliance on third parties to conduct our clinical trials and to manufacture drug substance for use in our clinical trials; the size and growth potential of the markets for our product candidates and our ability to serve those markets; the ability and willingness of our third-party strategic collaborators to continue research and development activities relating to our development candidates and product candidates; our ability to obtain and maintain adequate intellectual property rights; our estimates of our future expenses, revenue, capital requirements or our need for or ability to obtain additional financing; our ability to continue as a going concern, the potential benefits of strategic collaboration agreements, our ability to enter into additional strategic collaborations or arrangements, and our ability to attract collaborators with development, regulatory and commercialization expertise; our financial performance; and developments and projections relating to our competitors or our industry. We caution the recipient not to place considerable reliance on the forward-looking statements contained in this Presentation. The forward-looking statements in this Presentation speak only as of the date of this document, and we undertake no obligation to update or revise any of these statements. Our business is subject to substantial risks and uncertainties, including those referenced above.

Certain information contained in this Presentation relates to or is based on estimates, projections and other information concerning the Company's industry, its business and the markets for its programs and product candidates and studies, publications, surveys and other data obtained from third-party sources and the Company's own internal estimates and research. While the Company believes these third-party sources to be reliable as of the date of this Presentation, it has not independently verified, and makes no representation as to the adequacy, fairness, accuracy or completeness of, any information obtained from third-party sources. In addition, all of the market data included in this Presentation involves a number of assumptions; there can be no guarantee as to the accuracy or reliability of such assumptions. Finally, while we believe our own internal research is reliable, such research has not been verified by any independent source.

These forward-looking statements are based on the beliefs of our management as well as assumptions made by and information currently available to us. Although we believe the expectations reflected in such forward-looking statements are reasonable, we can give no assurance that such expectations will prove to be correct. If such assumptions do not fully materialize or prove incorrect, the events or circumstances referred to in the forward-looking statements may not occur. We undertake no obligation to update publicly any forward-looking statements for any reason after the date of this presentation to conform these statements to actual results or to changes in our expectations, except as required by law. Accordingly, readers are cautioned not to place undue reliance on these forward-looking statements. Additional risks and uncertainties that could affect our business are included under the caption "Risk Factors" in our most recent Form 10-Q filed with the Securities and Exchange Commission on November 13, 2025.

CANDEL THERAPEUTICS

Candel at a glance

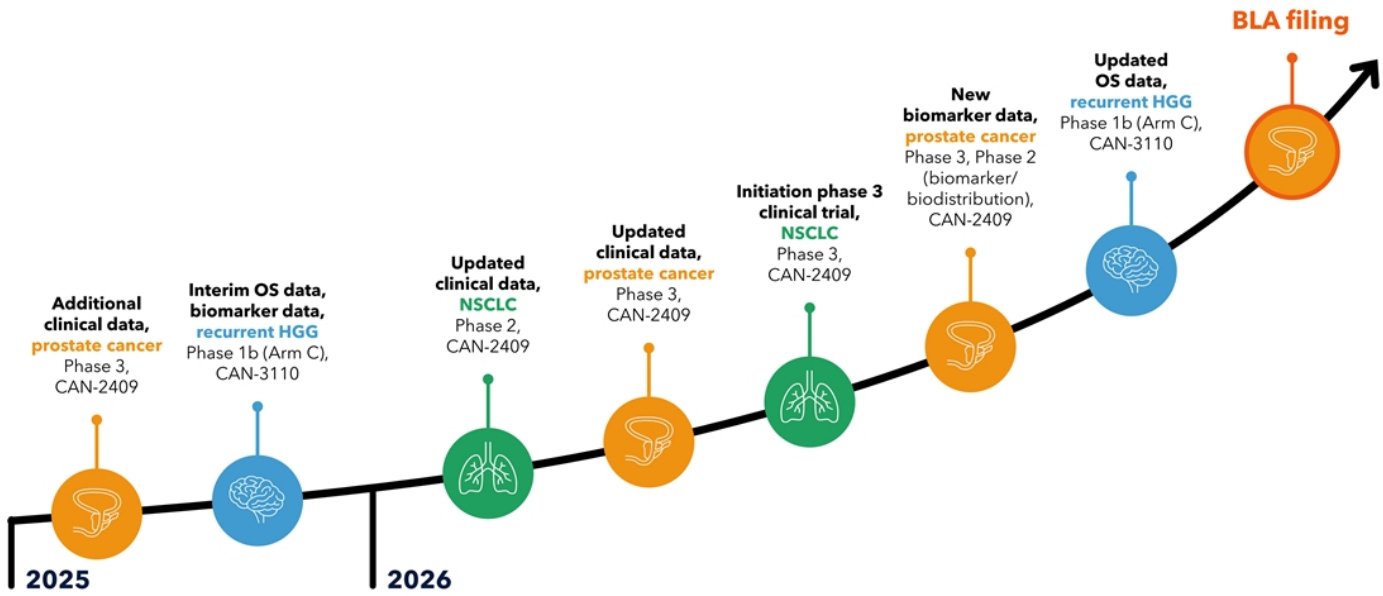
- CAN-2409 (aglitimagene besadenovec): Off-the-shelf pan-solid tumor therapy, individualized anticancer immune response
  - Positive phase 3 randomized placebo-controlled clinical trial in localized, intermediate- to high-risk prostate cancer
  - Positive overall survival data from randomized phase 2a clinical trial of CAN-2409 in borderline resectable pancreatic cancer
  - Positive overall survival data from randomized phase 2a clinical trial of CAN-2409 in therapy-resistant non-small cell lung cancer
  - FDA Regenerative Medicine Advanced Therapy (RMAT) designation in prostate cancer, Fast Track designation in NSCLC, pancreatic cancer, and prostate cancer. Orphan Drug designation in pancreatic cancer
  - "Pipeline in a product" strategy advancing multiple programs in several large indications

- CAN-3110 (linoserpaturev): Oncolytic HSV-1 designed for tumor-specific replication
  - Proof of concept in patients with recurrent high-grade glioma, published in Nature and Science Translational Medicine
  - Fast Track designation, Orphan Drug designation
  - Opportunity for creation of "pipeline in a product" by expansion into indications beyond brain cancers

- Corporate highlights
  - Experienced Executive Team and strong scientific support from high-profile Research Advisory Board
  - Cash and cash equivalents of $87.0 million as of September 30, 2025; expected runway into Q1 2027
  - Entered into a term loan facility of up to $130 million in October 2025
  - IP protection: CAN-2409 (2034, method of use); CAN-3110 (2036, composition of matter); 12 years data exclusivity
  - Low-cost manufacturing
  - Precommercialization activities underway to support potential post approval commercial launch of CAN-2409

CANDEL THERAPEUTICS

Key achievements and anticipated future milestones in clinical programs 2025-2026



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Leadership team with decades of experience in oncology, immunology, and drug development

Paul Peter Tak, MD, PhD, FMedSci
President & Chief Executive Officer

Charles Schoch, MBA, MSA
Chief Financial Officer

Francesca Barone, MD, PhD
Chief Scientific Officer

Garrett Nichols, MD, MS
Chief Medical Officer

Seshu Tyagarajan, PhD, RAC
Chief Technical and Development Officer

Susan Stewart, JD
Chief Regulatory Officer

CANDEL THERAPEUTICS

Research Advisory Board of premier thought leaders

James Allison, PhD

Chair of the Department of Immunology, MD Anderson Cancer Center

Director of the Parker Institute for Cancer Research
2018 Nobel Recipient

Edward Benz, MD

President and CEO Emeritus Dana-Farber Cancer Institute

Henry Brem, MD

Director, Department of Neurosurgery
Professor of Neurosurgery Johns Hopkins University

Roy Herbst, MD, PhD

Chief of Medical Oncology Yale Cancer Center

Elizabeth M. Jaffee, MD

Deputy Director of the Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins and Co-Director of the Gastrointestinal Cancers Program

Carl H. June, MD

Richard W. Vaque Professor in Immunotherapy, Perelman School of Medicine, University of Pennsylvania

Philip Kantoff, MD

Former Chair, Department of Medicine, Memorial Sloan Kettering Cancer Center

Gary Nabel, MD, PhD

Chief Innovation Officer of OPKO and President/CEO of ModeX Therapeutics

Former CSO Sanofi

Bali Pulendran, PhD

Violetta L. Horton Professor at Stanford University School of Medicine and Director of the Institute for Immunity, Transplantation and Infection at Stanford University

Padmanee Sharma, MD, PhD

Professor of Genitourinary Medical Oncology and Immunology , MD Anderson Cancer Center

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R&D Day 2025: Agenda

1	Introduction to Candel Therapeutics	11:00–11:10 AM
2	Immuno-oncology: The Next Wave of Innovation	11:10–11:40 AM
3	CAN-2409 for Newly Diagnosed Localized Prostate Cancer	11:40–12:10 PM
4	Road Map to Biologics License Application (BLA)	12:10–12:30 PM
5	Pre-Commercialization Road Map	12:30–12:50 PM
6	CAN-2409 for Immune Checkpoint Inhibitor Refractory Non-Small Cell Lung Cancer	12:50–1:15 PM
7	CAN-3110 for Recurrent Glioblastoma	1:15–1:30 PM
8	Analyst | Management Q&A/Closing	1:30–2:00 PM

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IMMUNO-ONCOLOGY: THE NEXT WAVE OF INNOVATION

James P. Allison, PhD, Nobel Laureate, Regental Professor and Chair of Immunology, and Founding Director of Scientific Programs for the James P. Allison Institute at the University of Texas MD Anderson Cancer Center

Carl H. June, MD, Richard W. Vague Professor in Immunotherapy and Director, Center for Cellular Immunotherapies and Parker Institute for Cancer Therapy, Perelman School of Medicine, University of Pennsylvania

Padmanee Sharma, MD, PhD, Professor of Genitourinary Medical Oncology and Immunology, and Director of Scientific Programs for the James P. Allison Institute at the University of Texas MD Anderson Cancer Center

Moderator: Yigal Nochomovitz, PhD, Citi Group

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CAN-2409 FOR NEWLY DIAGNOSED LOCALIZED PROSTATE CANCER

Glen Gejerman, MD, Co-chief of Urologic Oncology, Hackensack University Medical Center

Philip Kantoff, MD, Former Chair Department of Medicine, Memorial Sloan Kettering Cancer Center, CEO, Convergent Therapeutics

Garrett Nichols, MD, MS, Candel's Chief Medical Officer

Ron Tutrone, MD, National Director of Clinical Research, United Urology

Moderator: Oliver McCammon, LifeSci Capital

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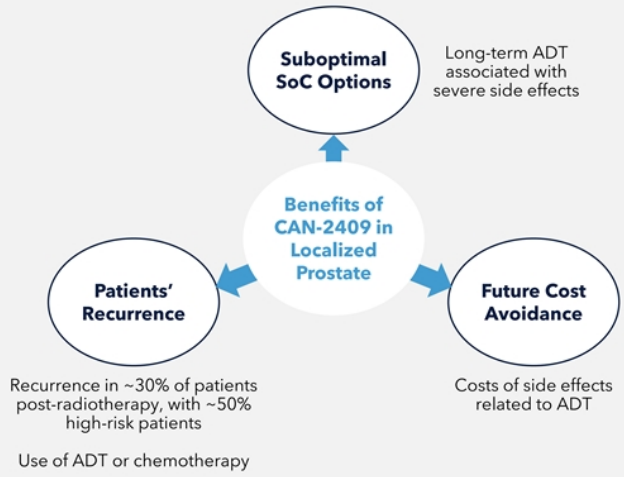
Candel is addressing a clear unmet patient need

The U.S. prostate cancer opportunity for CAN-2409

Localized Prostate Incidence

Patients Currently Receiving Radiotherapy	**~65K (~43%)**
Illustrative Range of Existing Prostate Approved Therapies	**~$150-$250K**

Clear Unmet Need for Patients



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Source: Globe Life Sciences (May 2025).

Target Product Profile for CAN-2409 in intermediate- to high-risk, localized prostate cancer

"Off-the-shelf" viral immunotherapy product designed to elicit a broad, potent immune response against solid tumors

Planned Indication	○ Planned indication in newly diagnosed localized prostate cancer in patients with intermediate- to high-risk disease in conjunction with radiotherapy to prevent prostate cancer recurrence • NCCN* defined intermediate (at least one of: PSA 10–20 ng/mL, Gleason score of 7, stage T2b/T2c) or patients with a single high-risk characteristic (one of: PSA >20 ng/mL, Gleason score 8–10, stage T3a)
Administration	○ Administered in combination with SoC external beam radiotherapy (EBRT) ± short course of ADT (<6 months) ○ 3 courses of intraprostatic injections: 2 mL total volume (2-6 weeks apart) • Each administration is performed in outpatient clinic (~20 minutes) • 14 days of valacyclovir orally following each injection course

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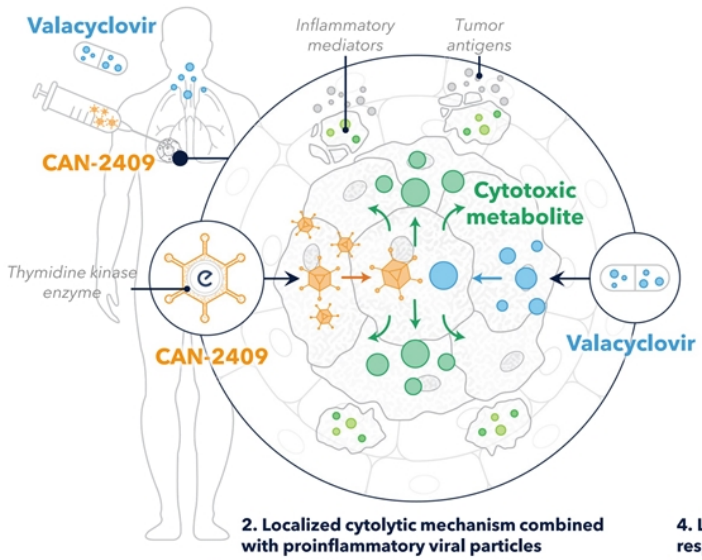
*National Comprehensive Cancer Network.

