

August 6, 2026

**TUDRIQEV™
(vusolimogene
oderparepvec-wtpg)
FDA Accelerated
Approval
Investor Call**

Safe Harbor

Any statements contained herein that are not statements of historical facts may be deemed to be forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, including statements regarding clinical trials, clinical studies and other clinical work (including the funding therefor, anticipated patient enrollment, safety data, study data, trial outcomes, timing or associated costs, sufficiency of any resulting data), regulatory applications and related submission contents and timelines, the timelines or outcomes related to litigation, including any rehearings or appeals of decisions in any such proceedings, and our ability to execute on our strategic or financial initiatives, our estimates regarding future expenses, capital requirements and needs for additional financing, and potential commercial viability, and potential reimbursement and utilization of TUDRIQEV involve significant risks and uncertainties and actual results could differ materially from those expressed or implied herein. Our ability to maintain TUDRIQEV's accelerated approval and to continue commercialization of TUDRIQEV may be contingent on verification of clinical benefit in a confirmatory trial(s). Other forward looking statements identified by words such as "could," "expects," "intends," "may," "plans," "potential," "should," "will," "would," or similar expressions and the negatives of those terms. Forward-looking statements are not promises or guarantees of future performance and are subject to a variety of risks and uncertainties, many of which are beyond our control, and which could cause actual results to differ materially from those contemplated in such forward-looking statements. These factors include risks related to our limited experience in commercializing products for sale, our ability to successfully verify the clinical benefit of TUDRIQEV in our ongoing confirmatory Phase 3 trial, IGNYTE-3, our ability to meet our product manufacturing goal, the timing and scope of future regulatory approvals, the availability of combination therapies needed to conduct our clinical trials, changes in laws and regulations to which we are subject, competitive pressures, our ability to identify additional product candidates, the impact of political and global macro factors and military conflicts, and other risks as may be detailed from time to time in our Annual Reports on Form 10-K and Quarterly Reports on Form 10-Q and other reports we file with the Securities and Exchange Commission. Our actual results could differ materially from the results described in or implied by such forward-looking statements. Forward-looking statements speak only as of the date hereof, and, except as required by law, we undertake no obligation to update or revise these forward-looking statements.



Agenda

Introduction

- Sushil Patel, PhD, CEO

TUDRIQEV™ U.S. Prescribing Information

- Kostas Xynos, MD, PhD, MBA, Chief Medical Officer

U.S. Launch Plans

- Sushil Patel, PhD, CEO

Value and Milestones

- Emily Hill, CFO

Q&A Session





FDA Approval Validates RPx Platform



**TUDRIQEV is
Replimune's
First Approved
Product
Validating the
RPx Platform**

**First Oncolytic
Viral
Combination
Therapy to Drive
Immune
Activation**

**TUDRIQEV
Delivers Hope
for Advanced
Melanoma
Patients**

TUDRIQEV (formerly known as RP1) is Now FDA Approved



Approved in combination with nivolumab for the treatment of adults with unresectable advanced cutaneous melanoma who experience disease progression with a PD-1 blocking antibody-based regimen



“Too-drih-kev”

This indication is approved under accelerated approval based on objective response rate and duration of response. Continued approval for this indication may be contingent upon verification of clinical benefit in a confirmatory trial.

TUDRIQEV Label Reflects Broad Patient Population



Demonstrated effect in non-injected lesions in combination with nivolumab

Ability to treat superficial, deep and visceral lesions, including lung, liver and other organs



Patients can be retreated based on physician discretion

No requirement for prior BRAF treatment

Overview of TUDRIQEV (vusolimogene oderparepvec-wtpg) U.S. Prescribing Information

