Intensity THERAPEUTICS

Issuer free writing Prospectus
Filed Pursuant to Rule 433
Registration No. 333-286683
April 22, 2025

Disclosure

Free Writing Prospectus

This presentation highlights basic information about Intensity Therapeutics, Inc. (the "Company") and the proposed offering. Because it is a summary that has been prepared solely for informational purposes, it does not contain all of the information that you should consider before investing in our company. Except as otherwise indicated, this presentation speaks only as of the date hereof.

This presentation does not constitute an offer to sell, nor a solicitation of an offer to buy, these securities in any state or jurisdiction in which such offer solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such state or jurisdiction by any person in any jurisdiction in which it is unlawful for such person to make such an offering or solicitation. Neither the Securities and Exchange Commission ("SEC") nor any other regulatory body has approved or disapproved of the securities or passed upon the accuracy or adequacy of this presentation. Any representation to the contrary is a criminal offense.

This presentation includes industry and market data that we obtained from industry publications and journals, third party studies and surveys, internal company studies and surveys and other publicly available information. Industry publications and surveys generally state that the information contained therein has been obtained from sources believed to be reliable. Although we believe the industry and market data to be reliable as of the date of this presentation, this information could prove to be inaccurate. Although we believe the industry and market data to be reliable as of the date of this presentation, this information could prove to be inaccurate. Industry and market data could be wrong because of the method by which sources obtained their data and because information cannot always be verified with complete certainty due to the limits on the availability and reliability of raw data, the voluntary nature of the data gathering process and other limitations and uncertainties. In addition, we do not know all of the assumptions that were used in preparing the forecasts from the sources relied upon or cited herein.

A registration statement on Form S-1 (file number 333-[ ]), including a preliminary prospectus, relating to the offering of securities has been filed by the Company with the SEC. The registration statement has not yet become effective. Before you invest, you should read the preliminary prospectus in the registration statement and, when available, the final prospectus relating to the offering. An electronic copy of the preliminary prospectus relating to the offering is available, and a copy of the final prospectus relating to the offer will be available, on the website of the SEC at www.sec.gov. Copies of the preliminary prospectus and the final prospectus relating to the offering, when available, may be obtained by contacting A.G.P./Alliance Global Partners at prospectus@allianceg.com and Brookline Capital Markets, a division of Arcadia Securities, LLC at michael.fontaine@brooklinecapmkts.com

Forward-Looking Statements

This presentation contains forward-looking statements within the meaning of The Private Securities Litigation Reform Act of 1995 that involve substantial risks and uncertainties, including statements regarding the development and regulatory status of our product candidates, such as statements with respect to our lead product candidate INT230-6, and the timing of clinical trials and data from those trials for our product candidates, and our discovery programs that may lead to our development of additional product candidates, the potential utility of our technology and therapeutic potential of our product candidates, the potential commercialization of any of our product candidates, and the sufficiency of our cash resources. All statements, other than statements of historical facts, contained in this presentation, including statements regarding our strategy, future operations, future financial position, future revenues, projected costs, prospects, plans and objectives of management, are forward-looking statements. The words "anticipate," "believe," "estimate," "expect," "intend," "may," "might," "plan," "predict," "project," "target," "potential," "will," "would," "could," "should," "continue," and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words.

We may not actually achieve the plans, intentions or expectations disclosed in our forward-looking statements, and you should not place undue reliance on our forward-looking statements. Actual results or events could differ materially from the plans, intentions and expectations disclosed in the forward-looking statements we make as a result of various risks and uncertainties, including but not limited to: the initiation, timing, progress and results of future preclinical studies and clinical trials, and our research and development programs; our need to raise additional funding before we can expect to generate any revenues from product sales; our plans to develop and commercialize our product candidates, and other factors included in the "Risk Factors" section of the Company's filings with the SEC in the future. Any of these outcomes could cause our actual results to differ from those contained in the forward-looking statements of the Company's filings with the SEC.