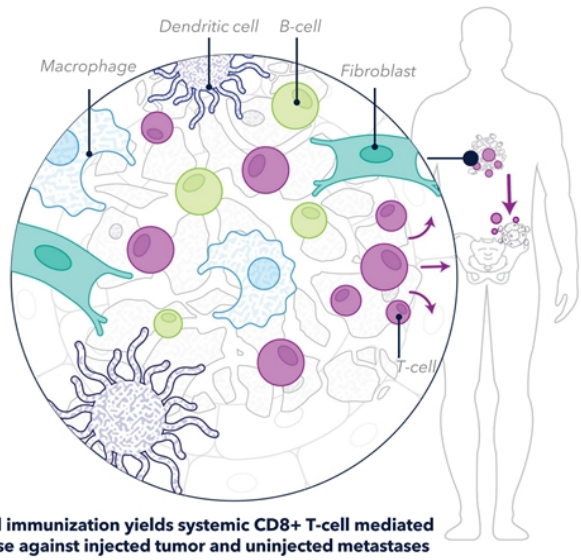
CAN-2409: Mechanism of action

1. CAN-2409 locally administered combined with oral prodrug



2. Localized cytolytic mechanism combined with proinflammatory viral particles

3. CAN-2409 induces CD8+ cytotoxic T cells



4. Local immunization yields systemic CD8+ T-cell mediated response against injected tumor and uninjected metastases

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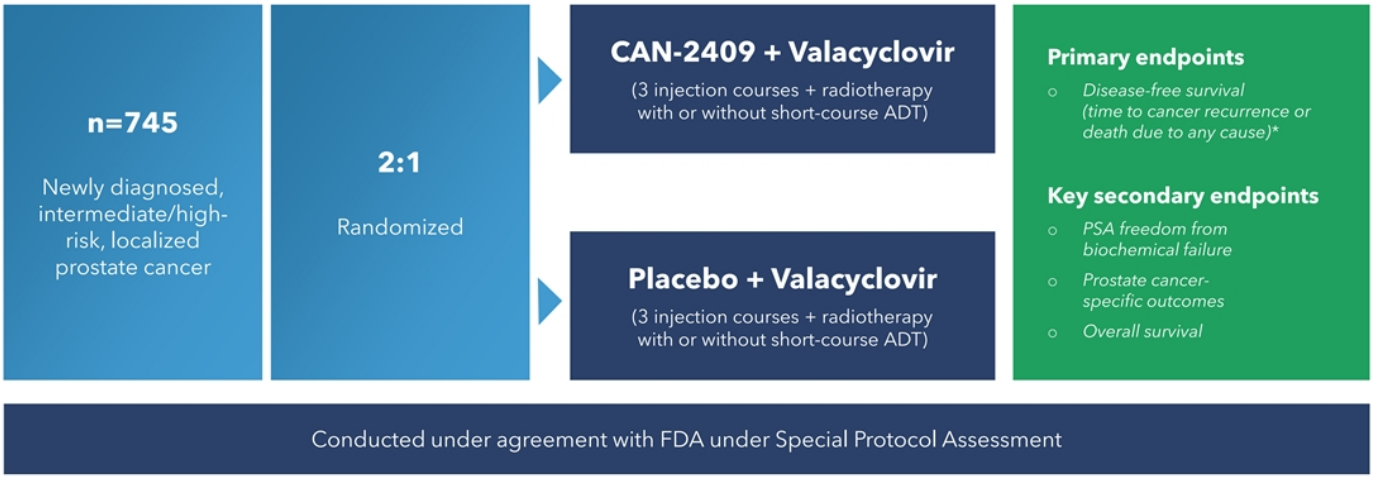
CAN-2409 is an investigational product and its mechanism of action in humans has not been definitively established. This depiction of the CAN-2409 mechanism of action is based on preclinical data and observations in clinical studies to date.

Phase 3 Clinical trial of CAN-2409 in patients with newly diagnosed, intermediate- to high-risk, localized prostate cancer

NCT01436968



Conducted under agreement with FDA under Special Protocol Assessment

Randomized stratified by the National Comprehensive Cancer Network (NCCN) guideline risk group and planned short-course ADT (androgen deprivation therapy). *Defined as local (biopsy), regional or metastatic disease, or death due to any cause.

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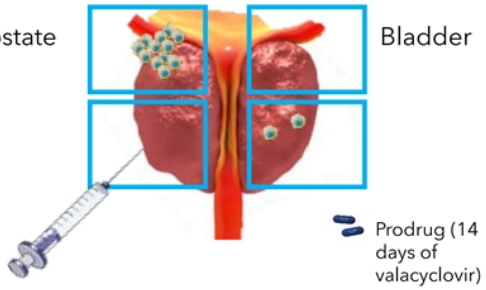
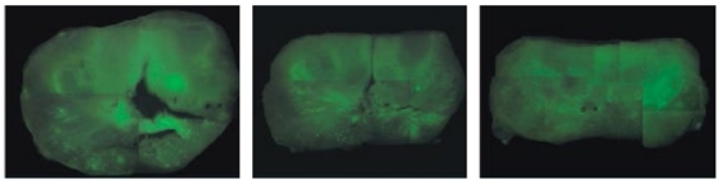
DeWeese TL et al. 2025 ASCO Annual Meeting; May 28, 2025; Chicago, IL. *J Clin Oncol.* 2025;43(16)(suppl):Abstract 5000

CAN-2409 is delivered in a routine and well-tolerated outpatient procedure

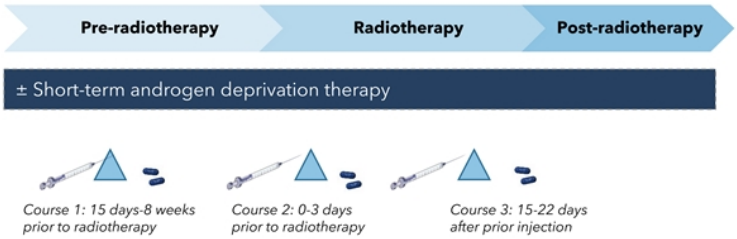
Standard urologic injection procedure



- Ultrasound-guided injection (transrectal or transperineal)[1]
- Performed by urologists or radiation oncologists in outpatient clinic
- A total volume of 2 mL, 0.5 mL in each of 4 quadrants of the prostate using a 20-G to 22-G needle



Images of fluorescently labeled adenoviral vector in freshly resected prostate, demonstrating homogeneous distribution throughout the organ after 4 injections of virus (0.5 mL) in each prostate quadrant[2]



1. Aguilar L. 28th Annual Prostate Cancer Foundation, Scientific Retreat, October 2021;
2. Rojas-Martínez A et al. *Cancer Gene Ther.* 2013;20:642-9.

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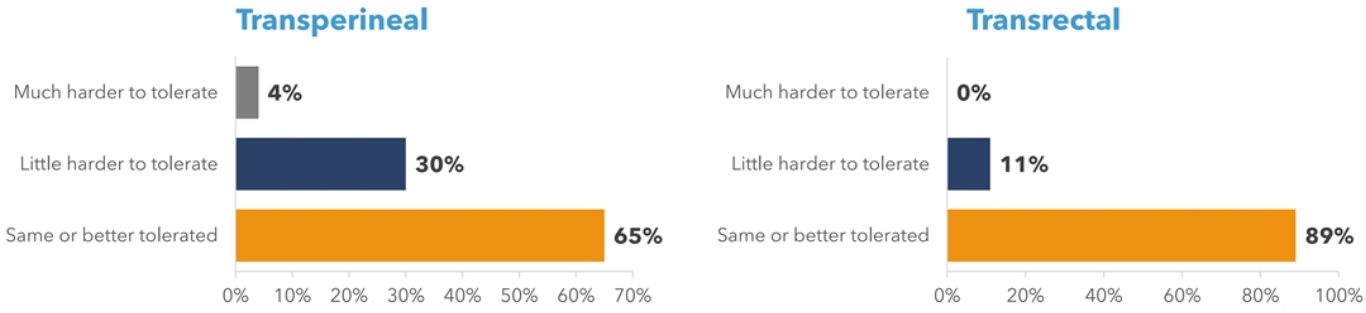
Most patients tolerate intraprostatic injection the same or better than prostate biopsy

Patient questionnaire substudy (n=32)

In total >2000 intraprostatic injections
(40% transperineal; 56% transrectal; 4% not reported)
"How did you tolerate the study procedure compared to a prostate biopsy?"



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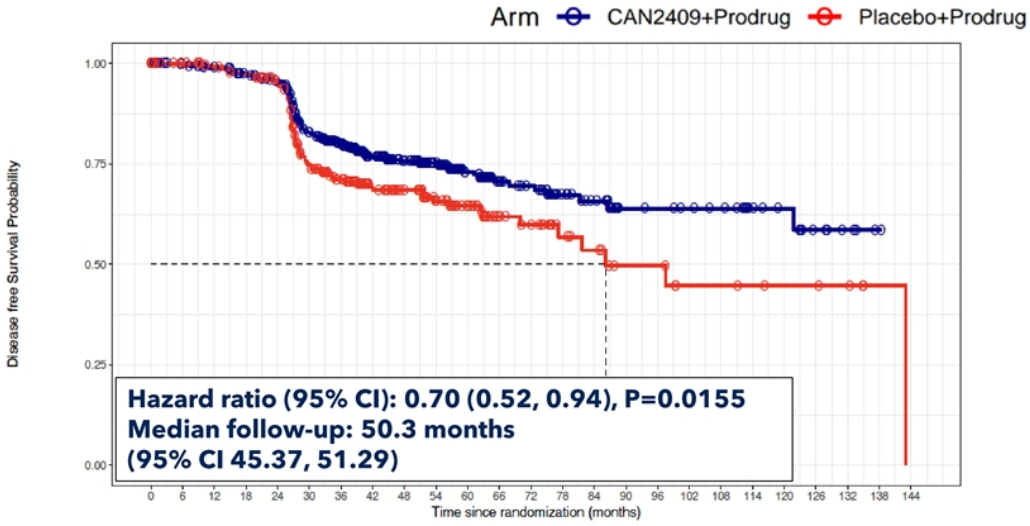
Aguilar L. 28th Annual Prostate Cancer Foundation Scientific Retreat, October 2021

CAN-2409 significantly improved disease-free survival (DFS) in newly diagnosed, intermediate- to high-risk prostate cancer



CAN-2409 results in **30% risk reduction in disease recurrence** (includes death from any cause) compared to Standard of Care (ITT,* n=745).

*Intent to treat population.

DeWeese TL et al. 2025 ASCO Annual Meeting; May 28, 2025; Chicago, IL. *J Clin Oncol.* 2025;43(16_suppl):Abstract 5000.

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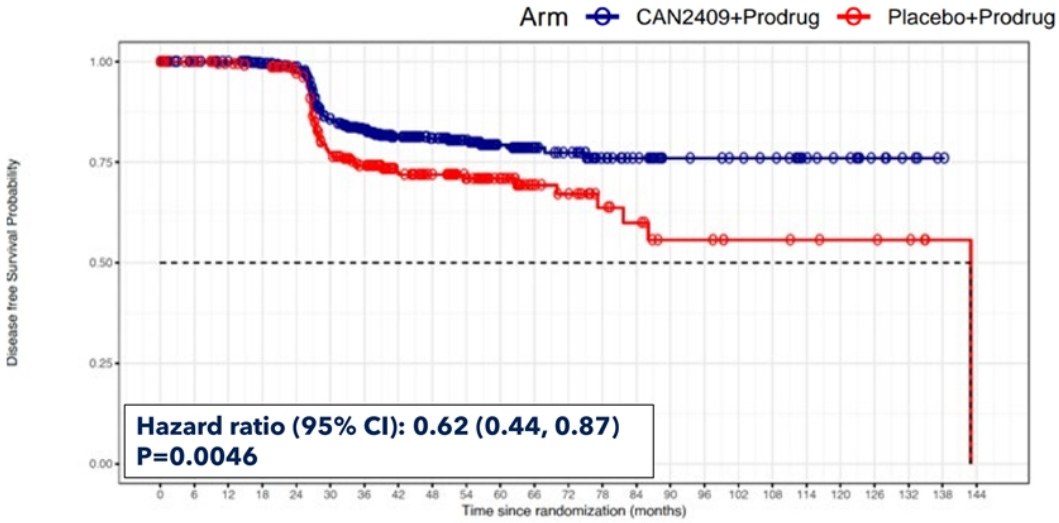
CAN-2409 significantly improved prostate cancer-specific DFS



38% reduction in risk for prostate cancer-specific disease recurrence (ITT,* n=745)

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*Intent to treat population.

DeWeese TL et al. 2025 ASCO Annual Meeting; May 28, 2025; Chicago, IL. J Clin Oncol. 2025;43(16_suppl):Abstract 5000

CAN-2409: Other key secondary endpoints

- **Significant increase in the proportion of patients achieving a prostate-specific antigen (PSA) nadir of <0.2 ng/mL in the treatment arm compared with placebo arm**
  - 67.1% vs 58.6%, respectively (*P*=0.0164)
- **As expected[1], overall survival was similar by treatment arm in this time frame (median follow-up 50 months)**
  - Only 2 deaths due to prostate cancer (one CAN-2409, one placebo)
  - 50 patients died due to other causes, unrelated to treatment

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1. Hamdy FC et al. *N Engl J Med* 2023;388:1547-1558.

CAN-2409 significantly improved the rate of pathological complete response in 2-year biopsies compared with the placebo control arm

Pathological complete response was observed in 80.4% of the biopsies available at 2 years in the CAN-2409 arm compared with 63.6% in the placebo arm

	CAN-2409	Placebo
Total	**214**	**99**
Negative	**172 (80.4%)***	**63 (63.6%)**
Positive	**42 (19.6%)**	**36 (36.4%)**

***Significant difference between arms, chi-square test *P*=0.0015.**

- 451 post-treatment biopsies centrally reviewed by at least 2 blinded independent readers
- 313 post-treatment biopsies available for review for the 2-year histologic analysis

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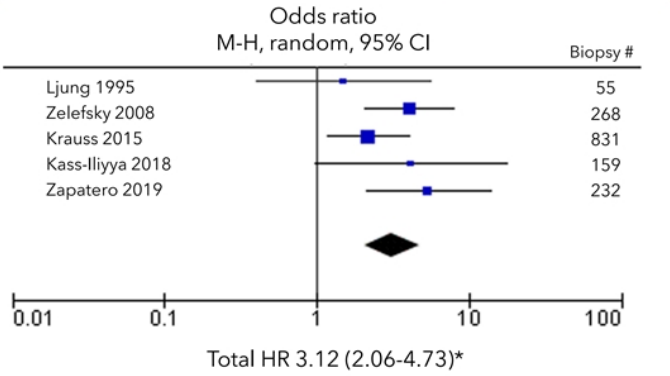
Positive biopsies ≥2 years after radiotherapy are predictive of metastases and cancer-related mortality after long-term follow-up

Patients with a positive prostate biopsy ≥2 years after radiotherapy because of localized cancer had:

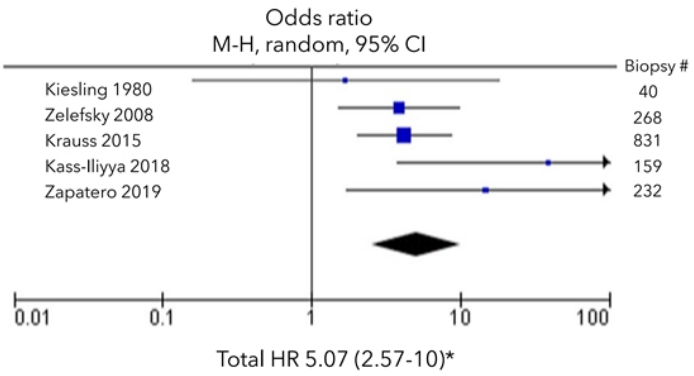
- 10-fold higher odds of developing biochemical failure ($P < 0.00001$)
- 3-fold higher odds of developing distant metastasis ($P < 0.00001$)
- 5-fold higher odds of dying from their prostate cancer ($P < 0.00001$)

Risk of Developing Distant Metastasis



Total HR 3.12 (2.06-4.73)*

Risk of Prostate Cancer Mortality



Total HR 5.07 (2.57-10)*

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*Weighted risk across studies, represented forest plots for metastasis-free survival and cancer mortality.
Singh S et al. *Prostate Cancer Prostatic Dis.* 2021;24:612-622.