Kostas Xynos, Chief Medical Officer



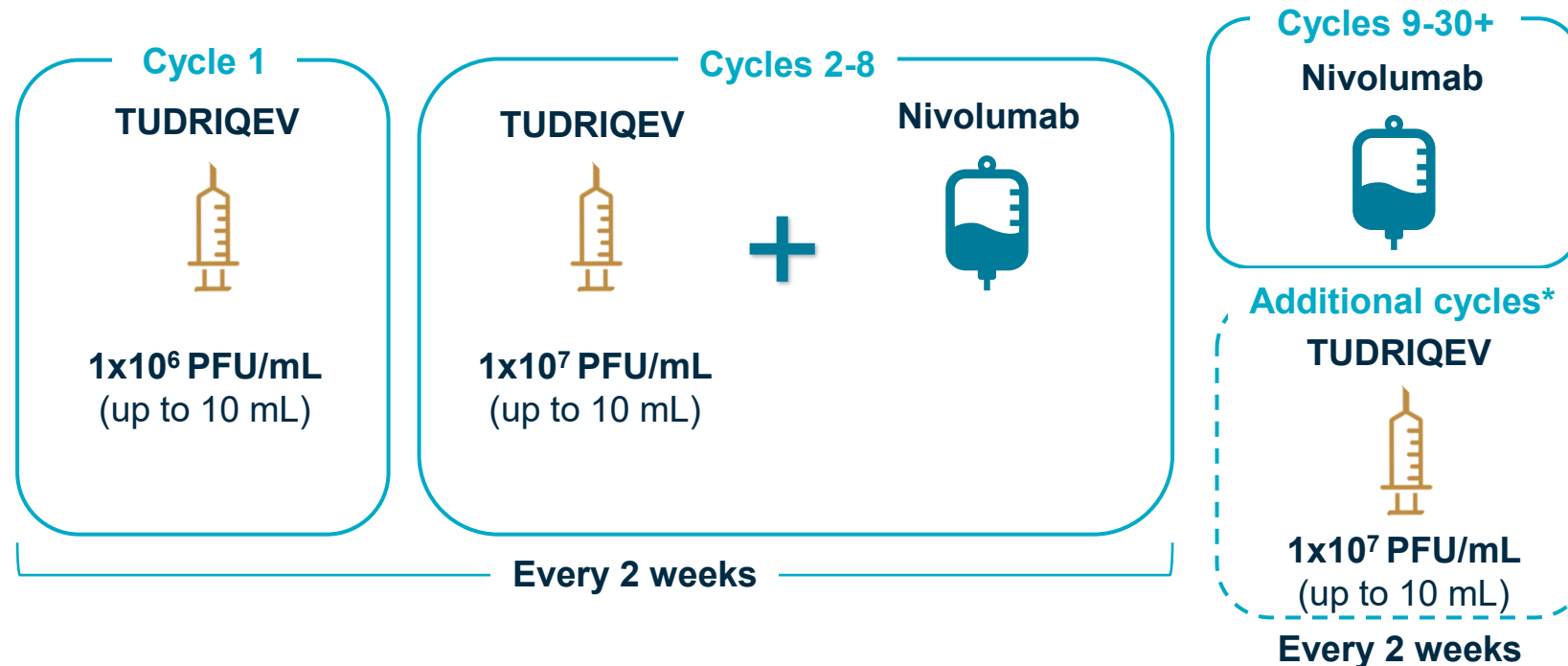
IGNYTE Study: Basis of Accelerated Approval of TUDRIQEV



Major efficacy outcome measures

- Safety & tolerability
- ORR
- DOR

Confirmed progression
while on prior anti-PD-1
therapy



***Retreatment:** At investigator discretion, patients may be retreated with TUDRIQEV at a concentration of 10^7 PFU/mL every 2 weeks. In IGNYTE, patients were retreated with TUDRIQEV + nivolumab or as a monotherapy if nivolumab was previously stopped due to toxicity related to nivolumab.

Patient Demographics Reflect Real World Hard-to-Treat Population



Demographics and Disease Characteristics	N=91*
Age, median, years (range)	62 (23, 91)
Stage IV disease	80%
Prior anti-PD1 adjuvant	13%
Tumor PD-L1 expression negative	54%
Lung lesions	45%
Liver lesions	24%
Brain lesions	7%

No overall difference in safety or effectiveness in patients over 65 years of age (41%), including patients over 75 years old (14%)

*140 patients were enrolled in IGNYTE, 91 patients with at least 1 non-injected lesion were included in the efficacy-evaluable population

TUDRIQEV Prescribing Information Efficacy Summary



Objective Response Rate by IRC	N=91*
ORR% (95% CI) ^a	24.2 (15.8, 34.3)

Duration of Response (DoR) ^b	N=91
Median DoR in months (95% CI) ^c	14.1 (10.7, NR)
DoR range, months	3.9 to 34.6+
Patients with DoR $\geq$ 6 months, n (%) ^d	86.1
Patients with DoR $\geq$ 12 months, n (%) ^d	54.6

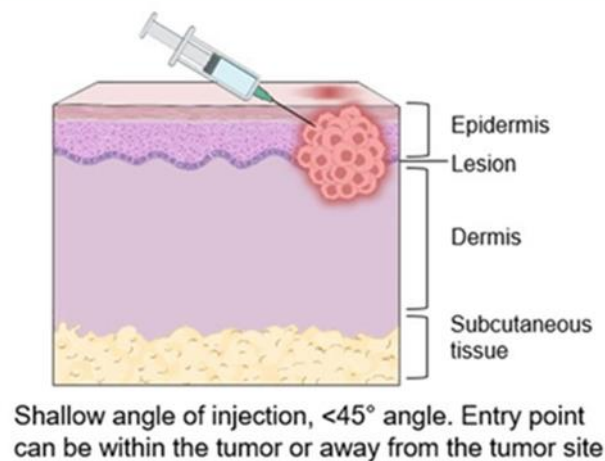
*140 patients were enrolled in IGNYTE, 91 patients with at least 1 non-injected lesion were included in the efficacy-evaluable population

