

Tipping the balance in favor of the immune system to fight cancer



BIO International Convention | June 2022

NASDAQ: CADL

Forward Looking Statements

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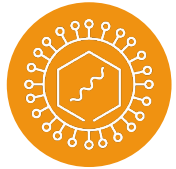
Candel overview: Oncolytic viral immunotherapies

- Two key investigational medicines



- CAN-2409

- Engineered, replication-defective adenoviral gene construct encoding HSV-thymidine kinase
- Ongoing clinical trials in NSCLC, high-grade glioma (HGG), pancreatic cancer, and prostate cancer
- Pipeline in a product
- Upcoming catalysts (Q4 2022): NSCLC and 1st line treatment of HGG



- CAN-3110

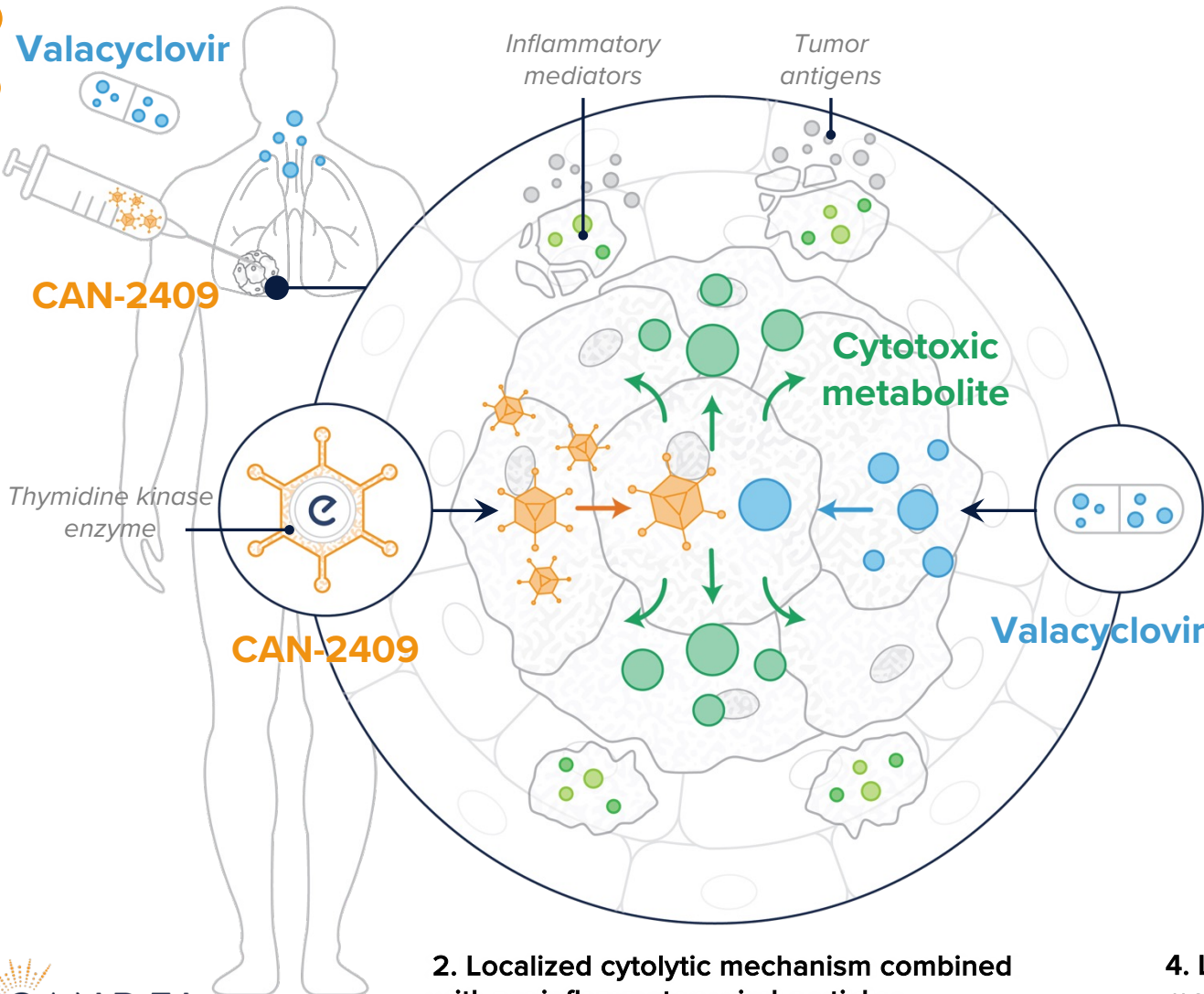
- Engineered, replication-competent herpes simplex virus with tumor-specificity
- Opportunity for expansion of indications outside the brain
- Upcoming catalyst (Q4 2022): Phase 1b clinical trial data in recurrent HGG

- enLIGHTEN™ Discovery Platform based on HSV technology

- Strong scientific support from external experts, including high-profile Research Advisory Board
- Significant unmet need and commercial opportunity for each selected indication
- IPO in July 2021 provided net proceeds of \$71.3M plus \$20.0M of long-term debt in Feb 2022
- Cash of \$94.3M as of March 31, 2022 – funds currently planned operations into Q4 2023