Phase 3 clinical trial of CAN-2409 in intermediate- to high-risk, localized prostate cancer: primary endpoint achieved, supported by secondary endpoints

Trial Design	○ 745-patient randomized trial with treatment arm + placebo arm, focused on disease-free survival (DFS) primary endpoint and multiple secondary endpoints
Primary Endpoint	○ Statistically significant and clinically meaningful improvement in DFS for CAN-2409 plus radiation therapy vs radiation therapy alone. Hazard ratio 0.70, *P*=0.0155 in the intent to treat (ITT) analysis; median follow-up time of 50.3 months
Secondary and Supplemental Endpoints	○ Significant effect on prostate cancer-specific DFS. Hazard ratio 0.62, *P*=0.0046 ○ Significant increase in the proportion of patients achieving a prostate-specific antigen (PSA) nadir of <0.2 ng/mL in the treatment arm compared to the placebo: 67.1% vs 58.6%, *P*=0.0164 ○ Central, blinded evaluation of post-treatment biopsies: pathological complete response rate of 80.4% in the CAN-2409 treatment arm vs 63.6% in the placebo control arm 2 years post-radiation (*P*=0.0015)
Safety	○ Compelling safety profile, with lower incidence of serious adverse events (SAEs) and treatment-related SAEs in active arm vs control (5.8% vs 7.3% and 1.7% vs 2.2%, respectively)

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CAN-2409 FOR NEWLY DIAGNOSED LOCALIZED PROSTATE CANCER

Glen Gejerman, MD, Co-chief of Urologic Oncology, Hackensack University Medical Center

Philip Kantoff, MD, Former Chair Department of Medicine, Memorial Sloan Kettering Cancer Center, CEO, Convergent Therapeutics

Garrett Nichols, MD, MS, Candel's Chief Medical Officer

Ron Tutrone, MD, National Director of Clinical Research, United Urology

Moderator: Oliver McCammon, LifeSci Capital

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ROAD MAP TO BIOLOGICS LICENSE APPLICATION (BLA)

Susan Stewart, JD LLM, Candel's Chief Regulatory Officer

Seshu Tyagarajan, PhD, Candel's Chief Technical and Development Officer

Moderator: Andres Maldonado, PhD, H.C. Wainwright & Co.

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BLA strategy

BLA on track for submission to FDA in Q4 2026

- Fast Track and RMAT designations granted
- iPSP pediatric waiver granted
- Priority Review eligible
- Expedited Review: Potential for additional reduced review timeline by 1+ more months
- Rolling Review eligible
- Small business fee waiver request

Regenerative Medicine Advanced Therapy (RMAT)

- All Fast Track designation features
- All Breakthrough Therapy designation features:
  - FDA actions to expedite development and review (e.g. 'Expedited Review")
  - Rolling review
  - Expedited review
  - Potential accelerated Approval on surrogate/intermediate endpoints
  - Organizational commitment involving senior managers
  - All meetings are now Type A or Type B

FDA interactions 2025

Prostate

- RCA Specification/Assay, Type D
- RMAT designation granted
- Tox and Biodistribution/Shedding Study Proposal, Type D
- Comparability Proposal, Type D

Lung

- EOP2/pre-Ph3 meeting, Type B

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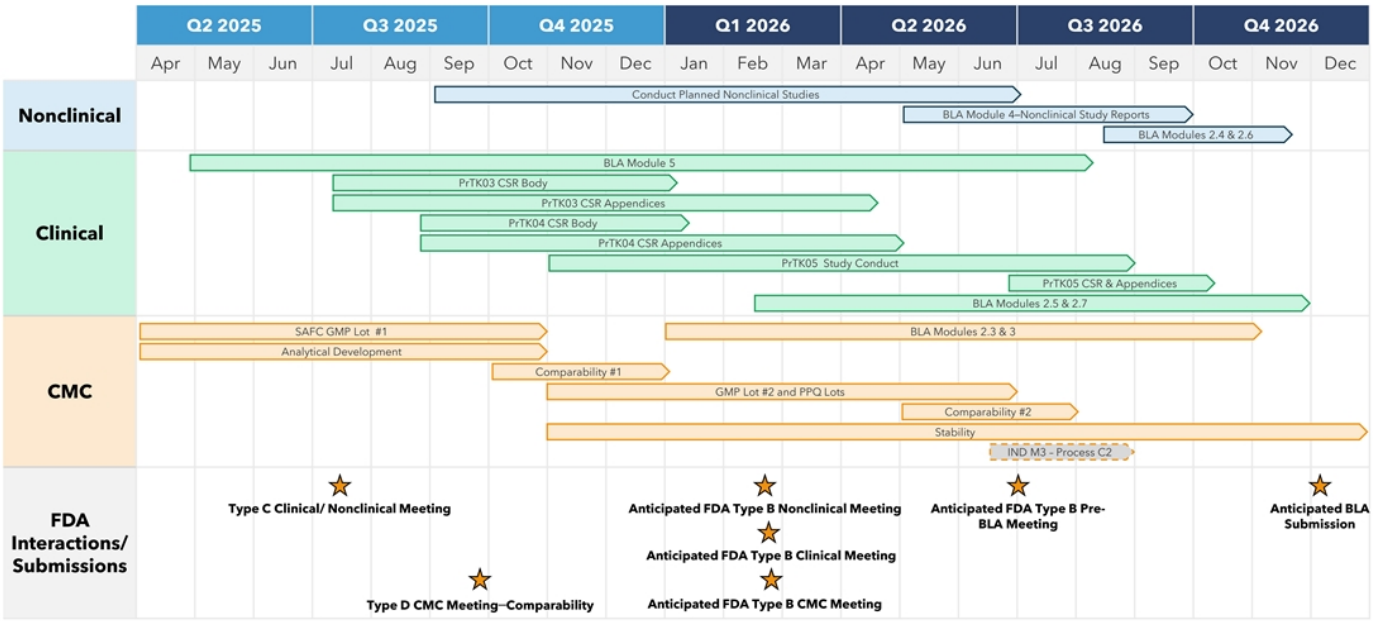
CAN-2409 prostate BLA road map: December 5, 2025



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Interactions with FDA about CAN-2409 in prostate cancer

- RMAT designation granted, allowing for frequent meetings
- FDA aligned with approach to setting RCA specification
- FDA aligned with proposed nonclinical toxicology package and clinical biodistribution/shedding study
- FDA aligned with the analytical approach for comparability
- Discussions regarding BLA submission ongoing (eg, data sets for rolling submission)

CANDEL THERAPEUTICS

Interactions with FDA about CAN-2409 in NSCLC

FDA alignment with:

Single preclinical toxicology study:

Species (mouse); RoA (IV); prodrug (ip ganciclovir)

Clinical biodistribution and shedding plan

Proposed phase 3 registration study

Contribution of the agents requirement noted–July 2025 FDA Guidance issued

"We tentatively agree that the primary evidence from the proposed phase 3 registrational study, if successful, when supported by confirmatory evidence from the phase 2 clinical trial, *could demonstrate substantial evidence of effectiveness (SEE) to support a supplemental BLA* submission and review."

CANDEL THERAPEUTICS


MANUFACTURING UPDATE
CANDEL
THERAPEUTICS

Technical operations **(CMC)** critical successes, to date

- **GMP1 run successful**
- **DP fills successful**
- **GMP2 run ongoing currently**
- **Master cell bank (MCB) and working cell bank (WCB) have been vialed, testing ongoing**
- **Commercial viral bank (VB) has been vialed, testing ongoing**
- **Potency assay has been qualified (ahead of schedule), validation ongoing**
- **Assay qualification and validation on track**
- **RCA assay development is complete**
- **FDA meeting on RCA and Comparability were productive**
- **Clear road map and alignment for executing analytical comparability**
- **Aligned with FDA on PPQ strategy**

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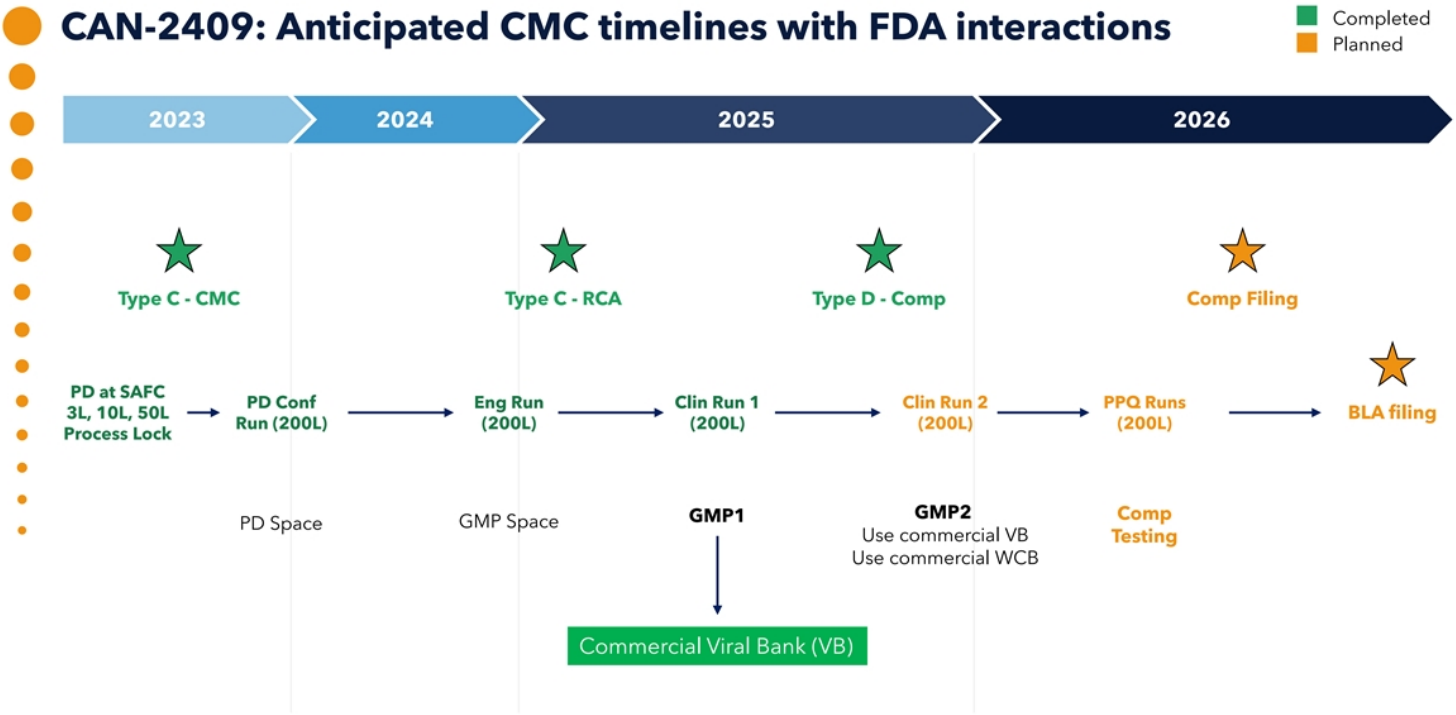
CAN-2409: Anticipated CMC timelines with FDA interactions



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CMC progress

Manufacturing	○ 4 large-scale runs + 2 midscale runs (3 × 200L runs completed, 2 × 50L runs completed, 1 × 200L run ongoing) ○ 2 DP fills completed, 3 DP fills scheduled for December/January ○ Master cell bank and working cell bank vialed, testing ongoing ○ Commercial viral bank vialed, testing ongoing
PPQ	○ All activities on track ○ Small-scale model complete ○ Master Validation Plan ongoing ○ Process characterization ongoing
Analytical	○ Assay qualification and assay validation on track ○ Analytical comparability plan aligned ○ Comparability protocol draft ongoing
Other critical work streams	○ Supply chain & launch readiness ○ Shipping validation and stability studies ○ Extractables and leachables assessment ○ PAI Readiness

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CMC scale-up on track to support regulatory filings and anticipated launch

2023	✓ Process development and scale-up from 3L to 50L to 200L ✓ Type C Meeting with FDA re: CMC
2024	✓ 200L ENG run
1H 2025	✓ Type C Meeting with FDA re: RCA ✓ 200L GMP run for commercial viral bank generation
2H 2025	✓ Type D meeting with FDA re: comparability ❑ 200L GMP run with commercial viral bank and commercial cell bank; final commercial production process
2026	❑ 3×200L PPQ runs to be used for PPQ validation and comparability testing. PPQ and comparability data to be filed in support of the BLA

Key areas of progress

- ✓ Alignment on analytical comparability plan for BLA
- ✓ No additional clinical/non-clinical studies to support comparability/BLA currently anticipated to be necessary
- ✓ Agreement on RCA strategy
- ✓ Allowed to pool materials from prior processes without further testing to generate acceptance criteria for comparability protocol

✓ Completed

CANDEL THERAPEUTICS

ENG=engineering; GMP=good manufacturing practice; PPQ=process performance qualification; RCA=replication-competent adenovirus

SAFC (Millipore Sigma/Candel's CDMO) manufacturing update

All activities on track

Small-scale model qualification is complete

Process characterization and PPQ readiness is ongoing

Showing a collaborative approach to ensure readiness for meeting BLA timelines

- Very engaged team
- Increased cadence of meetings
- Hired extra resources to ensure smooth progress
- Committed to maintain PPQ timelines

They continue to be a good partner for Candel

Candel has person-in-plant at SAFC for critical activities

CANDEL THERAPEUTICS

ROAD MAP TO BIOLOGICS LICENSE APPLICATION (BLA)

Susan Stewart, JD LLM, Candel's Chief Regulatory Officer

Seshu Tyagarajan, PhD, Candel's Chief Technical and Development Officer

Moderator: Andres Maldonado, PhD, H.C. Wainwright & Co.

CANDEL THERAPEUTICS

PRE-COMMERCIALIZATION ROAD MAP

Jonathon Mitchell, MSc, Partner, Globe Life Sciences

Jacqueline Poot, President, IDEA Pharma

Paul Peter Tak, MD, PhD, FMedSci, Candel's President and CEO

Moderator: Andres Maldonado, PhD, H.C. Wainwright & Co.