Highlights from Label

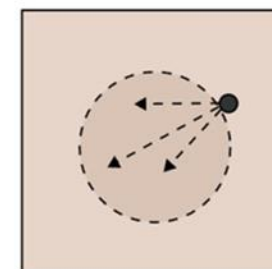
- **Simple dosing calculation for healthcare providers** – 1mL/cm per tumor up to a max of 10mL per dose
- **Tumor selection flexibility** – prioritize the most **rapidly growing and largest** new or existing lesions suitable for injection
- **Scheduling flexibility** – TUDRIQEV + nivolumab do not have to be scheduled on the same day
- Patients can receive **additional doses** at the physician's discretion
- **Ability to inject superficial AND visceral lesions**

TUDRIQEV Administration to Superficial Tumors

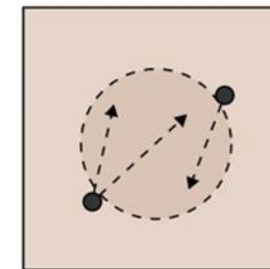
Injection Administration for Nonulcerated Superficial Tumors



Top-down view of skin

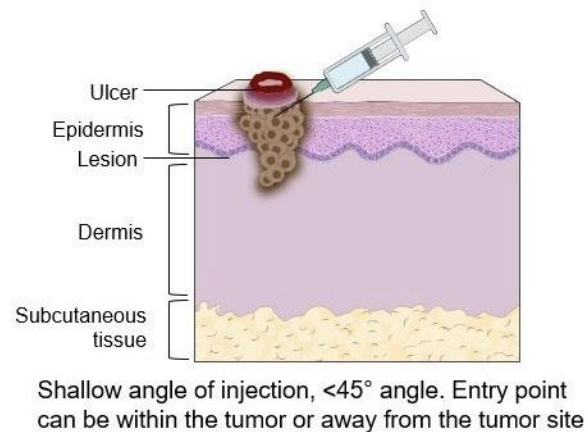


Fanning injection approach

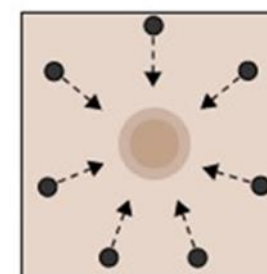


Multiple insertion sites

Injection Administration for Ulcerated Cutaneous Tumors



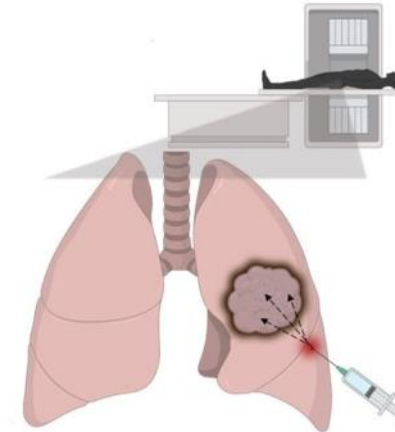
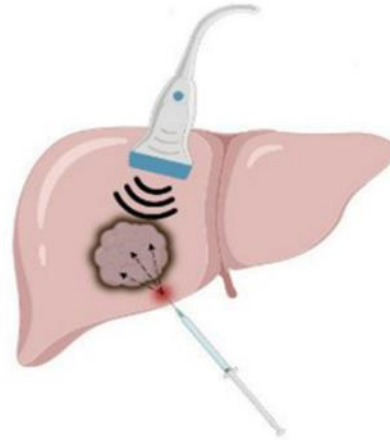
Top-down view of skin



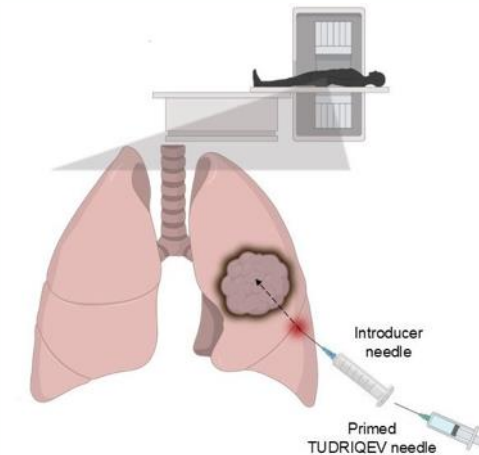
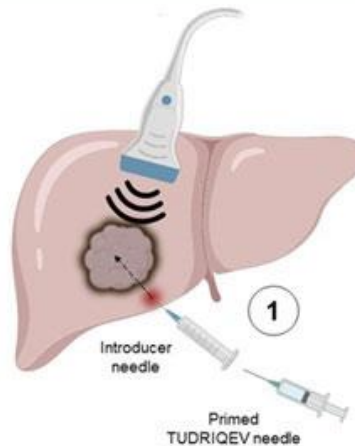
Inject radially, **around** the ulcer into the viable tumor. Number of insertions as appropriate for tumor coverage