The forward-looking statements contained in this presentation reflect our current views as of the date of this presentation with respect to future events, and we assume no obligation to update any forward-looking statements except as required by applicable law. The Intensity Therapeutics, Inc. name and logo are our trademarks. We also own the service mark and the registered U.S. trademark for DfuseRx. The trademarks, trade names and service marks appearing in this presentation are the property of the Company. We have omitted the ® and ™ designations, as applicable, for the trademarks named in this presentation.

Company Highlights

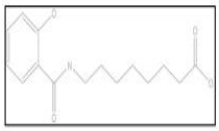
- Novel solid tumor cancer treatment approach using a new delivery technology that causes cancer cell death, leading to an immune response
- Over 200 patients enrolled in 2 completed clinical trials (1 metastatic & 1 presurgical)
- Ongoing studies: Phase 3 in metastatic sarcoma; Phase 2 in presurgical breast cancer
- Veteran leadership with public company and phase 3 clinical development experience
- Robust IP portfolio – 18 issued patents (3 in the US) and patent protection in 41 countries
- Multiple industry, government and university hospital partnerships
- Cost-efficient business model structured to create significant value

INT230-6

A water-based drug designed for intratumoral use in fatty tumors

Three Key INT230-6 Components

All are powders



1. SHAO (10 mg/mL)

- A novel diffusion enhancer molecule that is soluble in both fat & water

2. CISPLATIN[1] (0.5 mg/mL) – Commercial IV drug

- Direct killing: Cause apoptotic cell death
- Immune effects: Attracts and binds T-Cells

3. VINBLASTINE[2] (0.1 mg/mL) – Commercial IV drug

- Direct killing: Stop cell replication
- Immune effects: Matures dendritic cell

Manufacturing Process

Mixes components in a vessel:

- SHAO, Cisplatin, Vinblastine
- +Water
- +Excipients

Result:

- Cisplatin and Vinblastine form a molecular complex (non-covalent) with SHAO
- This clear solution is soluble in fat and water

Sterile Filling

INT230-6

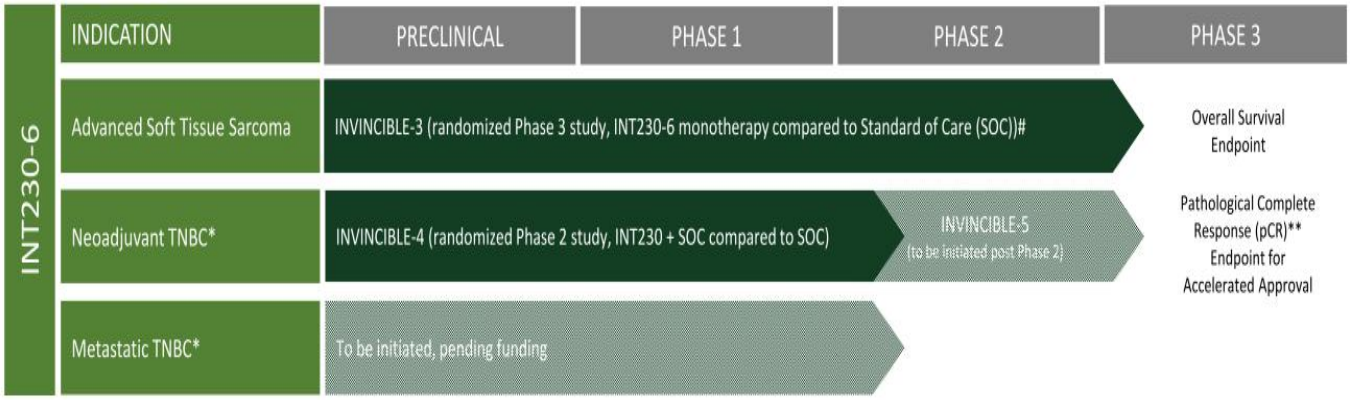
When mixed, SHAO makes the cytotoxic agents soluble in fat and water at the same time