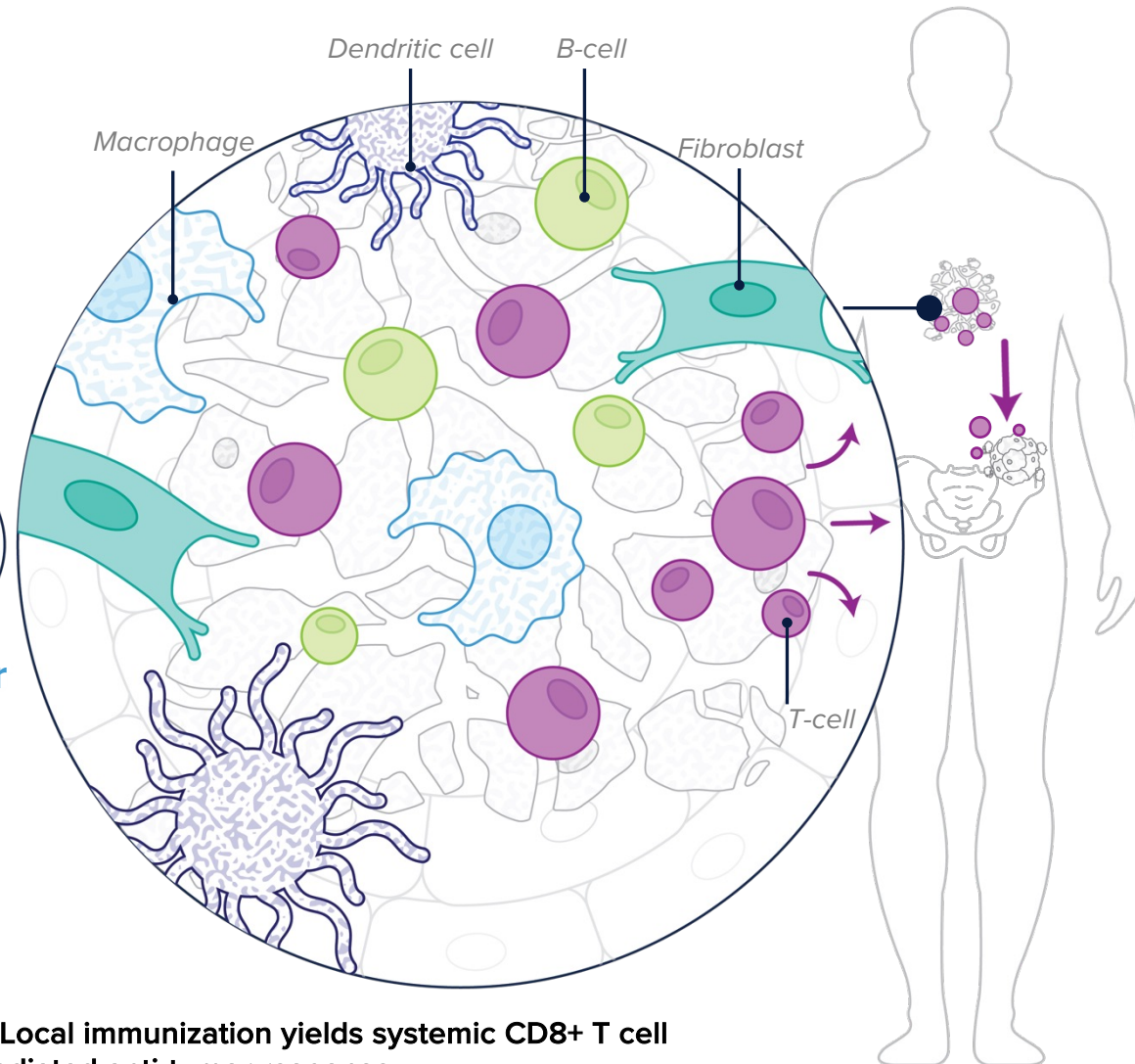
CAN-2409: Mechanism of action

1. CAN-2409 locally administered and oral prodrug



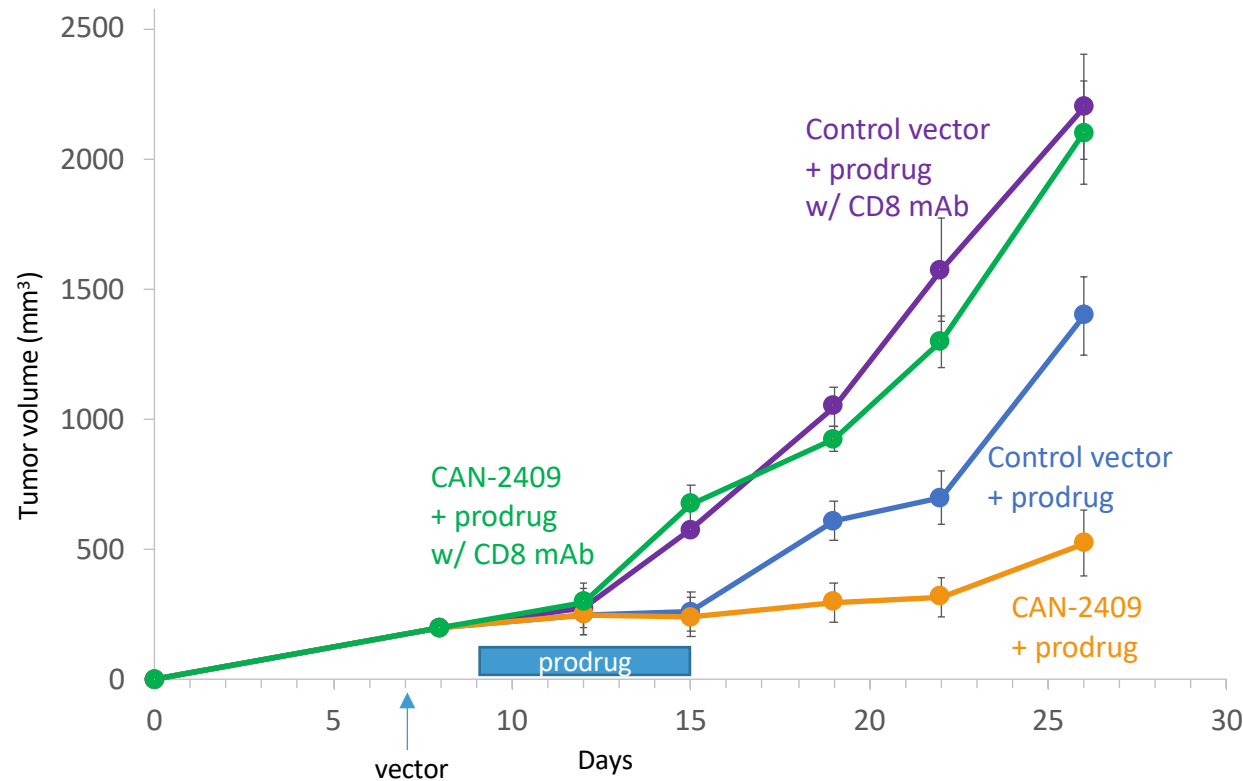
2. Localized cytolytic mechanism combined with proinflammatory viral particles