TUDRIQEV Injection for Deep or Visceral Tumors including Lung, Kidney or other Organs

Radial Injection
Administration for
Deep or Visceral
Tumor



Coaxial Injection
Administration in
Visceral Tumor
with Image
Guidance



Key TUDRIQEV Safety Highlights



No Contraindications

Warnings & Precautions

- Accidental exposure to TUDRIQEV, herpetic infection or reactivation, injection procedure complications, immune-mediated events

Most common ($\geq 10\%$) adverse reactions

- Nausea, diarrhea, vomiting, constipation, decreased appetite, abdominal pain, fatigue, pyrexia, chills, injection site reaction, influenza like illness, edema, infections, musculoskeletal pain, arthralgia, headache, dizziness, cough, dyspnea, rash, pruritis, hemorrhage
- No grade 4 or 5 common adverse events observed

Drug interactions

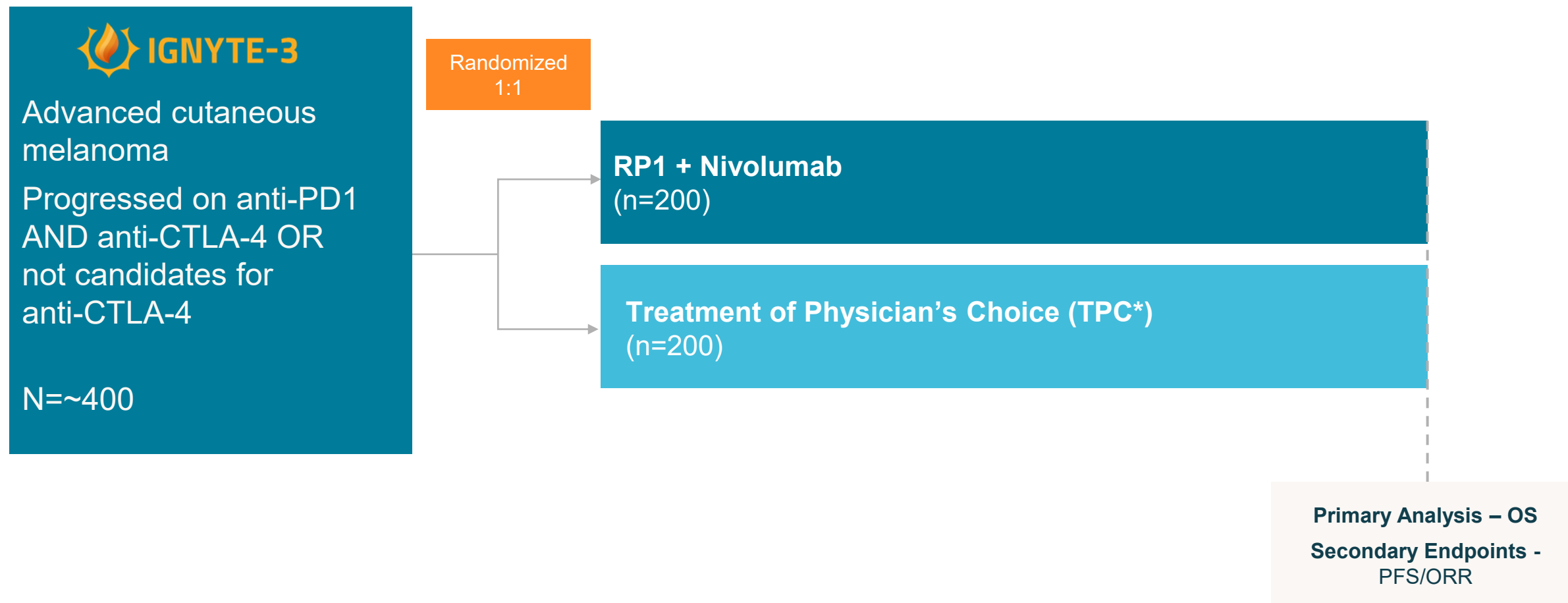
- Antiviral medications may reduce the efficacy of TUDRIQEV.