[1] *Clin Cancer Res; 20(11) June 1, 2014*

[2] *Cancer Res; 2009 Sept 1: 69(17): 6987-6994*

Late-Stage Pipeline Programs

For Metastatic and Presurgical Settings



New patient enrollment in INVINCIBLE-3 paused March 18, 2025 pending additional funding

* TNBC: triple negative breast cancer

**Pathological Complete Response (pCR): refers to the absence of any evidence of cancer in the breast tissue and regional lymph nodes after neoadjuvant therapy (chemotherapy given before surgery)

Orphan Drug (Sarcoma INT230-6 components)

- Tax credits for qualified clinical trials
- Exemption from user fees
- Potentially seven years of marketing exclusivity (post-approval)

Fast Track Designation (Metastatic Breast Cancer)

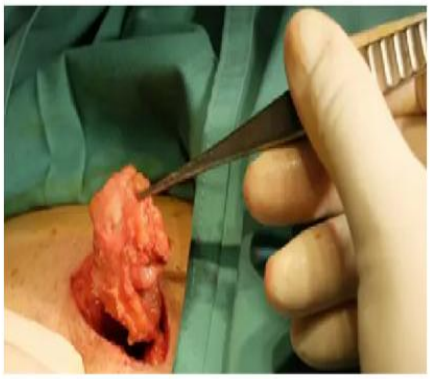
- More frequent meetings with FDA
- Priority and rolling reviews
- Eligibility for accelerated approval

Solid Tumors – Why are they so deadly?

Typically Lack Blood Vessels, are Hard, Dense, with High Fat Content
Drug Delivery into the Tumor Cells is Challenging

Intensity THERAPEUTICS

Presurgical Breast Cancer



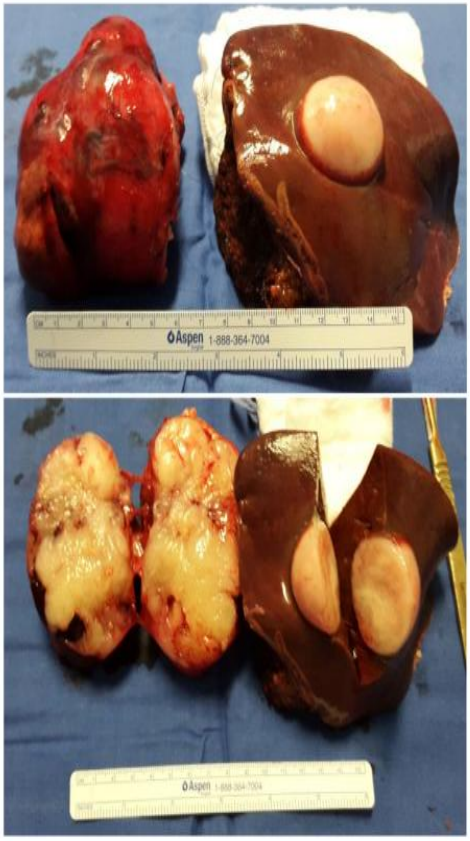
Breast Cancer – Lumpectomy

Lumpectomy is the surgical resection of a breast tumor and some surrounding tissue.

Tumor sizes typically up to 5 cm.

Lumpectomy photo from:
ihttps://icloudhospital.com/specialties/lumpectomy-partial-breast-resection

Metastatic Sarcoma



Leiomyosarcoma

Upper panel: Gross appearance of mesenteric leiomyosarcoma on left and liver metastasis on right.

Lower panel: Each lesion bi-valved.