3. CAN-2409 induces CD8+ cytotoxic T cells



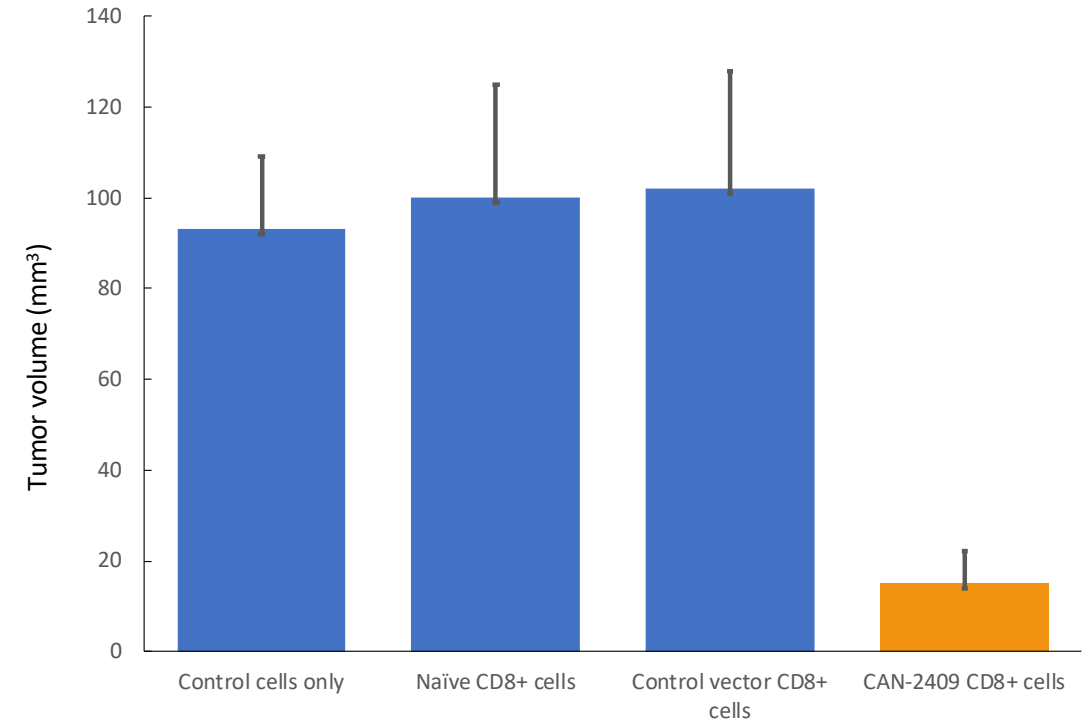
4. Local immunization yields systemic CD8+ T cell mediated anti-tumor response

Response to CAN-2409 treatment is dependent on CD8+ T cells and transferable in mouse models of cancer



Depletion of CD8+ cells eliminates effect

Esophageal cancer model (AKR) flank tumors in C57Bl/6 mice (n = 8 per group)

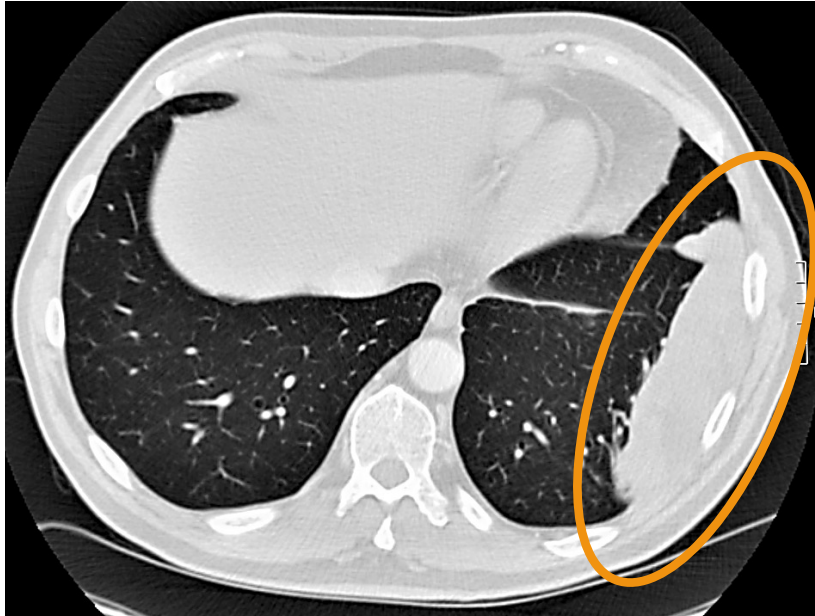


CD8+ cells from 'cured' mice protect naïve mice from tumor challenge

Winn Assay: Lung cancer model (TC-1) flank tumors in C57Bl/6 mice (n = 5 per group)

Monotherapy activity of CAN-2409 in newly diagnosed NSCLC

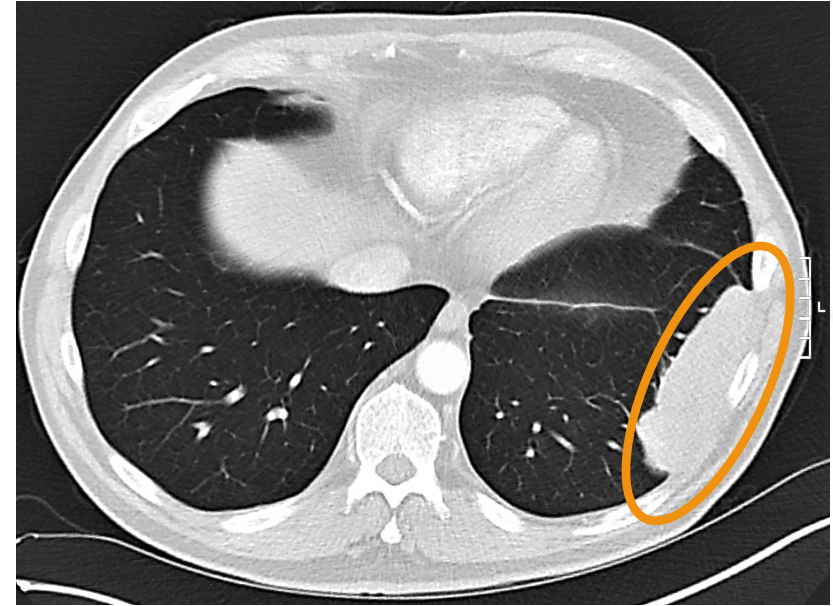
70 yr old male with a 14.8 cm stage IIIA sarcomatoid carcinoma