CANDEL THERAPEUTICS

Benefits of Candel's pre-commercialization model

1. EXTENSIVE COMMERCIALIZATION EXPERIENCE IN ONCOLOGY
2. MARKET-LEADING PRICING AND MARKET ACCESS CAPABILITIES TO MAXIMIZE VALUE
3. EXPERTISE TO DEFINE CRITICAL STRATEGIES & OPERATIONAL LEVERS TO ENSURE SUCCESS
4. FLEXIBILITY, SHARED RISK, AND POTENTIAL LAUNCH COST REDUCTIONS

CANDEL THERAPEUTICS

Comprehensive commercial work streams for CAN-2409 in prostate cancer

12- to 18-month commercial road map

Strategic Goals

Go-to-Market

Ensure a seamless, data-driven commercialization strategy to maximize uptake at launch

Stakeholder Engagement

Build early advocacy with KOLs, HCPs, and patient organizations to drive awareness, education, and adoption

Market Access

Secure broad and rapid payer coverage by demonstrating compelling clinical and economic value

Key Activities

Activities underway today

- Strategic road map and positioning
- Scientific publications and conferences
- Pricing and reimbursement (P&R) assessments

Planned pre-launch activities

- Onboard field-force
- KOL/patient advocacy/ omnichannel engagement
- Core value dossier and budget impact model for payer engagement
- Coverage and formulary access

At launch

- HCP/account engagement execution
- Speaker medical education program
- Monitor and address barriers to access
- Track KPIs; optimize commercial strategy

BLA submission is expected in Q4 2026.

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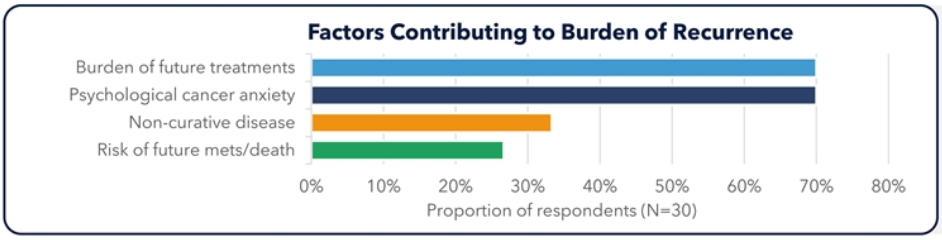
KOL=key opinion leader; HCPs=healthcare providers; KPIs=key performance indicators.

For patients electing to undergo radical therapy, achieving cure was consistently identified as the primary goal of treatment

CANDEL THERAPEUTICS

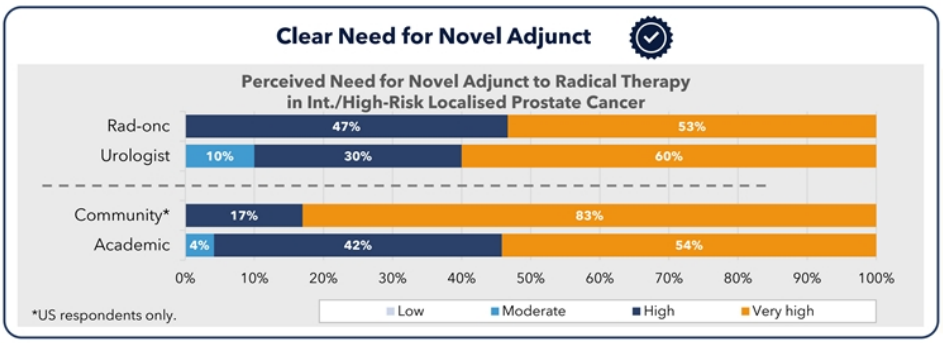
Globe Life Sciences commercial evaluation of CAN-2409 in prostate cancer, March-May 2025.
Methodology included secondary analysis and primary research with 30 KOLs/physicians and 20 payers across the US/Europe.

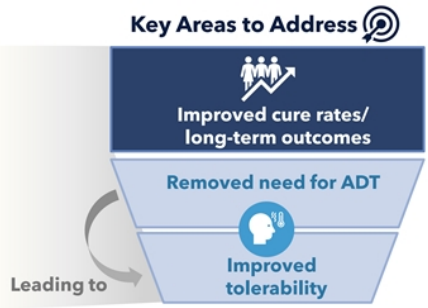
Significant patient burden associated with recurrence, while unmet need for a novel adjunct therapy to improve outcomes was consistently described by physicians and KOLs as “high” or “very high”



"The impact is pretty profound. It's very high. Once they fail primary therapy they're going to have to think about alternatives, and it's usually systemic in nature. They will have to commit to a lifelong treatment plan and associated side effects."

Community – US, Uro

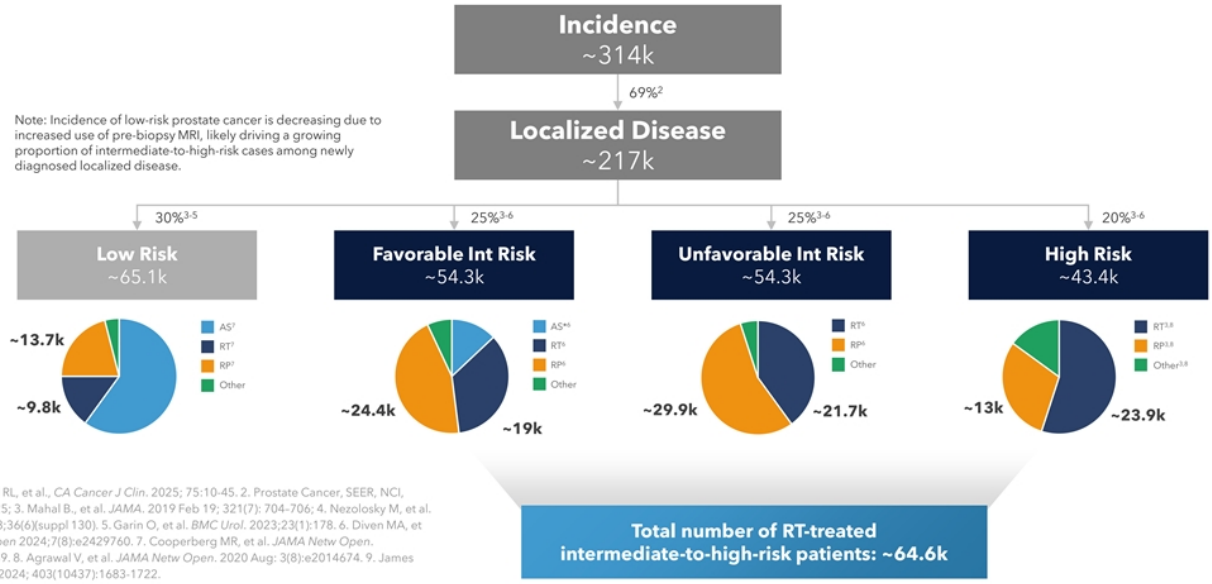




CANDEL THERAPEUTICS

Globe Life Sciences commercial evaluation of CAN-2409 in prostate cancer, March-May 2025.
Methodology included secondary analysis and primary research with 30 KOLs/physicians and 20 payers across the US/Europe.

Substantial (and growing) addressable market opportunity in intermediate- to high-risk, localized prostate cancer - 65,000 patients undergoing RT each year in the US



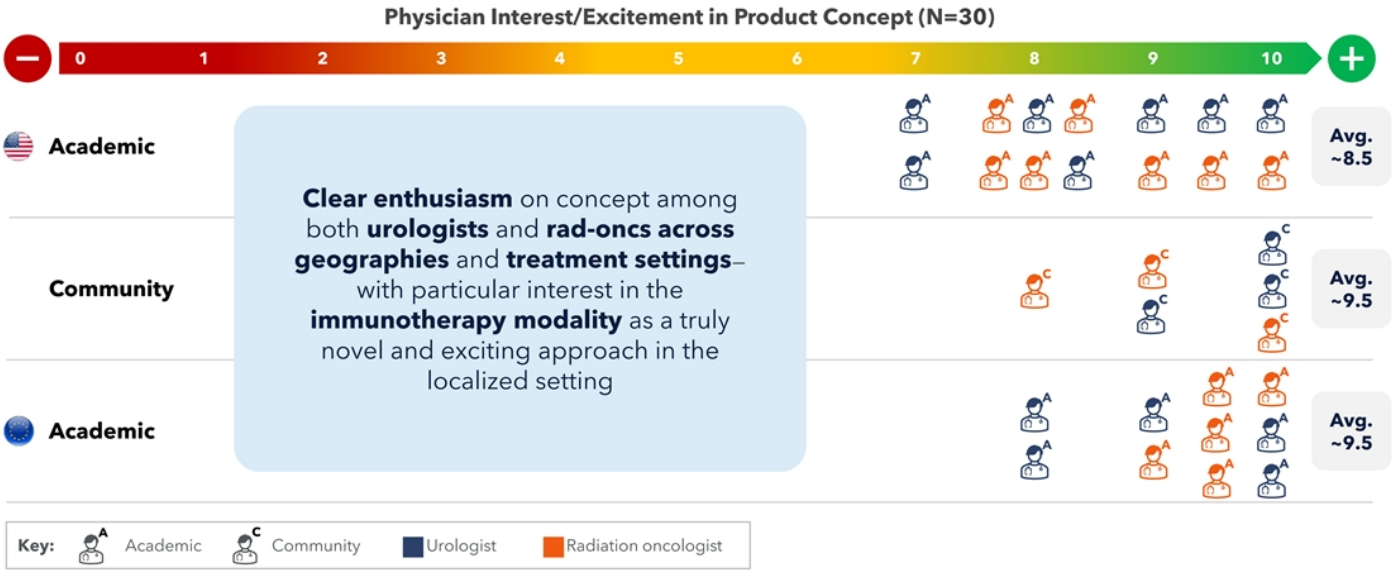
Sources: 1. Siegel RL, et al., *CA Cancer J Clin*. 2025; 75:10-45. 2. Prostate Cancer, SEER, NCI, accessed Mar 2025; 3. Mahal B., et al. *JAMA*. 2019 Feb 19; 321(7): 704-706; 4. Nezolosky M, et al. *J Clin Oncol*. 2018;36(6)(suppl 130). 5. Garin O, et al. *BMC Urol*. 2023;23(1):178. 6. Diven MA, et al. *JAMA Netw Open* 2024;7(8):e2429760. 7. Cooperberg MR, et al. *JAMA Netw Open*. 2023;6(3):e231439. 8. Agrawal V, et al. *JAMA Netw Open*. 2020 Aug: 3(8):e2014674. 9. James ND, et al. *Lancet*. 2024; 403(10437):1683-1722.

Total number of RT-treated intermediate-to-high-risk patients: ~64.6k

CANDEL THERAPEUTICS

Globe Life Sciences commercial evaluation of CAN-2409 in prostate cancer, March-May 2025.
Methodology included secondary analysis and primary research with 30 KOLs/physicians and 20 payers across the US/Europe.

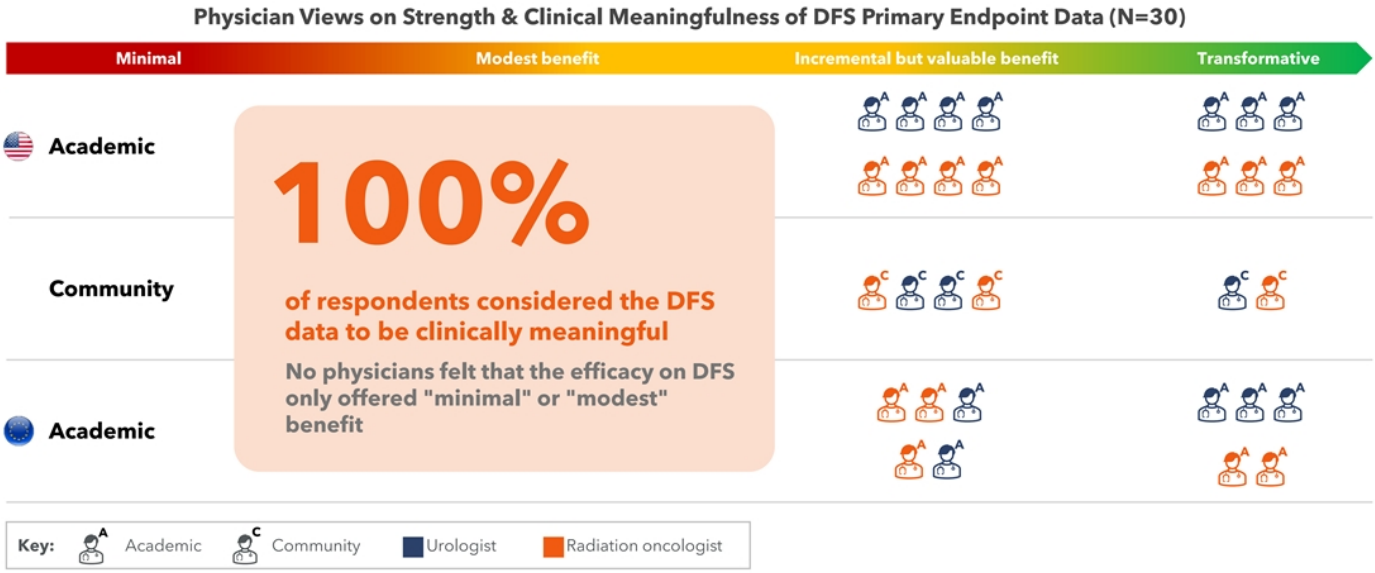
The CAN-2409 product concept generated enthusiasm and excitement among interviewed physicians–with a consistently positive response across customer segments



CANDEL THERAPEUTICS

Globe Life Sciences commercial evaluation of CAN-2409 in prostate cancer, March-May 2025.
Methodology included secondary analysis and primary research with 30 KOLs/physicians and 20 payers across the US/Europe.

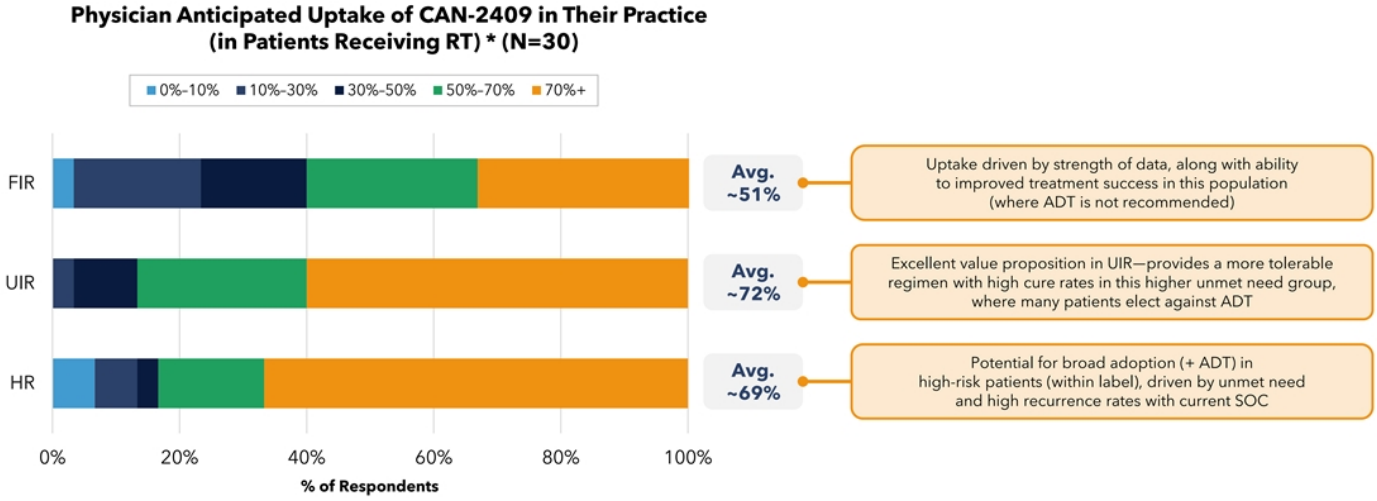
100% of interviewed physicians considered the DFS primary endpoint data to be clinically meaningful–and roughly 50% viewed it to be transformative



CANDEL THERAPEUTICS

Globe Life Sciences commercial evaluation of CAN-2409 in prostate cancer, March-May 2025.
Methodology included secondary analysis and primary research with 30 KOLs/physicians and 20 payers across the US/Europe.