**No reported
transmission
TUDRIQEV to close
contacts**

**Recommended
Biosafety Level 1
(lowest level)**

**Standard cleaning
procedures**

Confirmatory IGNYTE-3 Study: Enrollment On Track

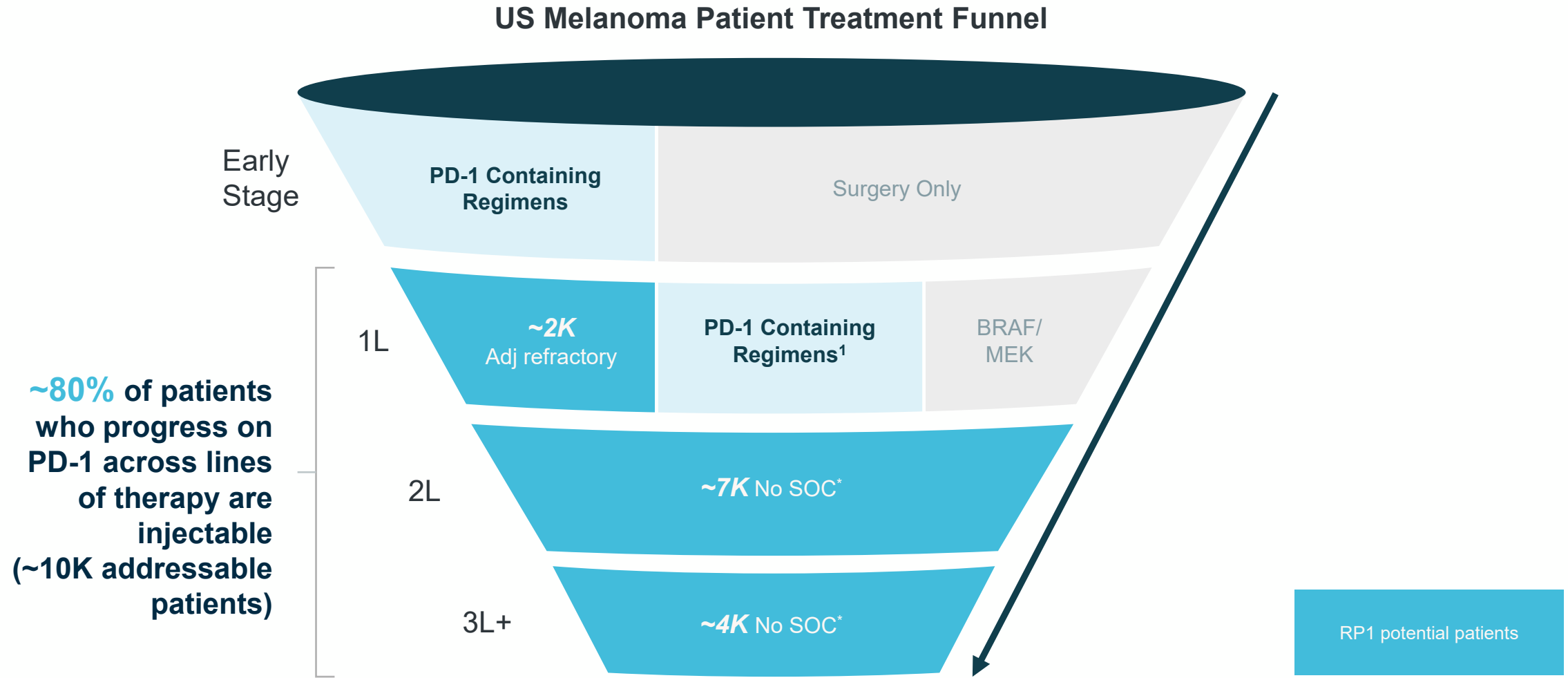


U.S. Launch Plans for TUDRIQEV

Sushil Patel, PhD, CEO



~10K Addressable Patients Across Lines of Therapy



¹De-novo metastatic or recurrent from surgery. *Therapy is dependent on prior exposure (e.g. PD-1 regimen, BRAF+MEK, TIL, or chemo)

Source: Epi data for year 2030 from CancerMPact® Patient Metrics, Oracle (available from www.cancermpact.com Accessed 15 Oct 2025), with adjustments to future 2L+ treatment rates based on primary TUDRIQEV™ Approval Call © 2026 Replimune Inc. Injectability based on primary market research and real-world data analysis.

Positioning TUDRIQEV to be the 1st Choice after PD-1 Progression



Instill confidence in **TUDRIQEV** to drive targeted and rapid adoption upon 1st PD-1 progression