Day 0

Tumor Dimensions: 148 x 40 x 82 mm

1x10¹² vp dose

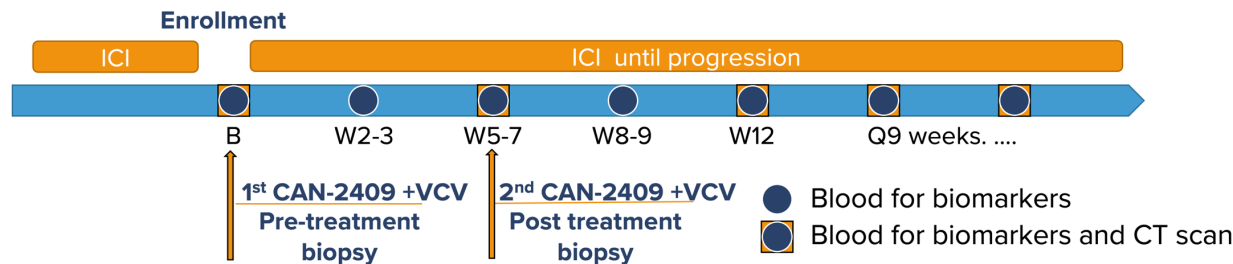
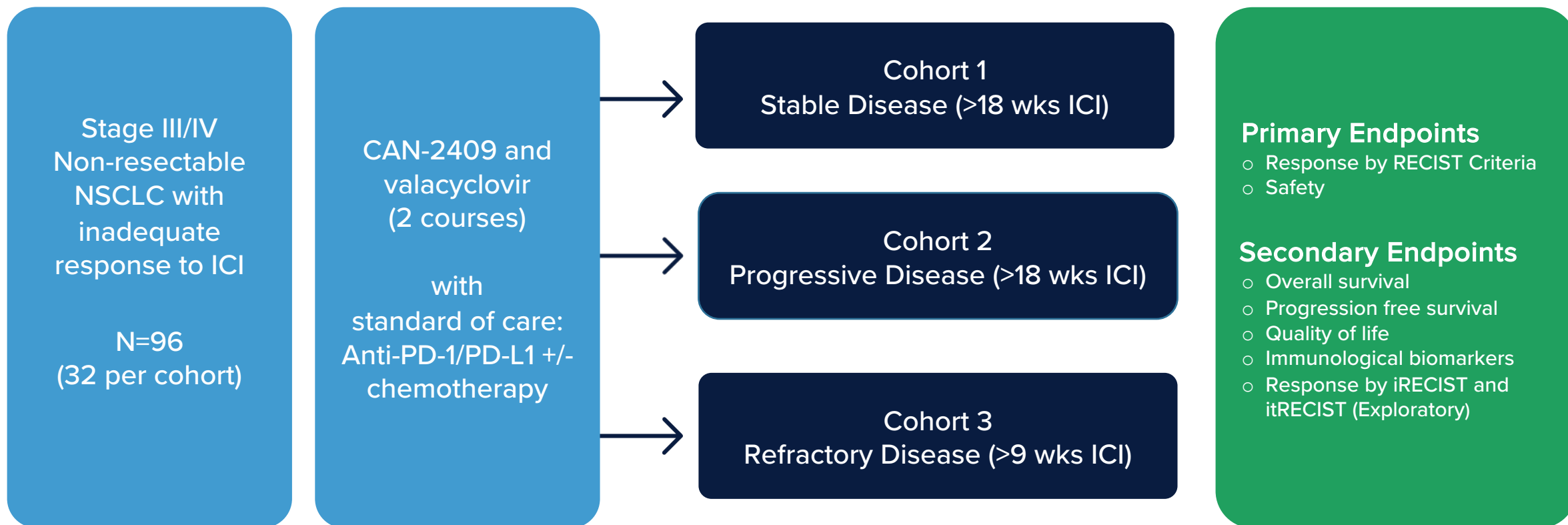


Day 22

Tumor Dimensions: 100 x 34 x 75 mm

Nearly 50% decrease in tumor volume* in 3 weeks

Ongoing phase 2 clinical trial of CAN-2409 in combination with ICI in stage III/IV NSCLC