Physician feedback suggests potential for strong uptake of CAN-2409 across risk groups, and adoption of the product as a standard of care in patients receiving RT



*Assuming no major reimbursement/market access barriers.
FIR=favorable intermediate risk; HR=high risk; UIR=unfavorable intermediate risk.

CANDEL THERAPEUTICS

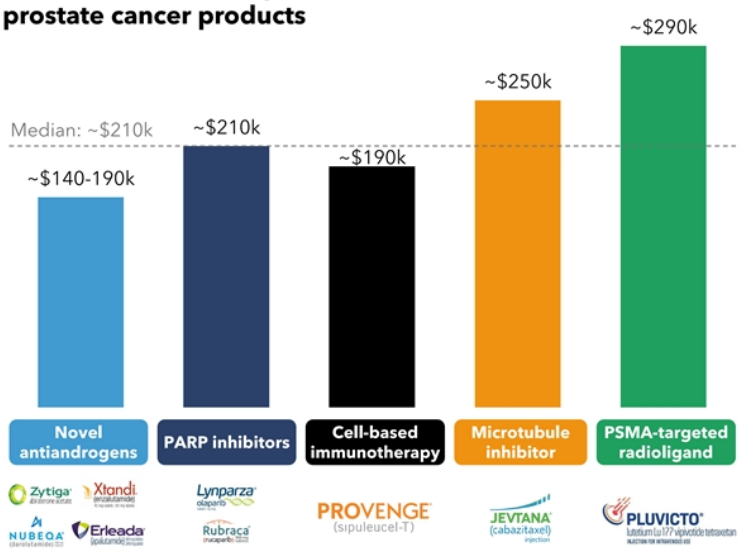
Globe Life Sciences commercial evaluation of CAN-2409 in prostate cancer, March-May 2025.
Methodology included secondary analysis and primary research with 30 KOLs/physicians and 20 payers across the US/Europe.

Benchmarks and payer feedback support an illustrative pricing range for CAN-2409 in localized prostate cancer

Payer study findings

- **Phase 3 results resonate with payers and purchasers**—30% improvement in disease-free survival (DFS) and 38% improvement in prostate cancer-specific DFS viewed as clinically meaningful
  - Trial size and design seen as appropriate
- **Payers receptive to attractive price points,** in line with annualized costs of other prostate cancer therapies without significant access restrictions, based on CAN-2409's clinical value
- **Payers generally demonstrate minimal price sensitivity** if the product is included in NCCN guidelines—if is recommended (Category 1 or 2A) it will be covered regardless of price

Annual wholesale acquisition cost (WAC) for selected prostate cancer products



Note: Prices assume continuous treatment on annual basis except Provenge and Pluvicto, which are one-time treatments.

Globe Life Sciences commercial evaluation of CAN-2409 in prostate cancer, March-May 2025.
Methodology included secondary analysis and primary research with 30 KOLs/physicians and 20 payers across the US/Europe.

CANDEL THERAPEUTICS

CAN-2409 is positioned to succeed in early localized prostate cancer

CAN-2409: Off-the-shelf pan-solid tumor therapy, individualized anticancer immune response

- Positive Phase 3 randomized placebo-controlled clinical trial in localized, intermediate-to-high-risk prostate cancer
- Disease-free survival as primary endpoint was a key element of the Special Protocol Assessment (SPA) agreement with the FDA
- FDA Regenerative Medicine Advanced Therapy (RMAT) designation in prostate cancer, Fast Track designation in NSCLC, pancreatic cancer, and prostate cancer. Orphan Drug designation in pancreatic cancer
- "Pipeline in a product" strategy advancing multiple programs in several large indications
- IP protection: CAN-2409 (2034, method of use); 12 years data exclusivity
- Low-cost manufacturing
- Pre-commercialization activities underway to support potential post-approval commercial launch of CAN-2409

CANDEL THERAPEUTICS

Our commercial strategy is anchored in aligned critical success factors

Critical Success Factor 1

Establish stakeholder belief in CAN-2409 as a transformative new treatment option that advances SoC

Critical Success Factor 2

Optimize distribution, purchase, and reimbursement of CAN-2409

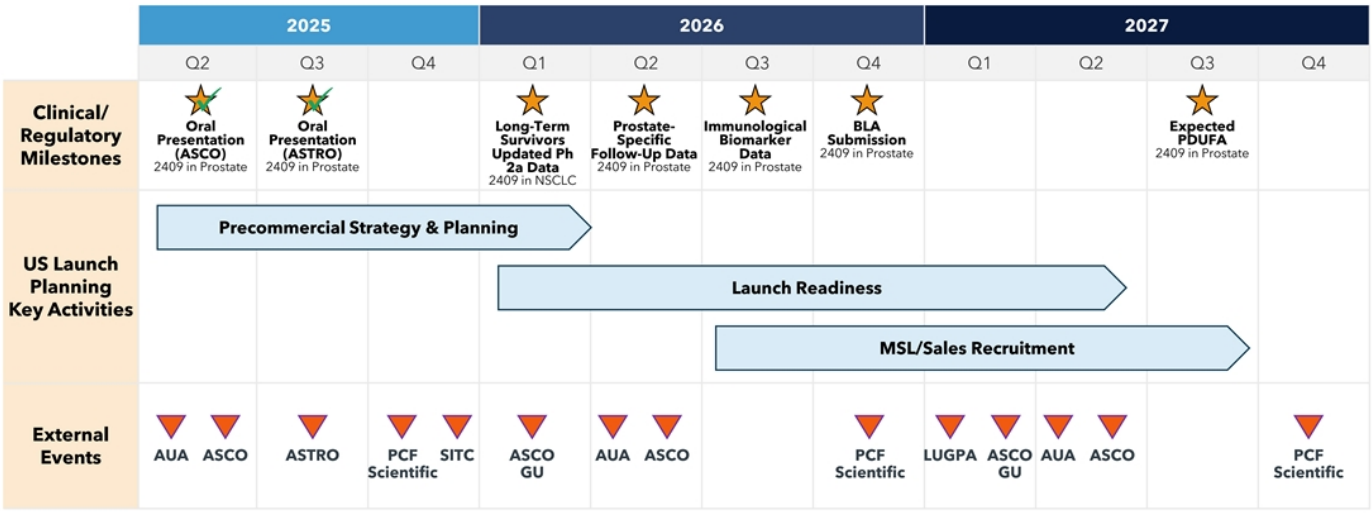
Critical Success Factor 3

Maximize pricing by communicating strong value proposition to payers and providers

Driving commercial success for CAN-2409 includes thoughtful medical communications, an optimized channel/distribution Go-to-Market approach, and a compelling pricing/market access strategy.

CANDEL THERAPEUTICS

Anticipated CAN-2409 cross-functional launch readiness and milestone events

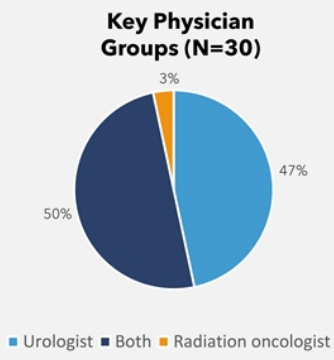


AUA=American Urological Association, ASCO=American Society of Clinical Oncology, ASCO GU=ASCO Genitourinary Cancers Symposium, ASTRO=American Society for Radiation Oncology, HGG=high-grade glioma, LUGPA=Large Urology Group Practice Association, MSL=medical science liaison, NSCLC=non-small cell lung cancer, PCF Scientific=Prostate Cancer Foundation Scientific, SITIC=Society of Immunotherapy of Cancer

CANDEL THERAPEUTICS

Field sales launch strategy to drive rapid penetration in both community and hospital urologic oncology practices

Physicians



Urologist

- Ensure strong education and awareness around the product concept—including around its ease of use, excellent safety, and demonstrated clinical efficacy
- Communicate ability to retain treatment of patients who elect to undergo radiotherapy
- Optimize financial incentives associated with administration of CAN-2409 by the urologist

Radiation Oncologist

- As with urologists, ensure strong education around the product concept—and optimize financial incentives for radiologists who may administer the product
- Communicate potential synergy of CAN-2409 with radiotherapy

Patients

Patient engagement would be a critical component of the commercial strategy, given the influence patients have on decision-making in localized disease

- Drive patient interest through increased likelihood of cancer cure, with minimal side effects and one-off treatment—which can help avoid the significant burden of recurrence
- Manage perceptions around administration

CANDEL THERAPEUTICS

Globe Life Sciences commercial evaluation of CAN-2409 in prostate cancer, March–May 2025.
Methodology included secondary analysis and primary research with 30 KOLs/physicians and 20 payers across the US/Europe.

CAN-2409 prostate cancer anticipated launch expected to create a scalable commercial platform across the pipeline

Anchor launch	Transferrable infrastructure	Enterprise leverage across pipeline
○ PCa potential launch (CAN-2409) builds core commercial and operational capabilities	○ Regulatory pathways ○ CMC and quality systems ○ Supply chain ○ Commercial operations ○ Market access ecosystem	○ CAN-2409 NSCLC ○ CAN-3110 ○ enLIGHTEN™ Platform ○ Future solid tumor indications

Expected outcomes:

- ✓ Reduces cost/time for future launches
- ✓ Provides repeatable BLA and supply chain frameworks
- ✓ Enables multi-indication expansion without proportional headcount growth
- ✓ Creates enterprise commercial readiness ahead of pipeline inflection points

CANDEL THERAPEUTICS

PRE-COMMERCIALIZATION ROAD MAP

Jonathon Mitchell, MSc, Partner, Globe Life Sciences

Jacqueline Poot, President, IDEA Pharma

Paul Peter Tak, MD, PhD, FMedSci, Candel's President and CEO

Moderator: Andres Maldonado, PhD, H.C. Wainwright & Co.

CANDEL THERAPEUTICS

CAN-2409 FOR IMMUNE CHECKPOINT INHIBITOR REFRACTORY NON-SMALL CELL LUNG CANCER

Charu Aggarwal, MD, Professor of Lung Cancer Excellence, Perelman School of Medicine, University of Pennsylvania

Roy Herbst, MD, PhD, Ensign Professor of Medicine (Medical Oncology) and Professor of Pharmacology, Yale Cancer Center

Dan Sterman, MD, Thomas and Suzanne Murphy Professor of Medicine and Cardiothoracic Surgery, NYU Langone Health

Moderator: John Newman, PhD, Canaccord Genuity

CANDEL THERAPEUTICS

Phase 2a clinical trial of CAN-2409 + continued ICI in stage III/IV NSCLC patients with an inadequate response to ICI

Stage 3/4 nonresectable NSCLC with inadequate response to ICI

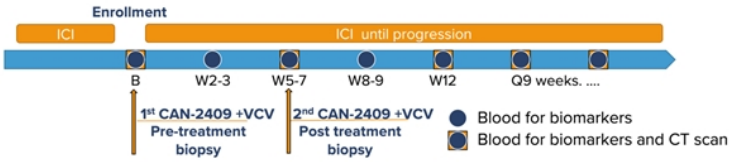
N=80
(40 per cohort)

- Cohort 1: Stable disease (after >18 weeks ICI)
- Cohort 2: Progressive disease (after >18 weeks ICI)

CAN-2409 and valacyclovir (2 courses) with continued standard of care: anti-PD-1/PD-L1 ± chemotherapy

March 2025 data

- Final overall survival data
- Long tail of survival
- Predictive biomarker of response (histology)
- Immunological biomarker data



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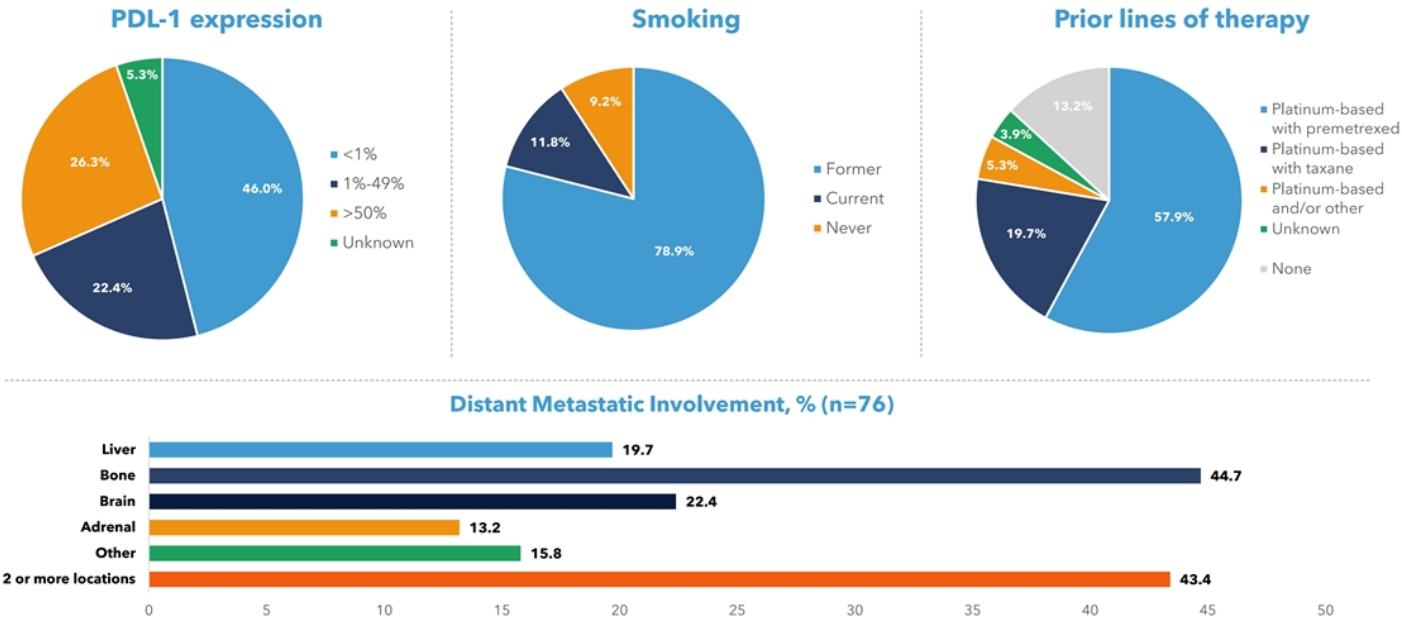
Note: ClinicalTrials.gov ID: NCT04495153.