Tumor sizes typically up to 30 cm

Sarcoma tumor images from:
Schoucair, Ramy et. al. (2018). International Journal of Surgery Case Reports. 49. 10.1016

Triple-Negative Breast Cancer (TNBC) Is a Virulent Subtype Associated With Early Onset and Increased Risk of Early Recurrence

Intensity THERAPEUTICS

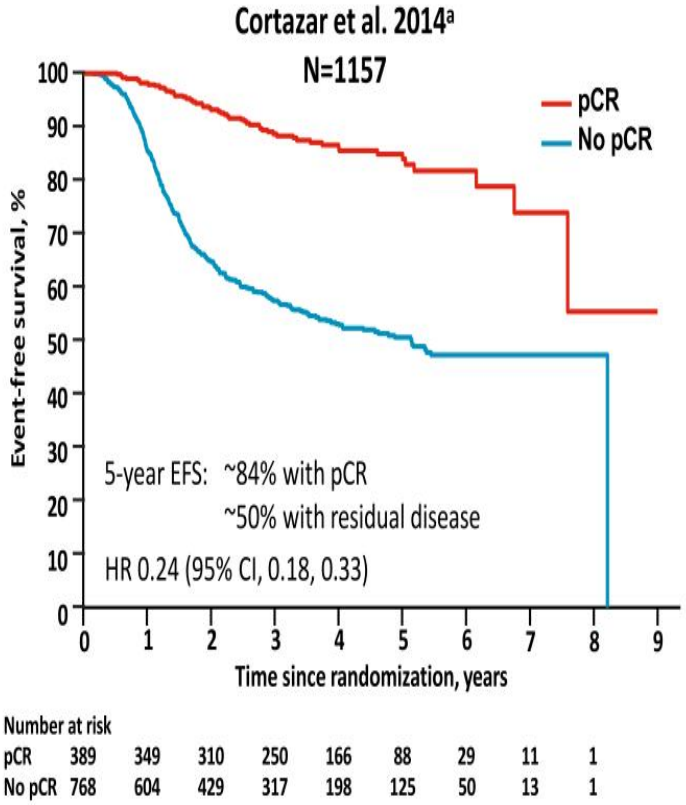
- TNBC accounts for 15% to 20% of breast cancers[a,b]

Region	New cases	Deaths
Worldwide[c]	~420,000	~150,000
United States[d]	~56,000	~10,000

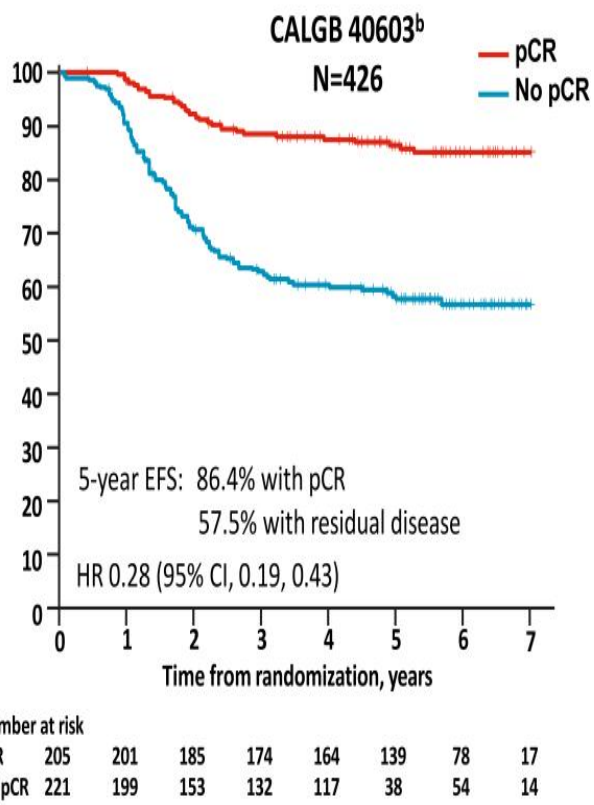
- At diagnosis:
  - Majority of tumors (~70%) are histologically grade 3 and highly proliferative[e]
  - Majority diagnosed at stage II (43%) or stage III (19%)
- Recurs 1 to 3 years following diagnosis in lungs, liver, and brain

[a] Arnedos M, et al. *Ther Adv Med Oncol*. 2012;4(4):195-210; [b] Bauer KR, et al. *Cancer*. 2007;109(9):1721-8; [c] Bray F, et al. *CA Cancer J Clin*. 2018;68:394-424; [d] Siegel RL, et al. *CA Cancer J Clin*. 2020;70:7-30; [e] Urru SAM, et al. *BMC Cancer*. 2018;18(1):56.