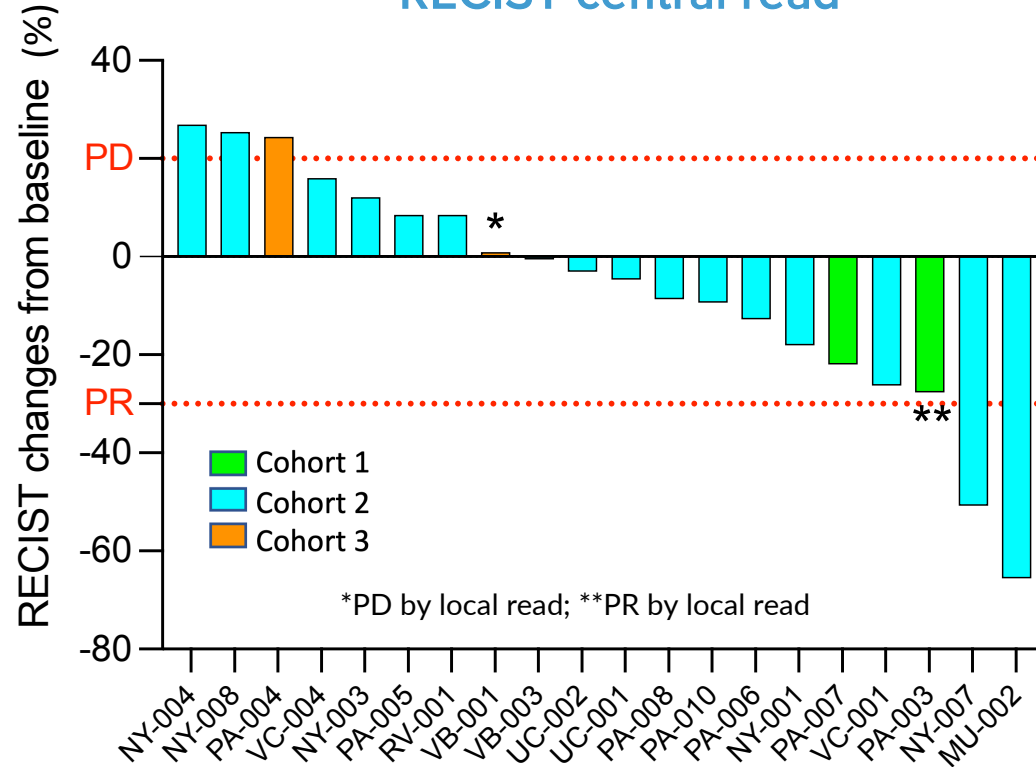


Cytotoxic T cell response and disease control in ongoing phase 2 clinical trial of CAN-2409 combined with continued ICI treatment in NSCLC

- Disease control rate of 87.5% in patients who were all progressing on anti-PD-1 therapy at entry
- Partial response in 15% of the patients
- Evidence of tumor regression in both injected and uninjected lesions
- Induction of local and systemic cytotoxic T cell response

Clinical activity in first evaluable NSCLC patients after CAN-2409 treatment

Best responses
RECIST central read



Efficacy measures

Cohort	Completed 12-week treatment	PR	SD	PD	DCR	DoR for PR (w)	DoR for SD (w)
1	2	1**	1	0	50%	24.1+	26.9
2	16	2	12	2	87.5%	26.7-37.9+	5.4+ - 50.4+
3	2	0	0	2*	0%	n/a	n/a

PR= partial response; SD= stable disease; PD= progressive disease; DCR = disease control rate

DoR PR= weeks from PR to progression

DoR SD=weeks from SD to progression

+ongoing response

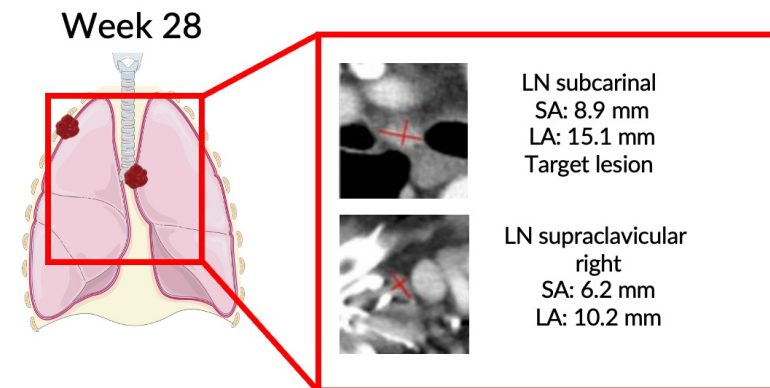
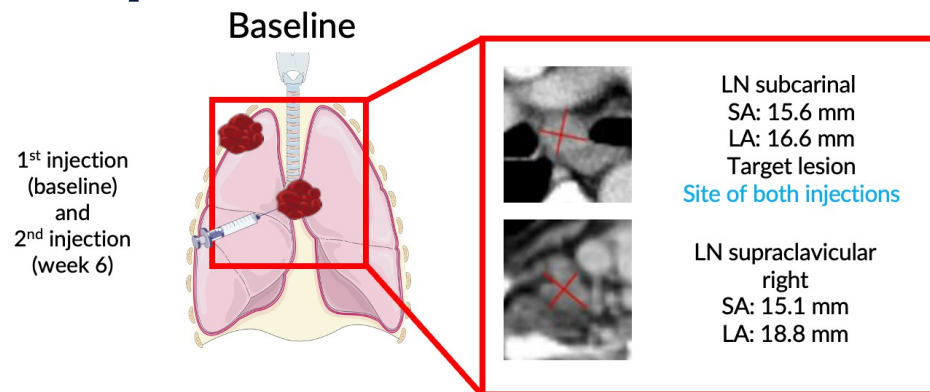
*PD by local read; **PR by local read

Patients were considered evaluable if they completed both courses of CAN-2409 followed by valacyclovir and had > 12 weeks follow up