Study population: unfavorable prognostic factors at baseline



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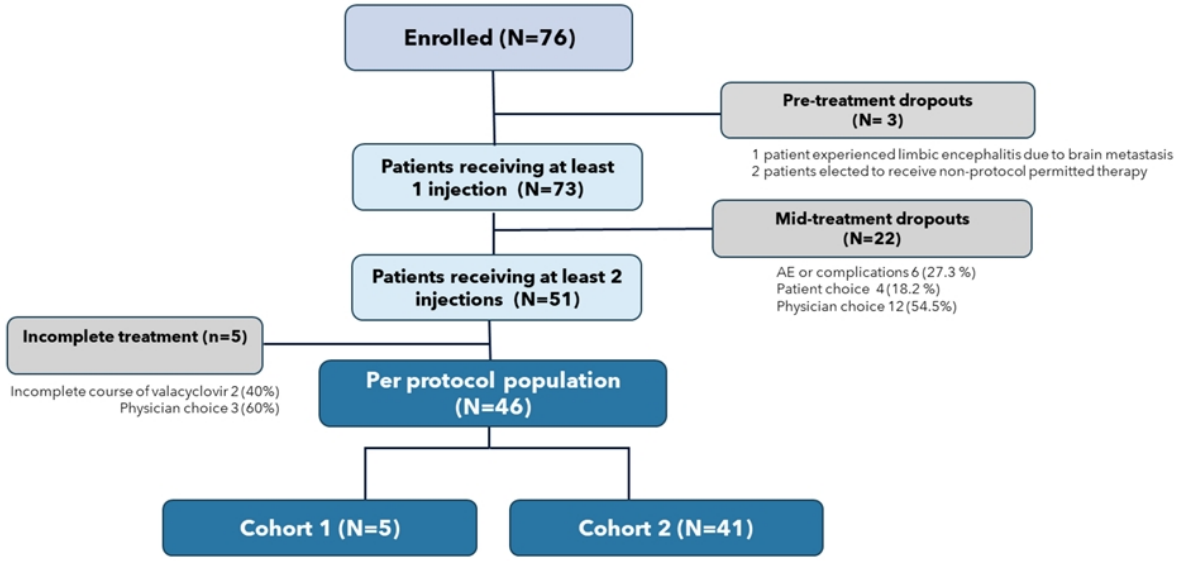
CONSORT diagram



Per protocol population: patients who received complete treatment consisting of 2 courses of CAN-2409 + prodrug (valacyclovir) and had a week 12 assessment.
Adverse events. Cohort 1(2inj): pneumonitis grade 3, possibly related to study drug; pulmonary embolism grade 3, unrelated to study drug. Cohort 2 (2inj): empyema grade 3, possibly related to study drug; pneumonia grade 3, pre-syncope grade 2, and bullous dermatitis grade 3, all unrelated to study drug.

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AE=adverse event.

Baseline demographics and characteristics: Per-protocol population is representative of overall study population

	Enrolled n=76 (%)	Per protocol n=46 (%)
Age		
Median (range), years	67 (43-88)	69 (43-84)
Sex		
Female	34 (44.7%)	22 (47.8%)
Male	42 (55.3%)	24 (52.2%)
Race		
Black/African American	10 (13.2%)	7 (15.2%)
Asian	1 (1.3%)	1 (2.2%)
White	61 (80.3%)	37 (80.4%)
Unknown	4 (5.3%)	1 (2.2%)
Ethnicity		
Not Hispanic or Latino	67 (88.2%)	41 (89.1%)
Not reported	9 (11.8%)	5 (10.9%)
PD-L1 expression		
<1%	35 (46.0%)	21 (45.7%)
1%-49%	17 (22.4%)	13 (28.3%)
≥50%	20 (26.3%)	8 (17.4%)
Unknown	4 (5.3%)	4 (8.7%)
Stage		
Stage 3	7 (9.2%)	6 (13.0%)
Stage 4	69 (90.8%)	40 (87.0%)

	Enrolled n=76 (%)	Per protocol n=46 (%)
Smoking history		
Never	7 (9.2%)	4 (8.7%)
Former	60 (78.9%)	38 (82.6%)
Current	9 (11.8%)	4 (8.7%)
Treatment regimen at enrollment		
Single ICI	53 (69.7%)	30 (65.2%)
ICI plus chemotherapy	23 (30.3%)	16 (34.8%)
ICI regimen		
Durvalumab	3 (3.9%)	3 (6.5%)
Nivolumab	5 (6.6%)	3 (6.5%)
Pembrolizumab	68 (89.5%)	40 (87.0%)
Chemo regimen at enrollment		
Pemetrexed	23 (30.3%)	16 (34.8%)
None	53 (69.7%)	30 (65.2%)
Prior lines of treatment		
None	10 (13.2%)	6 (13.0%)
Platinum-based with pemetrexed	44 (57.9%)	26 (56.5%)
Platinum-based with taxane	15 (19.7%)	11 (23.9%)
Platinum-based and/or other	4 (5.3%)	3 (6.5%)
Unknown	3 (3.9 %)	0 (0%)

CANDEL THERAPEUTICS

CAN-2409 demonstrated a generally favorable safety and tolerability profile

Most Common Treatment-Emergent Related Adverse Events Occurring In ≥5% of patients (n=73)					
Grade: n (%)	1	2	3	4	Total
Gastrointestinal disorders					
Diarrhea	5 (7)	0 (0)	0 (0)	0 (0)	5 (7)
Nausea	11 (15)	4 (5)	0 (0)	0 (0)	15 (21)
Vomiting	4 (5)	2 (3)	0 (0)	0 (0)	6 (8)
General disorders and administration site conditions					
Chills	8 (11)	0 (0)	0 (0)	0 (0)	8 (11)
Fatigue	16 (22)	7 (10)	0 (0)	0 (0)	23 (32)
Influenza-like illness	3 (4)	1 (1)	0 (0)	0 (0)	4 (5)
Pyrexia	12 (16)	1 (1)	1 (1)	0 (0)	14 (19)
Investigations					
Aspartate aminotransferase increased	4 (5)	0 (0)	0 (0)	0 (0)	4 (5)
Blood creatinine increased	4 (5)	3 (4)	0 (0)	0 (0)	7 (10)
Metabolism and nutrition disorders					
Decreased appetite	2 (3)	4 (5)	0 (0)	0 (0)	6 (8)
Nervous system disorders					
Headache	3 (4)	1 (1)	0 (0)	0 (0)	4 (5)
Respiratory, thoracic, and mediastinal disorders					
Dyspnea	2 (3)	4 (5)	0 (0)	0 (0)	6 (8)
Pneumonitis	0 (0)	2 (3)	2 (3)	0 (0)	4 (5)

- Most treatment-related AEs (TRAEs) grade 1-2
- Grade 3 TRAEs in <5% of patients
- No DLTs or TRAEs ≥grade 4 reported
- TRAEs are consistent with the MOA (eg, chills, pyrexia)

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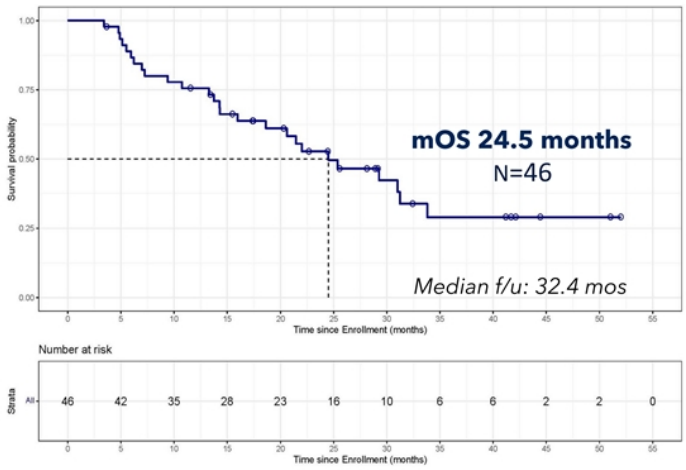
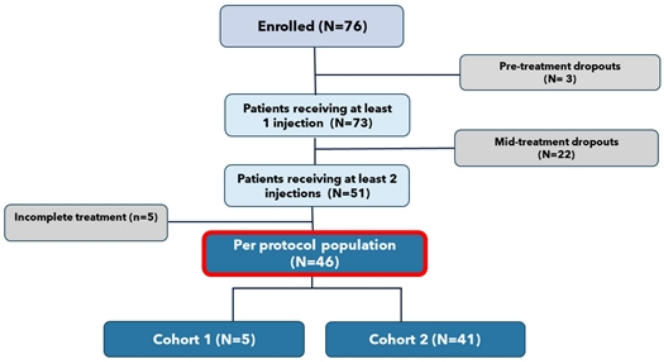
DLT=dose limiting toxicity; MOA=mode of action; TRAE=treatment-related adverse events.

mOS of 24.5 months after CAN-2409 treatment in NSCLC patients with an inadequate response to immune checkpoint inhibitors (Cohort 1 and Cohort 2)

Cohort 1 + Cohort 2 (per-protocol population)



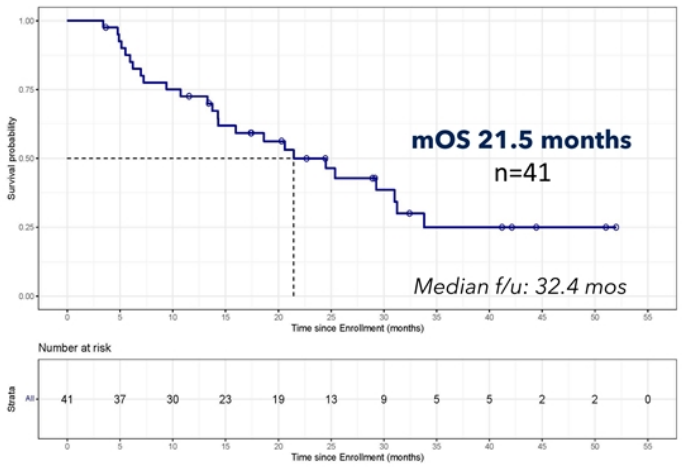


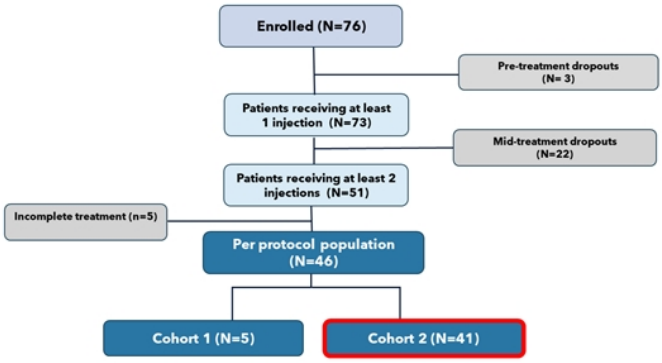
Per protocol population: patients who received complete treatment consisting of 2 courses of CAN-2409 + prodrug (valacyclovir) and had a week 12 assessment.

CANDEL THERAPEUTICS

mOS of 21.5 months after CAN-2409 treatment in NSCLC patients with progressive disease despite immune checkpoint inhibitor (Cohort 2)

Cohort 2 (per-protocol population): Patients with the greatest unmet medical needs





Per-protocol population: patients who received complete treatment consisting of 2 courses of CAN-2409 + prodrug (valacyclovir) and had a week 12 assessment.

Historical controls: mOS in PD-1 refractory population with SoC chemo is 9.8–11.8 mos.[1,2]

CANDEL THERAPEUTICS

1. Paz-Ares LG et al. *J Clin Oncol.* 2024;42:2860-2872; 2. Ahn MJ et al. *J Clin Oncol.* 2024;43:260-272.

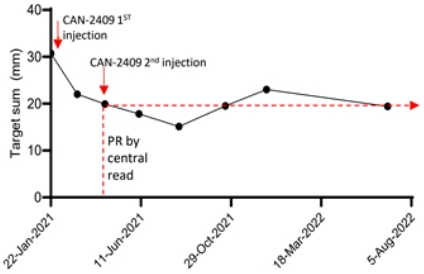
CAN-2409 induced long-term, systemic antitumor activity in progressive, metastatic NSCLC

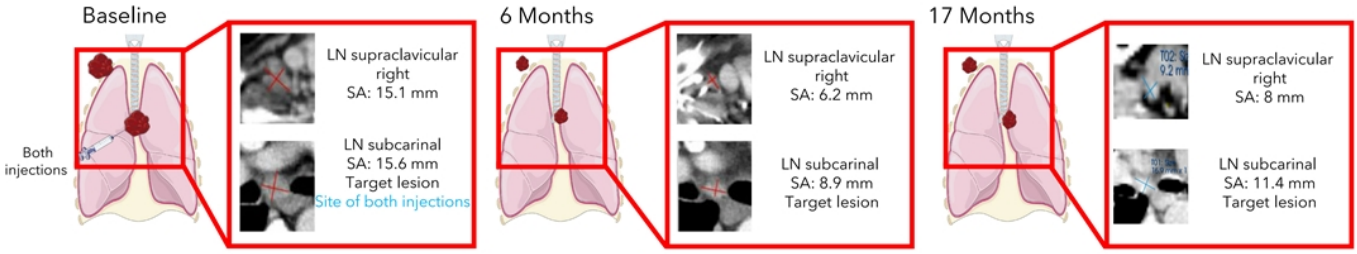
Abscopal effect, survival >52 months (ongoing) after CAN-2409 treatment

As of 20-Oct-2025

NY-007 (Cohort 2)

74-year-old male, Stage IV nonsquamous NSCLC diagnosed February 2019, PD-L1 <1%
Initial therapy: cisplatin/etoposide treatment February-July 2019
Maintenance: nivolumab treatment beginning in September 2019, continued on study
OS 52.4 mo. (ongoing as of LFV June 2025)





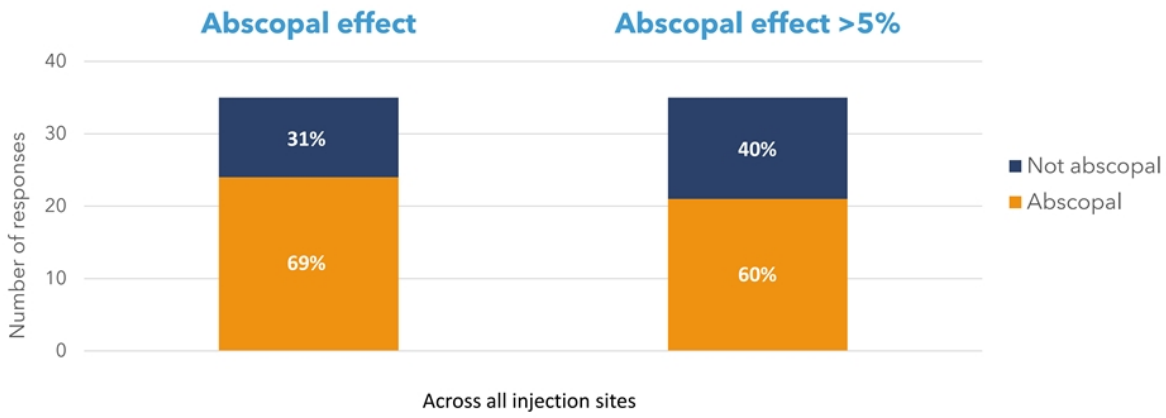
Legend
RECIST target lesions (red)

LA=long axis; LFV=last follow up visit; LN=lymph node; SA=short axis.
Schematics to show general lesion injection orientation; not to scale.