Poor Survival Prognosis in High-Risk, Early-Stage TNBC Having Residual Disease (no pCR) After Neoadjuvant Chemotherapy



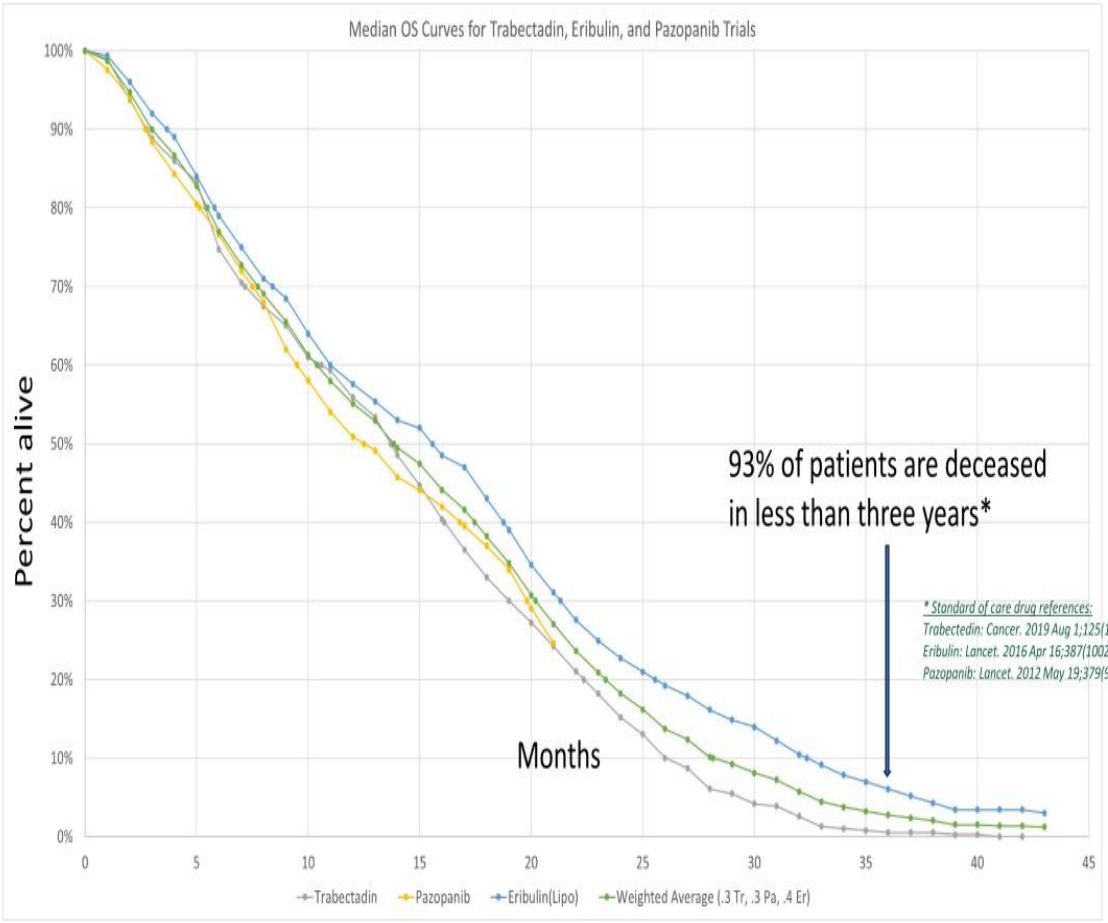
Number at risk									
pCR	389	349	310	250	166	88	29	11	1
No pCR	768	604	429	317	198	125	50	13	1



Number at risk								
pCR	205	201	185	174	164	139	78	17
No pCR	221	199	153	132	117	38	54	14

[a] Cortazar P, et al. *Lancet*. 2014;384:164-172; [b] Sikov WM, et al. Presented at ASCO 2019 Abstract 591.