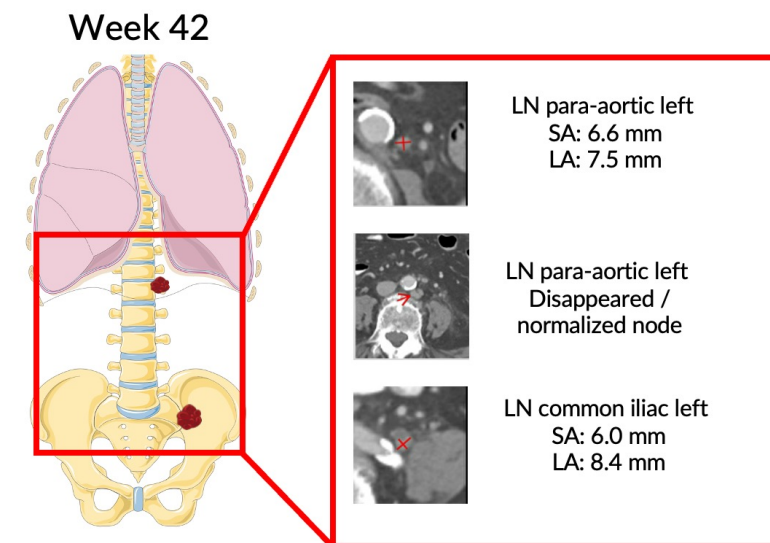
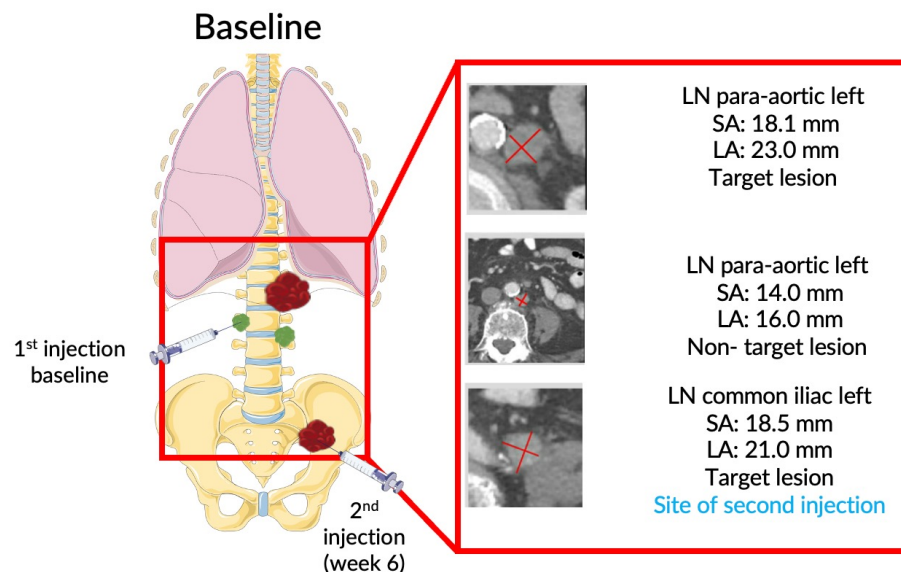
C Aggarwal et al. Abstract #9037 ASCO June 2022

Evidence of abscopal effect

NY-007 (Cohort 2)
 74M, Stage IV Non-SQ
 PD-L1 <1%
 Diagnosed Feb'19
 cisplatin/etoposide Feb'19 to Jul'19,
 nivolumab monotherapy from Sep'19
 thru trial
 PR by local and central read



MU-002 (Cohort 2)
 69F, Stage III 2013, Stage IV 2019
 Non-SQ
 PD-L1 unknown
 Started pembro monotherapy Jan'20
 thru trial
 PR by local and central read



Legend

RECIST target lesions (red)

Non-target lesions (green)

Schematics to show general lesion injection orientation; not to scale
 LN = lymph node; LA = long axis; SA = short axis

C Aggarwal et al. Abstract #9037 ASCO June 2022

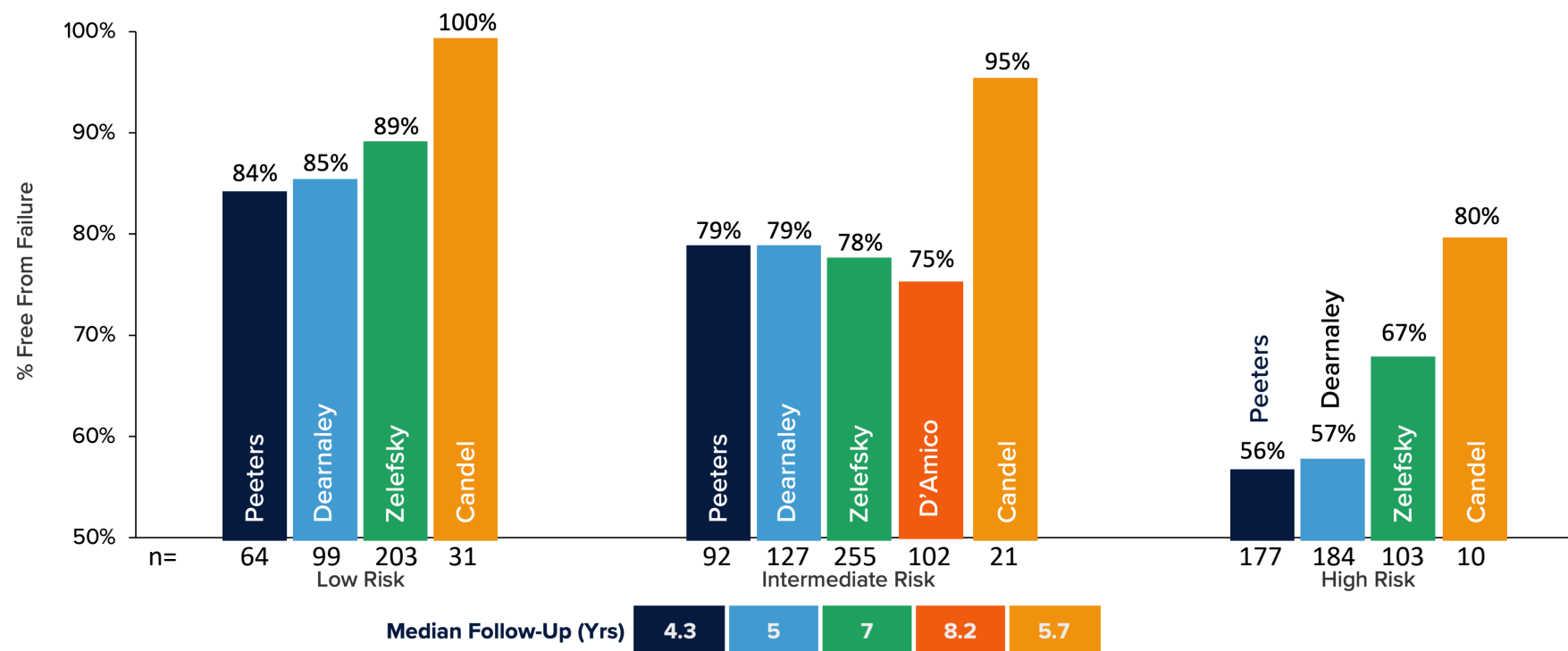


CAN-2409 treatment for localized prostate cancer



*Potentially first to market in large patient population
with high unmet need*

Completed phase 2 trial shows consistently improved freedom from failure rates in newly diagnosed, localized prostate cancer