CANDEL THERAPEUTICS

Local injection-induced systemic antitumor activity

Regression of uninjected lesions in ~two-thirds of patients presenting with multiple lesions

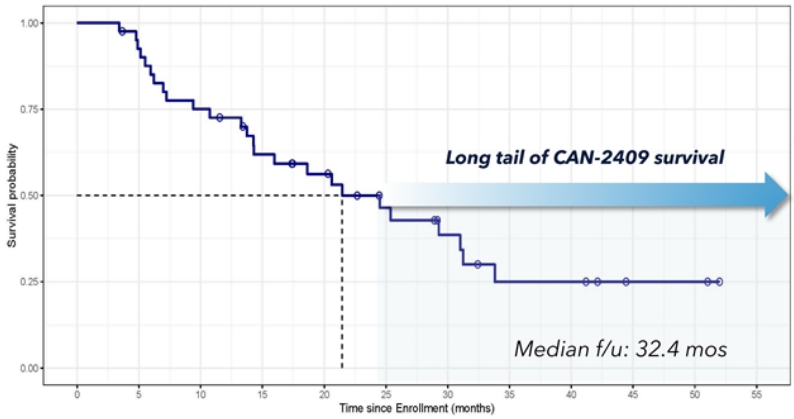


- Systemic or abscopal effect (decrease of uninjected lesions) was measured in all evaluable patients with at least 1 uninjected lesion (n=35)
- Decrease of at least 5% observed in at least 1 uninjected lesion

CANDEL THERAPEUTICS

Long tail of survival: 37% of patients alive >2 years after CAN-2409 administration in patients with progressive NSCLC at time of enrollment

Cohort 2 (per-protocol population)



Time post treatment	No. of patients	% survivors*
>24 months	15	37%
>30 months	9	22%
>36 months	5	12%
>40 months	5	12%
>50 months	2	5%

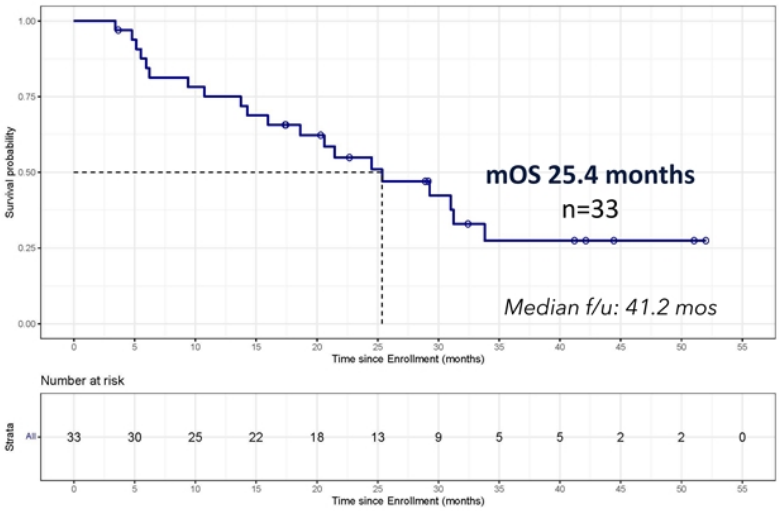
Enrichment of nonsquamous NSCLC among long-term survivors in Cohort 2:
14/15 patients with OS >24 months and 9/9 patients with OS >30 months had nonsquamous NSCLC

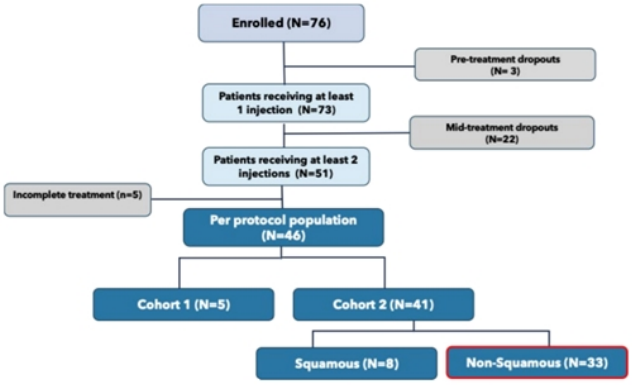
CANDEL THERAPEUTICS

*Percentages rounded to the nearest whole number.

mOS of 25.4 months after CAN-2409 treatment in nonsquamous NSCLC patients with progressive disease despite ICI (per protocol in Cohort 2)

Cohort 2 (per-protocol population, nonsquamous NSCLC): Patients with the greatest unmet medical needs and histologic subset most likely to benefit from CAN-2409



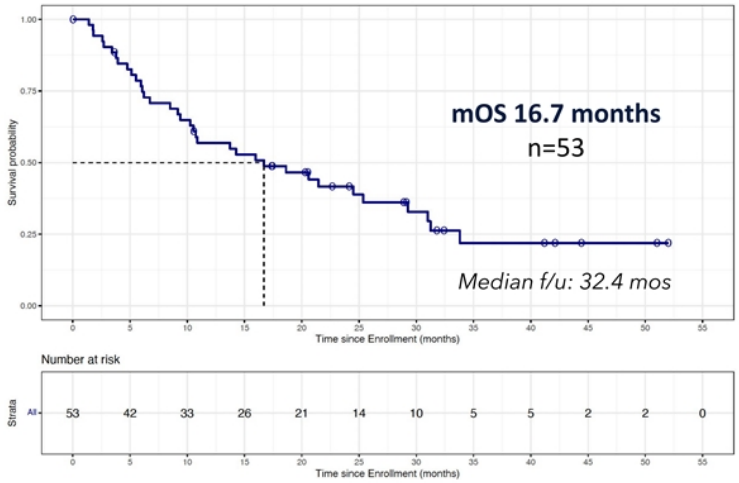


Per protocol population: patients who received complete treatment consisting of 2 courses of CAN-2409 + prodrug (valacyclovir) and had a Week 12 assessment.

CANDEL THERAPEUTICS

mOS of 16.7 months after CAN-2409 in nonsquamous NSCLC patients with progressive disease despite ICI (ITT* in Cohort 2)

Cohort 2 (ITT population,* nonsquamous NSCLC)



Historical controls: mOS in PD-1 refractory NSCLC with nonsquamous disease with SoC chemo is 9.9–12.3 mos.[1,2]

EVOKE-01 Trial (Gilead)[1]
Paz Ares L, 2024

Overall with SoC (n=304): 9.8 mos
Non-SQ with SoC (n=224): 9.9 mos
SQ with SoC (n=80): 9.2 mos

TROPION-LUNG01 Trial (AstraZeneca and Daiichi Sankyo)[2]
Ahn MJ, 2024

Overall with SoC (n=305): 11.8 mos
Non-SQ with SoC (n=232): 12.3 mos
SQ with SoC (n=73): 9.4 mos

***Exploratory analysis; experimental medicine Phase 2a clinical trial is designed for per-protocol analysis, not for ITT analysis.**

CANDEL THERAPEUTICS

1. Paz-Ares LG et al. *J Clin Oncol.* 2024;42:2860-2872; 2. Ahn MJ, et al. *J Clin Oncol.* 2024;43:260-272.

Positive overall survival data in phase 2a clinical trial of CAN-2409 in NSCLC

Experimental treatment of CAN-2409 + valacyclovir in NSCLC patients with an inadequate response to ICI was well tolerated, with median overall survival (mOS) of 24.5 months after only 2 administrations

We observed mOS of 21.5 months in patients with progressive disease at baseline, markedly exceeding mOS reported in this population using SOC chemotherapy (9.8–11.8 months)

Long tail of survival with 37% of patients alive >2 years after CAN-2409 administration

Potential for precision medicine approach in patients with the greatest unmet medical needs

mOS of 25.4 months after CAN-2409 treatment in nonsquamous NSCLC patients (70%-75% of patients) with progressive disease despite ICI

90% of the patients had stage 4 disease; an abscopal effect was observed in ~two-thirds of the patients presenting with at least one uninjected lesion

This observation supports the hypothesis that only 1 or 2 tumors need to be injected to teach the immune cells how to recognize the patient's tumor and induce systemic and durable antitumor immunity associated with improved survival

CANDEL THERAPEUTICS

*The comparisons in mOS for NSCLC are not head-to-head.

CAN-2409 FOR IMMUNE CHECKPOINT INHIBITOR REFRACTORY NON-SMALL CELL LUNG CANCER

Charu Aggarwal, MD, Professor of Lung Cancer Excellence, Perelman School of Medicine, University of Pennsylvania

Roy Herbst, MD, PhD, Ensign Professor of Medicine (Medical Oncology) and Professor of Pharmacology, Yale Cancer Center

Dan Sterman, MD, Thomas and Suzanne Murphy Professor of Medicine and Cardiothoracic Surgery, NYU Langone Health

Moderator: John Newman, PhD, Canaccord Genuity

CANDEL THERAPEUTICS

CAN-3110 FOR RECURRENT GLIOBLASTOMA

Francesca Barone, MD, PhD, Candel's Chief Scientific Officer

Henry Brem, MD, Professor of Neurosurgery, Johns Hopkins University

Moderator: Kemp Dolliver, Brookline Capital Markets

CANDEL THERAPEUTICS

CAN-3110: High-grade glioma opportunity

Prevalence of glioblastoma in the US[1]

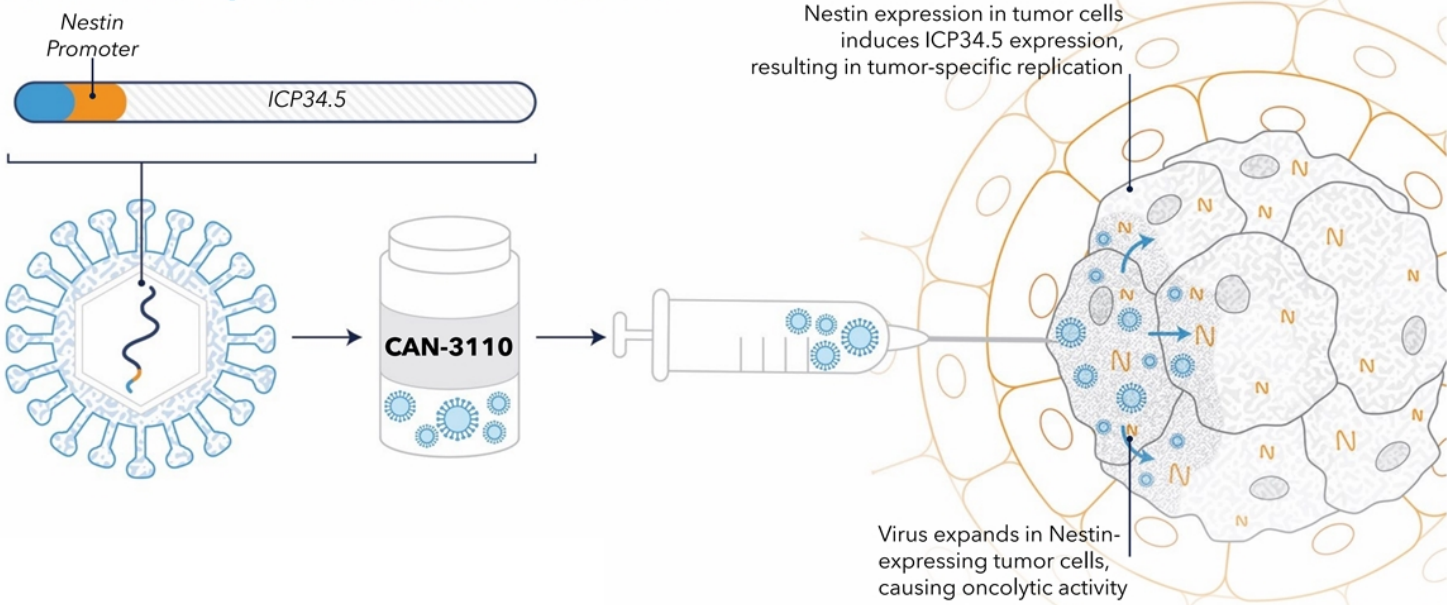
- Glioblastoma, the most common form of high-grade glioma, is a rare and often deadly cancer[1]
- Fewer than 10% of patients survive >5 years past initial diagnosis[2]
- Median overall survival <6-9 months in recurrent high-grade glioma[3]
- Current standard of care includes surgical resection with few available therapeutic options
- Significant opportunity to improve survival by teaching the immune system how to recognize the cancer cells and turn "cold tumors" into "hot tumors"

CANDEL THERAPEUTICS

1. Miller KD et al. CA Cancer *J Clin.* 2021;71:381-406. 2. Stupp R et al. *Lancet Oncol.* 2009;10:459-466. 3. vanLinde MC et al. *J Neuro Onc.* 2017;135:183–192

Candel's second investigational medicine, CAN-3110: Mechanism of action

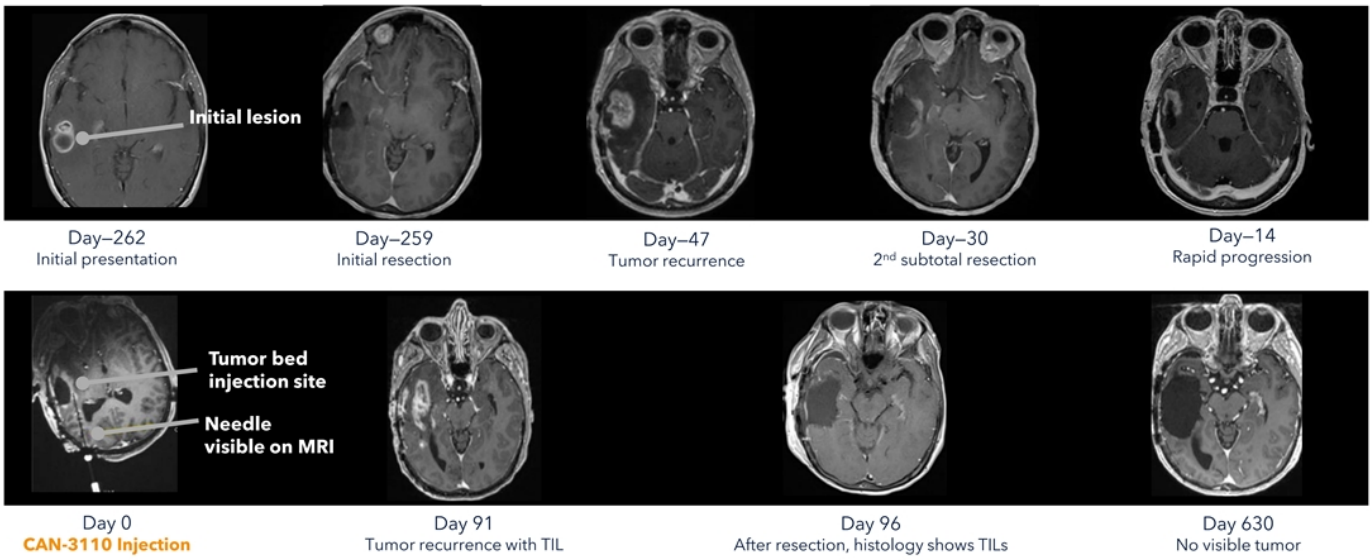
Please visit https://vimeo.com/822133681



CANDEL THERAPEUTICS

CAN-3110 is an investigational product and its mechanism of action in humans has not been definitively established. This depiction of the CAN-3110 mechanism of action and the MoA video linked above are based on preclinical data and observations in clinical studies to date.