Overall Survival (OS) of Sarcoma Patients is Poor After First Therapy fails Second and Third line Treatments – Trabectedin, Pazopanib and Eribulin



INT230-6 Delivery Technology

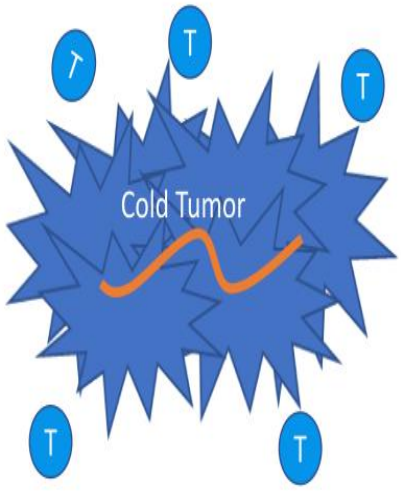
Potentially Creates Advantages and Solves Problems Versus Conventional Treatments

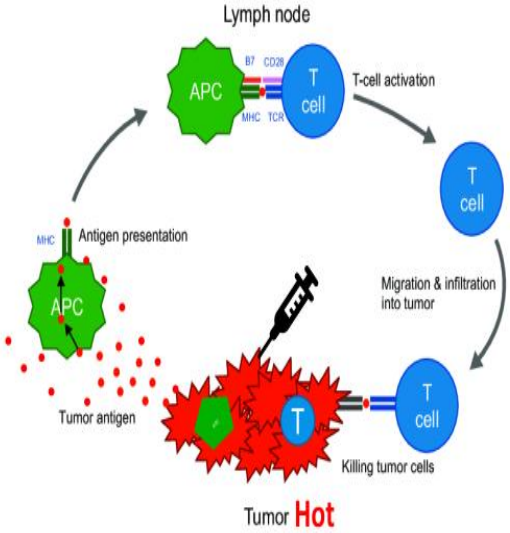
Issues with current systemic therapies

- Lack of blood vessels
- Drugs are unable to reach most of the tumor
- Tumors can exclude T-cells
- Tumors prevent immune recognition

Intensity's solution

- Tumor saturated with cytotoxics dies
- Large quantities of antigen are released to immune cells
- Tumor now favorable to T-cell influx





Debulking tumors leading to immune engagement

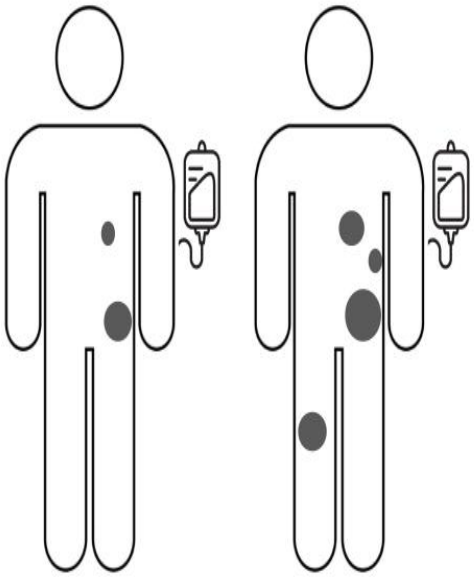
Image from January 2018 Tuberculosis and Respiratory Diseases 81(1):29.