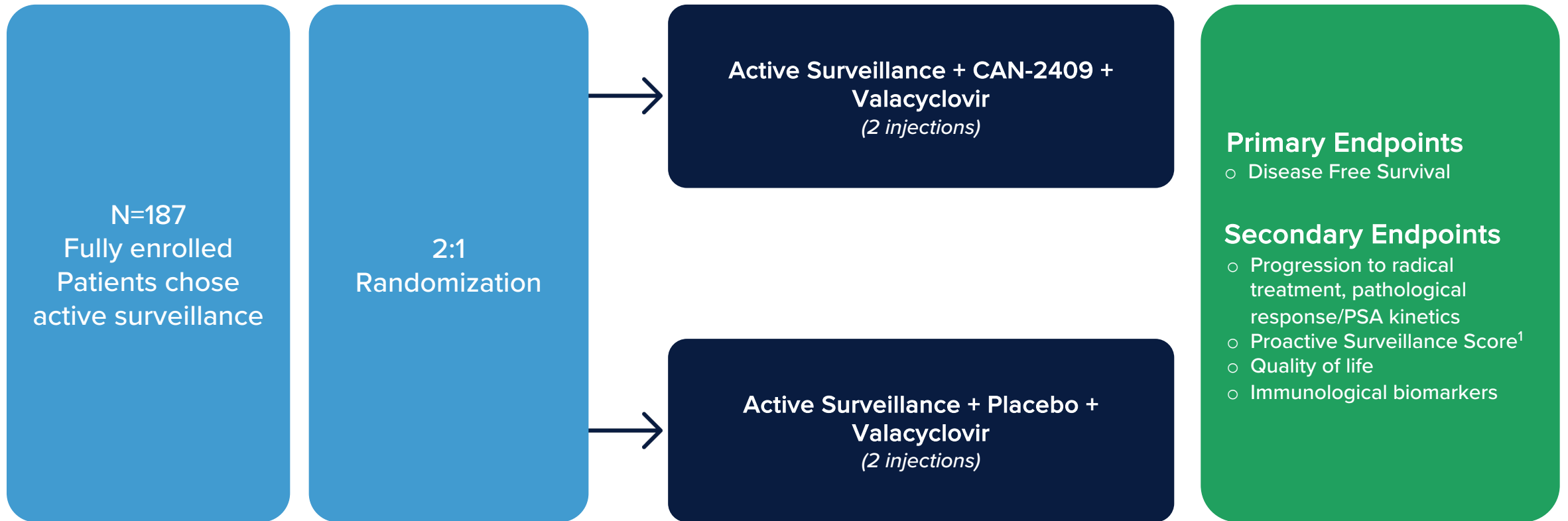
- Pathological complete response (pCR) observed in 93% of the biopsies available at 2yrs (37%-73% in control populations)
- Low risk patients achieved PSA < 2ng/ml in 77% of CAN-2409 treated patients versus 58% in control populations
- Significant increase in activated CD8+ T cells compared to baseline (p=0.0003)

Clinical evidence supports ongoing phase 3 clinical trial of CAN-2409 in combination with SoC as first line treatment

Failure was measured from the start date of treatment until the date of treatment failure defined as clinical failure or biochemical failure, whichever first, according to the Phoenix ASTRO consensus (Nadir +2)

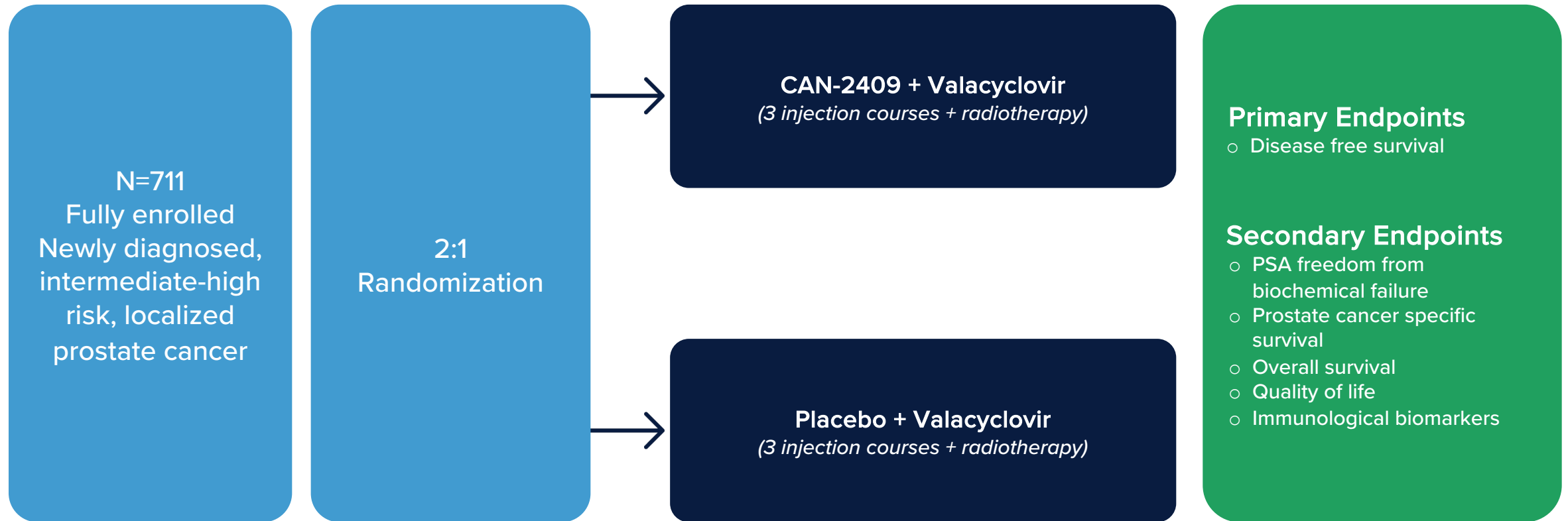
Fully accrued phase 2 clinical trial of CAN-2409 in patients with prostate cancer (active surveillance)