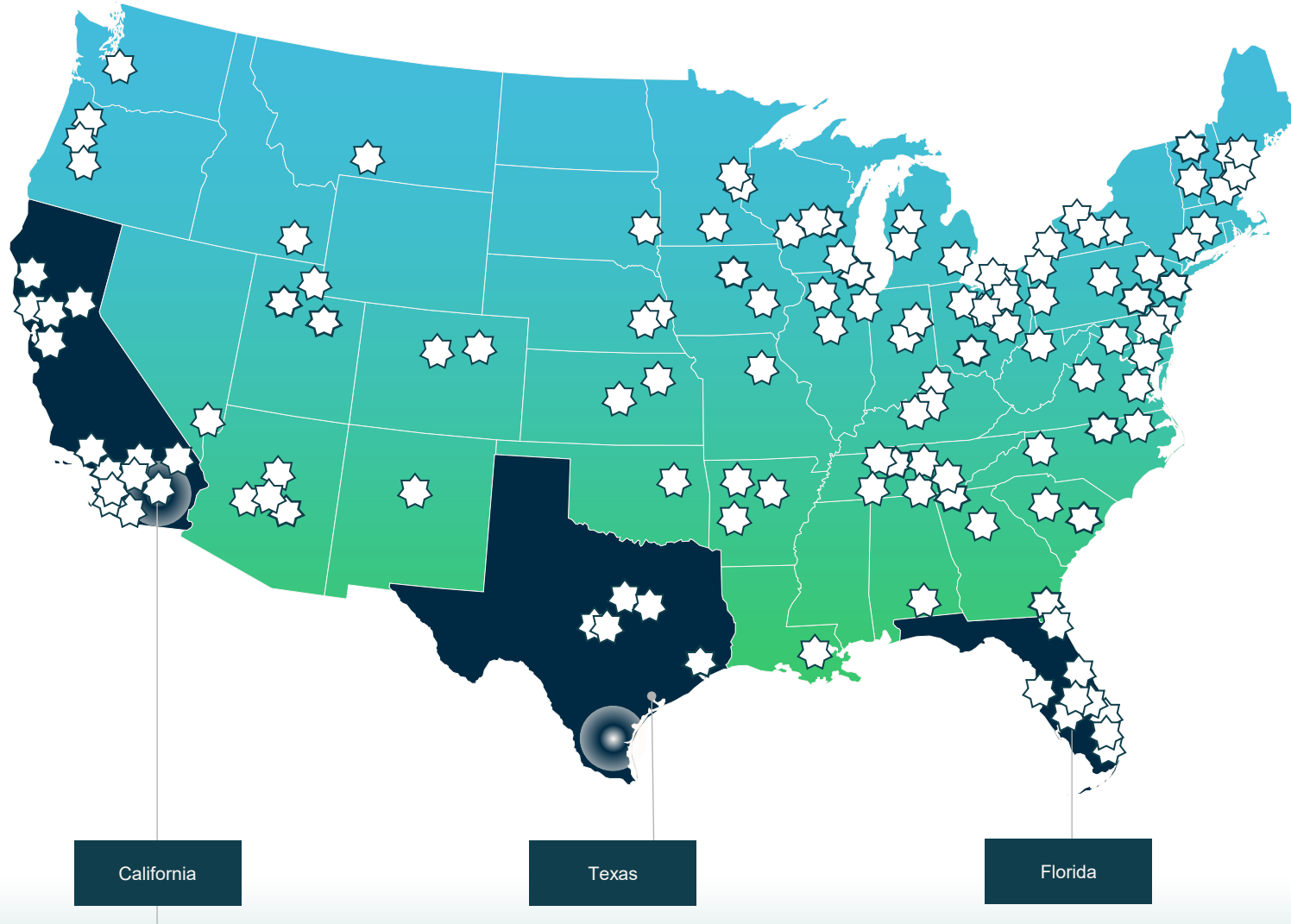


Ensure a positive **TUDRIQEV** experience while creating a seamless treatment journey



Deliver a meaningful **TUDRIQEV** value proposition supporting access for all customers

Account Profiling Enabled Identification of Physician Champions to Drive Rapid Adoption



Early Adopter Accounts (n=~200)

94%

Medical Oncology
champion identified

87%

IR champion
identified

Significant proactive requests for
engagement immediately
following approval

Targeted Launch for Long-term Success



Today's Reimbursement Model Supports the Patient Treatment Journey



Extensive payer engagement

reaching nearly 80% of covered lives anticipated to expedite formulary review and coverage decisions