Durable response for 2 years after single injection of CAN-3110 in recurrent glioblastoma (patient died in an accident)

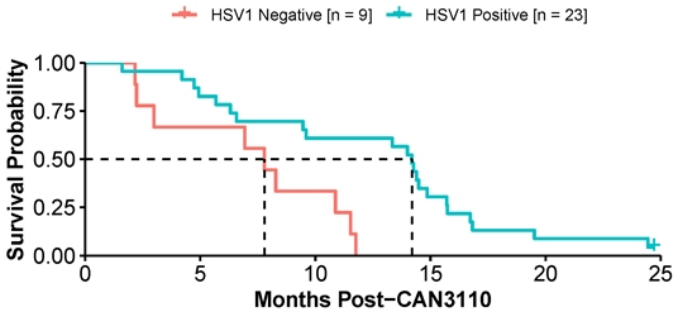


61 YOF, IDH wild-type, MGMT methylated glioblastoma, right temporal lesion initially treated with surgery, chemoradiation, and temozolomide
CAN-3110 dose: 10^8 PFUs. Patient died as passenger in a motor vehicle accident on Day 717.

CANDEL THERAPEUTICS

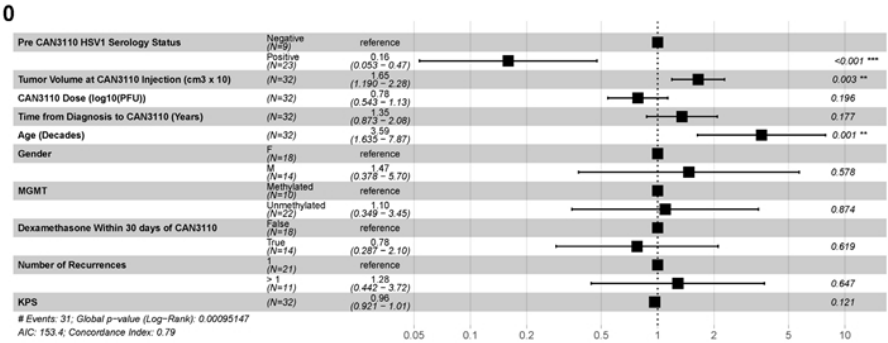
Ling AL et al. *Nature.* 2023;623:157-166.

Prolonged survival after CAN-3110 treatment was associated with HSV1 seropositivity



HSV2 serology status is not associated with survival.

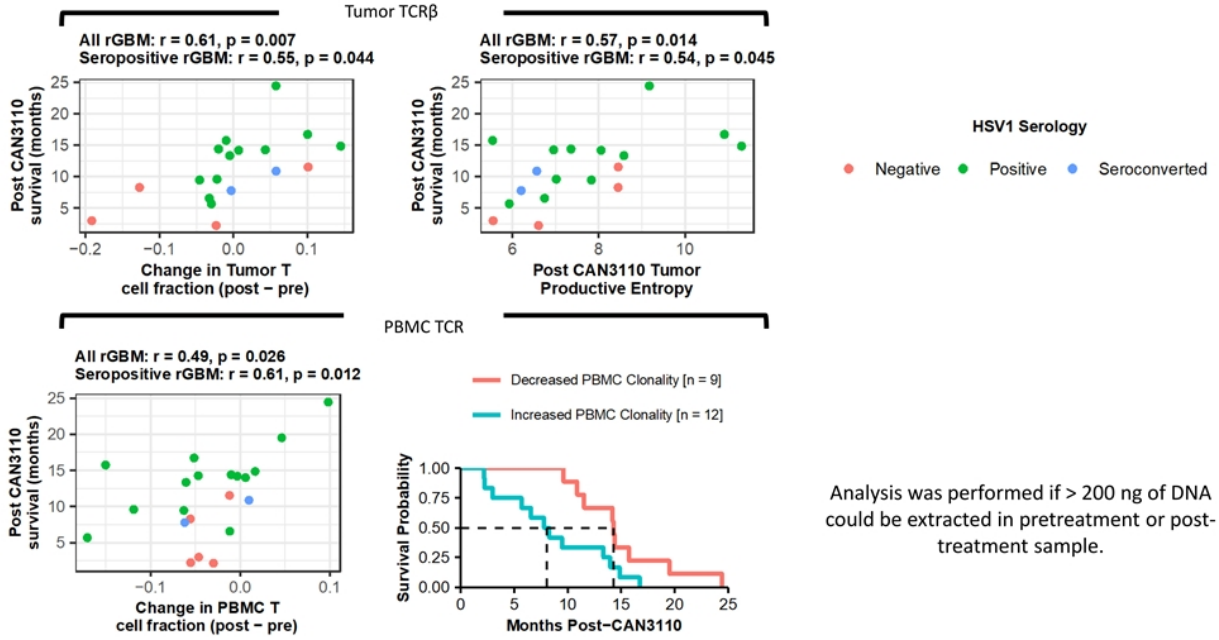
CO×PH Hazard Ratios



CANDEL THERAPEUTICS

Ling AL et al. *Nature.* 2023;623:157-166.

Changes in T-cell fractions and TCRβ diversity correlate with survival after CAN-3110 treatment



Analysis was performed if > 200 ng of DNA could be extracted in pretreatment or post-treatment sample.

CANDEL THERAPEUTICS

Ling AL et al. *Nature.* 2023;623:157-166.

Survival data after repeated administration of CAN-3110 in recurrent glioblastoma (ongoing), suggesting a long tail of survival

At the time of data cutoff (8/15/2025), ***2 patients were still alive after single CAN-3110 injection after*** prolonged follow-up (***59.2 and 42.4 months***, respectively)

Encouraging data after repeated injections of CAN-3110

Patient	Age	Sex	# of injections	OS (months)	Status
1	54	M	4	12.42	D
2	66	F	6	28.16	A
3	75	F	6	8.94	D
4	64	M	5	13.60	D
5	61	F	4	21.75	D
6	69	F	4	5.49	D
7	53	F	4	6.11	A
8	46	F	5	5.09	A
9	59	M	5	3.09	A

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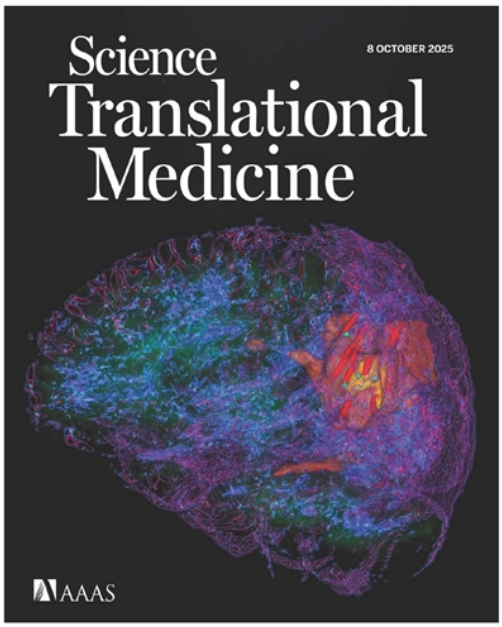
Patients1-6 received 1×10^8 pfu of CAN-3110/injection.
Patients 7-9 received 1×10^7 pfu of CAN-3110/injection.

CAN-3110 induced dynamic spatial and temporal remodeling of the tumor microenvironment, where tumor cells are replaced by immune cells



CANDEL THERAPEUTICS

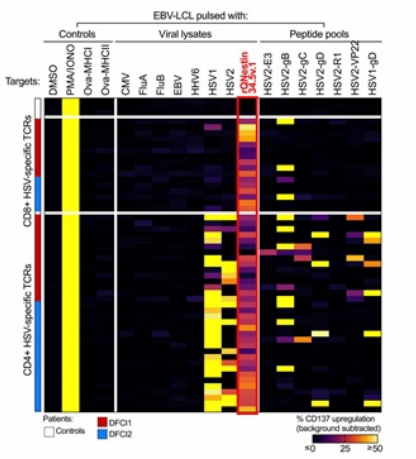
Ling AL et al. *Sci Transl Med.* 2025;17:eadv2881.

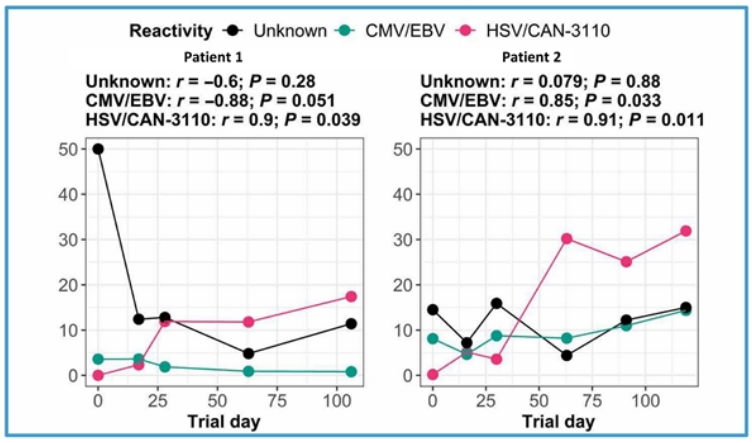
CAN-3110 induced HSV-reactive T-cell clones in rGBM

192 TCRα/β pairs from 169 clonotypes, were reconstructed and screened for antigen specificity

Up to 30% of identified TCRs were reactive to CAN-3110.

- *CD8+ HSV/CAN-3110-reactive TILs enriched in IFNG+LAG3+ T effector cells (FDR <0.2) and displayed tissue-resident, activated program (Hobit+, TOX–)*
- *CD4+ HSV/CAN-3110-reactive TILs enriched in PDCD1+CTLA4+ T effector cells*



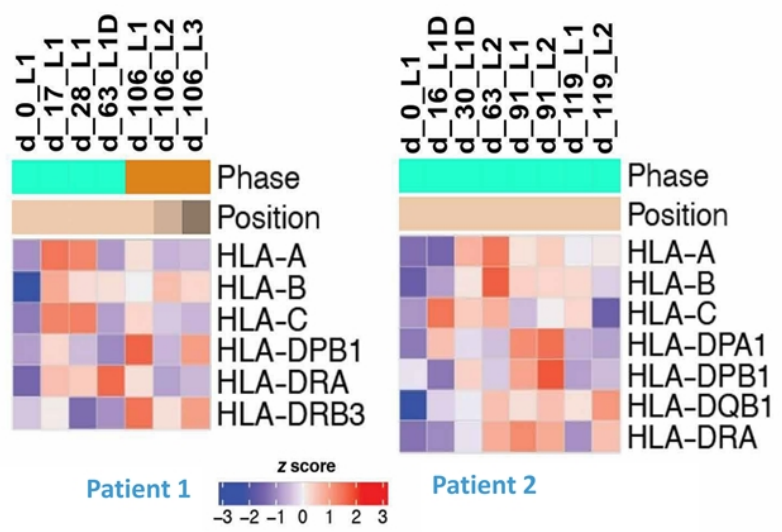


CANDEL THERAPEUTICS

Ling AL et al. *Sci Transl Med*. 2025;17:eadv2881.

CAN-3110 treatment enhanced HLA-immunopeptidome expression, including glioma-associated CTAs and tumor-associated antigens

- HLA-A, HLA-B, HLA-C, and HLA-DR levels were increased in nearly all post-treatment biopsies
- HLA-I–bound immunopeptides were elevated post-treatment
- Several upregulated immunopeptides matched pan-cancer cancer/testis antigens (CTAs) and glioma-associated testis-specific antigens (GFAP, myelin basic protein, and antigens associated with GBM progression/invasion, eg, VIM, S100A9)



CANDEL THERAPEUTICS

Ling AL et al. *Sci Transl Med.* 2025;17:eadv2881.

Encouraging safety data, clinical activity, and immunological changes after CAN-3110 in recurrent high-grade glioma (glioblastoma)

- Monotherapy treatment with CAN-3110 in rHGG is well tolerated and associated with doubling of expected median overall survival
- Immunological changes in the tumor microenvironment are associated with improved survival and HSV1 seropositivity
- First 9 patients have been dosed in Cohort C (fully funded by the Break Through Cancer foundation)
- Repeated injections of CAN-3110 (up to 6) feasible, well tolerated, and associated with encouraging survival data
- Near absence of tumor cells alongside dense lymphocyte infiltrates in biopsies obtained after repeated CAN-3110 administration
- Despite MRI-diagnosed tumor progression, multiomic analyses revealed therapeutic effects, including expansion of CAN-3110–reactive and other T-cell clonotypes, and induced expression of human leukocyte antigen (HLA)–presented immunopeptides

CANDEL THERAPEUTICS

CAN-3110 FOR RECURRENT GLIOBLASTOMA

Francesca Barone, MD, PhD, Candel's Chief Scientific Officer

Henry Brem, MD, Professor of Neurosurgery, Johns Hopkins University

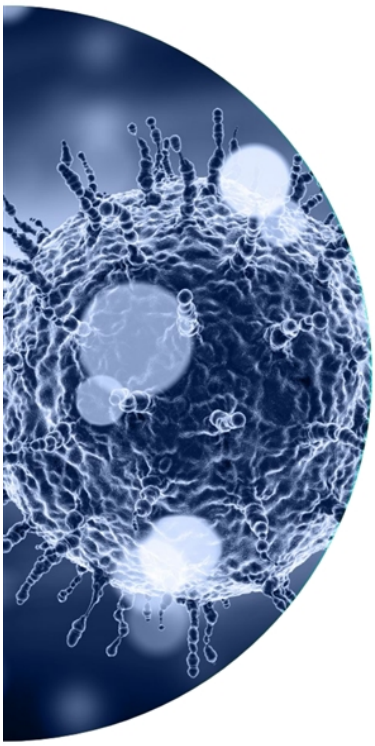
Moderator: Kemp Dolliver, Brookline Capital Markets

CANDEL THERAPEUTICS

CANDEL THERAPEUTICS RESEARCH & DEVELOPMENT DAY 2025: Q&A

Kemp Dolliver, Brookline Capital Markets
Sudan Loganathan, PhD, Stephens
Andres Maldonado, PhD, H.C. Wainwright & Co.
Imogen Mansfield, MA, MBA, Cantor Fitzgerald
Oliver McCammon, LifeSci Capital
John Newman, PhD, Canaccord Genuity
Yigal Nochomovitz, PhD, Citi Group
Alec Stranahan, PhD, Bank of America
Moderator: Paul Peter Tak, MD, PhD, FMedSci, Candel's CEO

CANDEL THERAPEUTICS



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THANK YOU

Candel Research & Development Day
December 5, 2025
NASDAQ: CADL