PI: Dr S Eggner (UChicago)



Fully accrued phase 3 clinical trial of CAN-2409 in patients with prostate cancer (newly diagnosed, intermediate/high risk)

PIs: Dr T DeWeese (JHU) and Dr P Scardino (MSKCC)



Conducted under agreement with FDA under Special Protocol Assessment



CAN-2409 treatment for High-grade glioma

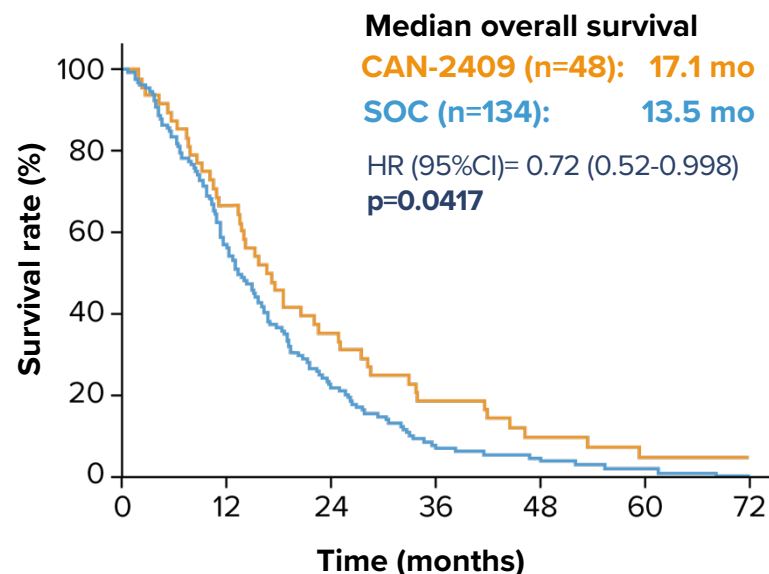


Driving significant survival benefit through a precision approach

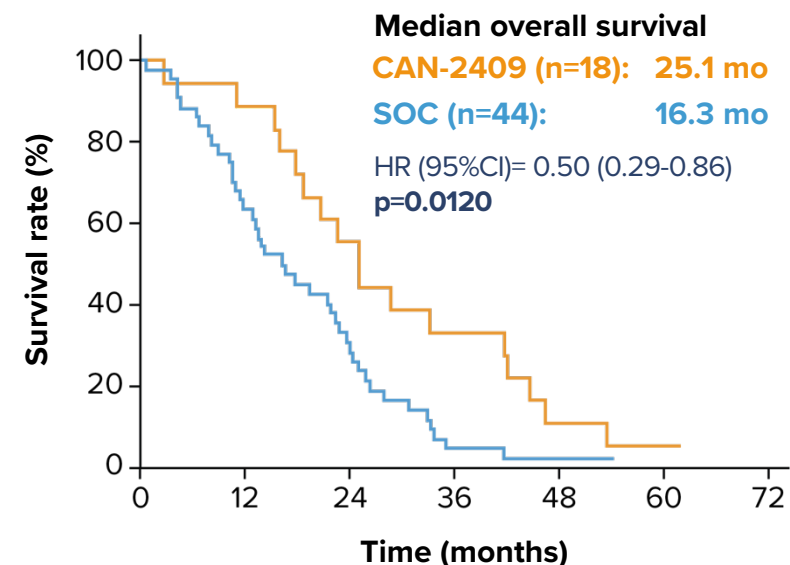
Significant survival benefit after CAN-2409 treatment

Compared to contemporary controls fulfilling the same inclusion and exclusion criteria

All patients:
All high-grade glioma,
All resection extent



Prespecified subgroup:
glioblastoma with gross total resection



54% Relative improvement
(8.8 mo median survival benefit)

Clinical evidence supports adaptive phase 3 clinical trial of CAN-2409 in high-grade glioma patients undergoing Gross Total Resection and standard of care chemoradiation (reviewed with FDA)

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



Paul-Peter Tak, M.D., Ph.D., FMedSci
President & Chief Executive Officer



Nathan Caffo
Chief Business Officer



Christopher Matheny, Pharm.D., Ph.D.
Vice President, Development Leader



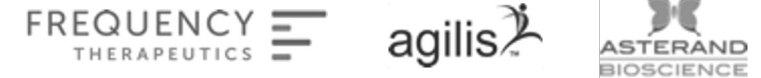
Seshu Tyagarajan, Ph.D., RAC
Chief Technical and Development Officer



Francesca Barone, M.D., Ph.D.
Chief Scientific Officer



John Canepa
Chief Financial Officer



Susan Stewart, J.D.
Chief Regulatory Officer



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Philip Kantoff, M.D.

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



Henry Brem, M.D.

*Director, Department of Neurosurgery
Professor of Neurosurgery
Johns Hopkins University*



Padmanee Sharma, M.D., Ph.D.

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

Candel overview: Oncolytic viral immunotherapies

- Multiple assets with near- and mid-term inflection points
 - CAN-2409
 - Phase 2 NSCLC; updated clinical data (Q4 2022)
 - Phase 3 HGG; commencing (mid-2022)
 - Phase 1 HGG; combination with Opdivo clinical activity data (Q4 2022)
 - Phase 2 localized, low-to-intermediate-risk prostate cancer (active surveillance) (Q4 2023)
 - Phase 3 localized, intermediate-to-high-risk prostate cancer (Q4 2024)
 - CAN-3110
 - Phase 1 recurrent HGG; updated clinical and biomarker data (Q4 2022)
 - enLIGHTEN™ Discovery Platform based on HSV technology
- Multibillion dollar market opportunities
- Management team with proven success in immunology, oncology, and development
- Recent IPO provided net proceeds of \$71.3M plus \$20.0M of long-term debt in Feb 2022
- Cash of \$94.3M as of March 31, 2022 - funds currently planned operations into Q4 2023