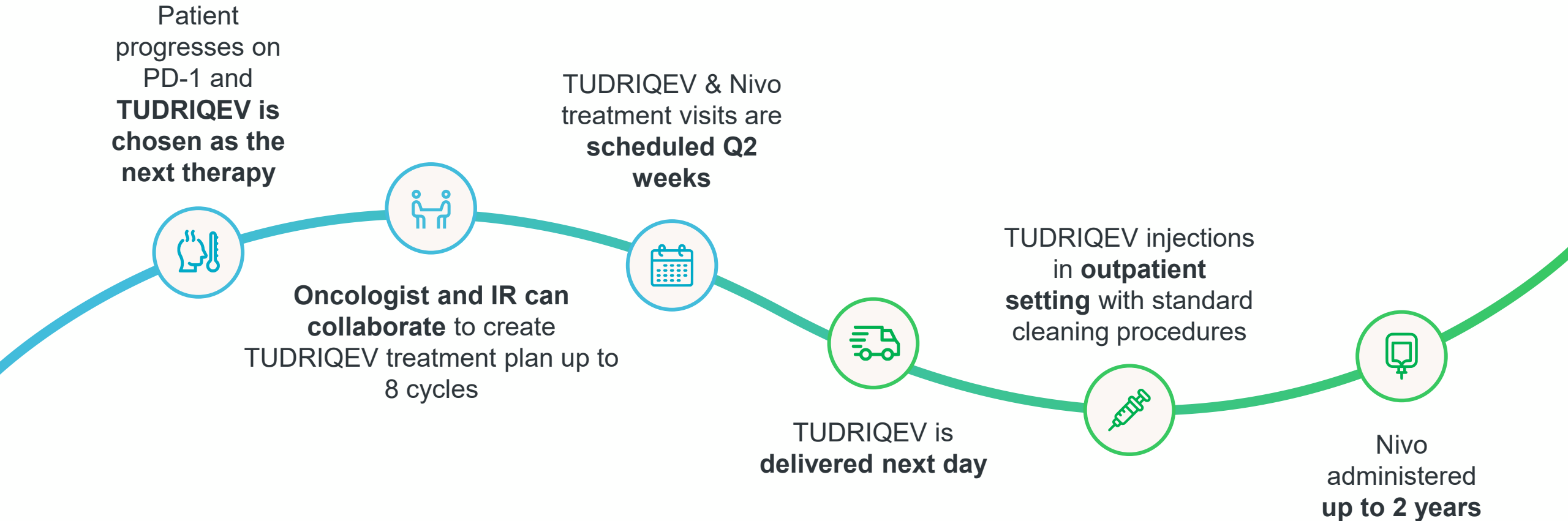


Existing procedural codes to support TUDRIQEV injections by IRs and med oncs



Reimbursement landscape supports adoption of TUDRIQEV in community and hospital settings

Patient Treatment Journey Aligned with Approved Product Label



Comprehensive Patient Support Program Planned







Dedicated support by your side

ReplimuneConnect Plus can help you start and stay on TUDRIQEV™ (vusolimogene oderparepvec-wtpp).

Program overview

Enrollment

Co-pay assistance

Support team

FAQs

ReplimuneConnect Plus focuses on services that can help you with:



Enrollment

Talk to your doctor or reach out to a Patient Access Specialist to help you get started



Insurance navigation

Determine insurance coverage and estimate out-of-pocket costs



Financial support

Find out if you are eligible for the Replimune Co-pay Support Program

Patient Brochure

Download the Patient Brochure to learn more about the support available to you through ReplimuneConnect Plus

Download

Start with enrollment

You'll work with your doctor to complete your ReplimuneConnect Plus Enrollment Form. Once the form is complete, your doctor will be in charge of submitting it. Enrolling in ReplimuneConnect Plus will allow you to find support through a Patient Access Specialist and see which programs you may be eligible for to help you afford your treatment.

 Replimune®
connectPlus
Focused on you, dedicated to care.

Patient and provider services in place to support a positive treatment experience



Home Co-pay Support Product Ordering Billing and Coding Program Resources



Dedicated support for your practice and your patient

ReplimuneConnect Plus will work with your practice to help support patients on TUDRIQEV™ (vusolimogene oderparepvec-wtpp).

Enroll your patient in ReplimuneConnect Plus today for access to:



A support team made up of specialists who can help your patient start and stay on TUDRIQEV



Help with enrollment



Insurance navigation



Identify barriers to access



Programs to help your patient afford treatment

Healthcare Provider Brochure

Download the Healthcare Provider Brochure to learn more about the support available to you through ReplimuneConnect Plus

Download

Start with enrollment

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24

Value and Milestones

Emily Hill, Chief Financial Officer



Pillars to Drive Long-Term Value

U.S. based 63,000 square foot state-of-the-art manufacturing facility to support global commercial supply