INT230-6 Dosing Paradigm is Personalized

Current Dosing Methods are One-Size-Fits All

Current Systemic Treatment Approach

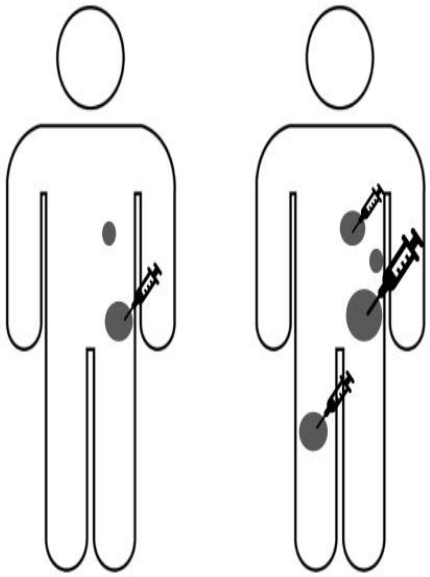
Dosing is set by patient's height and weight, or fixed dosing, though body size has no correlation with survival



Those patients with more disease have worse outcomes

Our Treatment Approach

INT230-6 dosing is set by amount of patient's tumor burden, dose for each tumor is set by its size



Patients with different tumor burdens receive a personalized dose to kill their tumors and induce a patient-specific immune response

It is unnecessary to inject all tumors, especially tumors <1 cm[15]