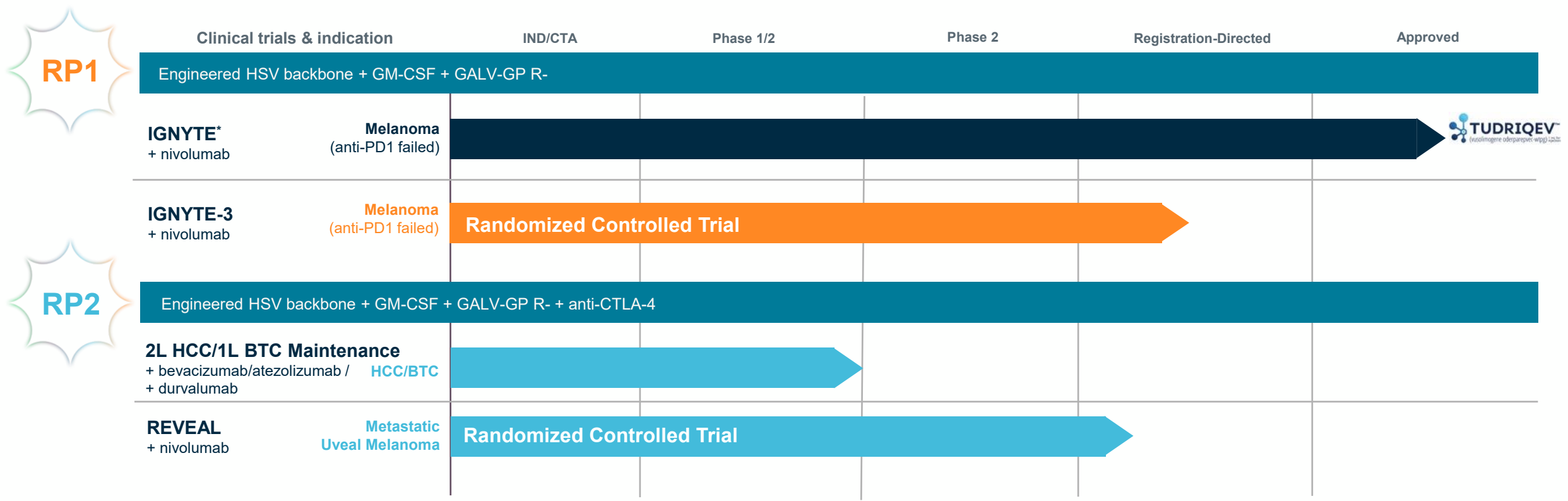


TUDRIQEV expected to ship in approximately 60 days

Delivering value and achieving broad coverage

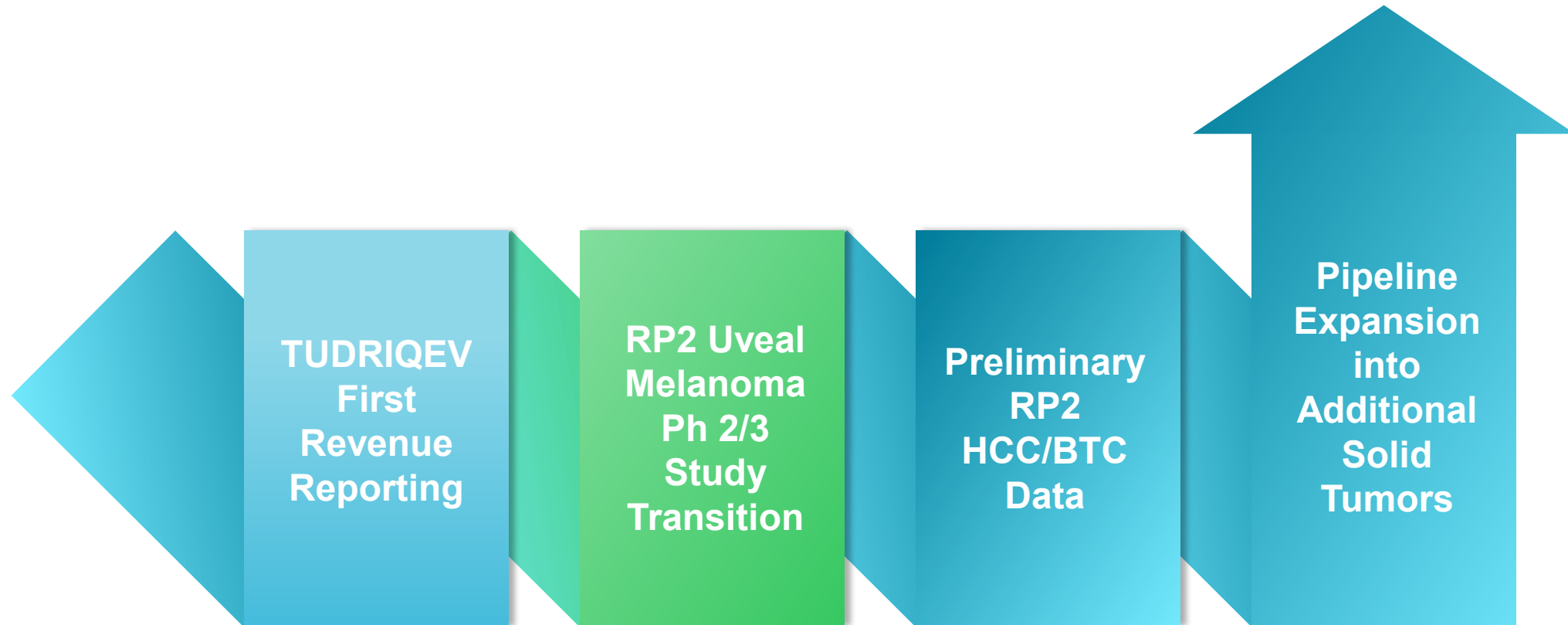
Cost of treatment in line with comparable treatments in advanced melanoma

The Future of the RPx Platform



RPx expansion into additional solid tumors planned

Anticipated Milestones in the Next 6 Months



Q&A



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Thank You