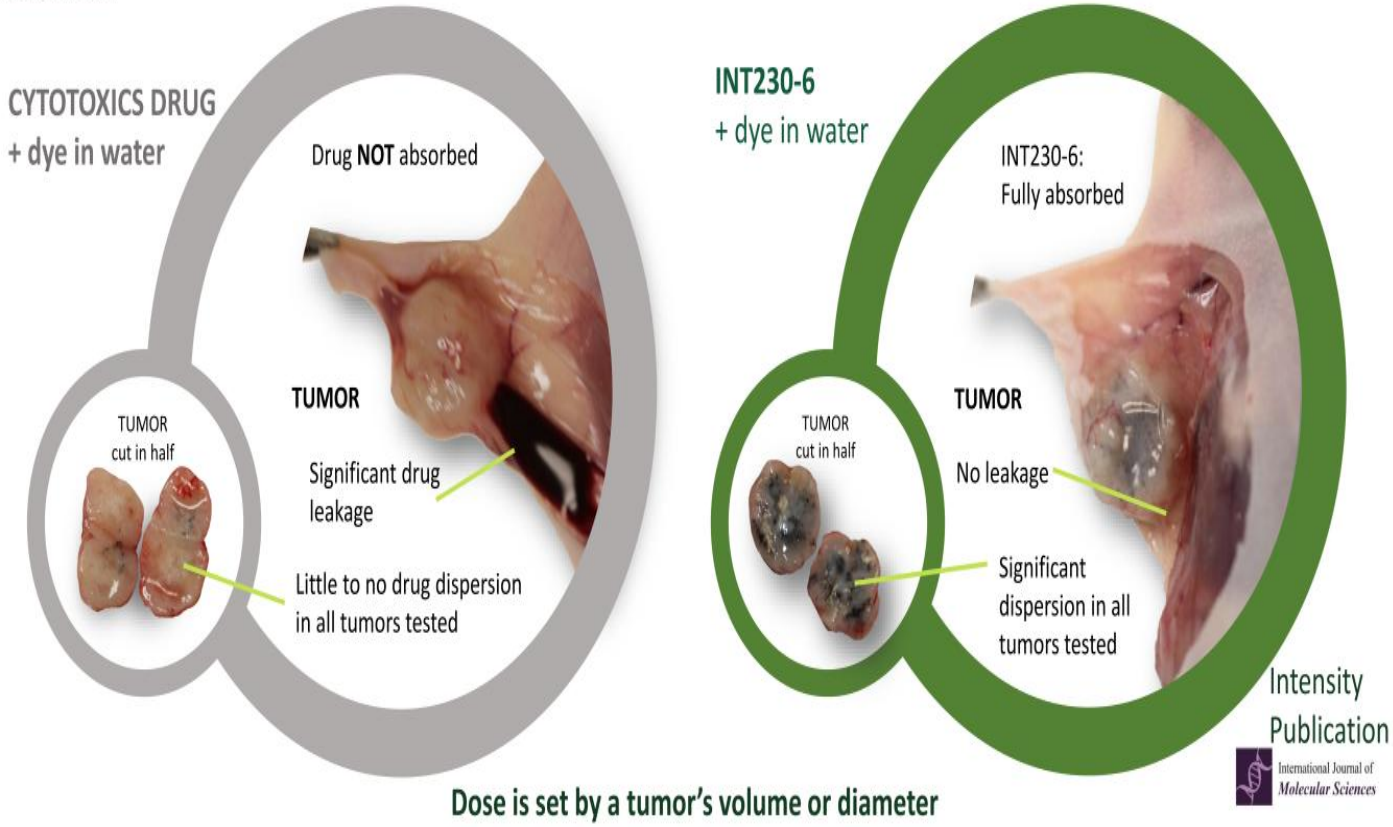
INT230-6: A Unique Anti-Cancer Therapy

A Water Solution That Kills Fatty or Stromal Tumors and Does Not Harm Healthy Tissue

Intensity THERAPEUTICS

Human pancreatic cancer in mouse model

*Tumors contain high percentages of fat and are under high pressure



Intensity Publication

International Journal of Molecular Sciences

Dose is set by a tumor's volume or diameter

INT230-6 for
Presurgical Breast Cancer

Phase 2 Presurgical Breast Cancer Study *(INVINCIBLE-2) 91 Women*

Degree of Necrosis in Proliferating Tumors is Dependent on Dose Per Injection *(whole tumor resections)*

Intensity THERAPEUTICS

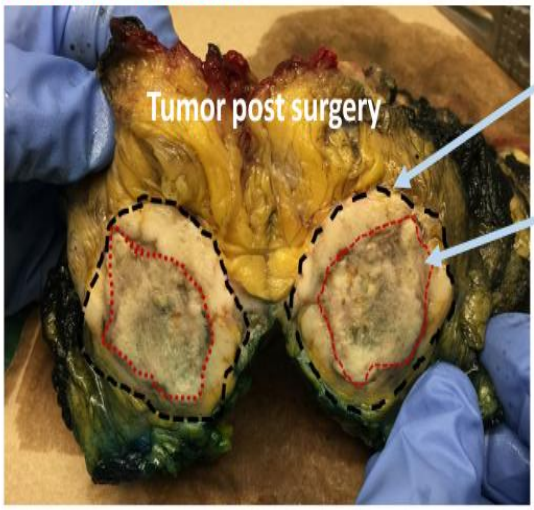
Patient #14:

3.9 cm invasive ductal cancer: 2 injections

May 6 — Injection #1: Dose 7.4 cc

May 13 — Injection #2: Dose 14.8 cc

May 20 — Surgery



Final Pathology (significant necrosis ~85%)

Tumor Extent

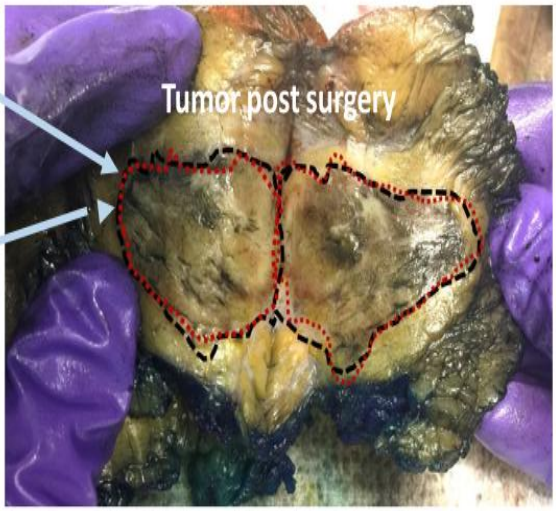
Extent of Necrosis within Tumor

Patient #20:

4.4 cm invasive lobular cancer: 1 injection

May 27 — Dose 21.3 cc

June 16 — Surgery

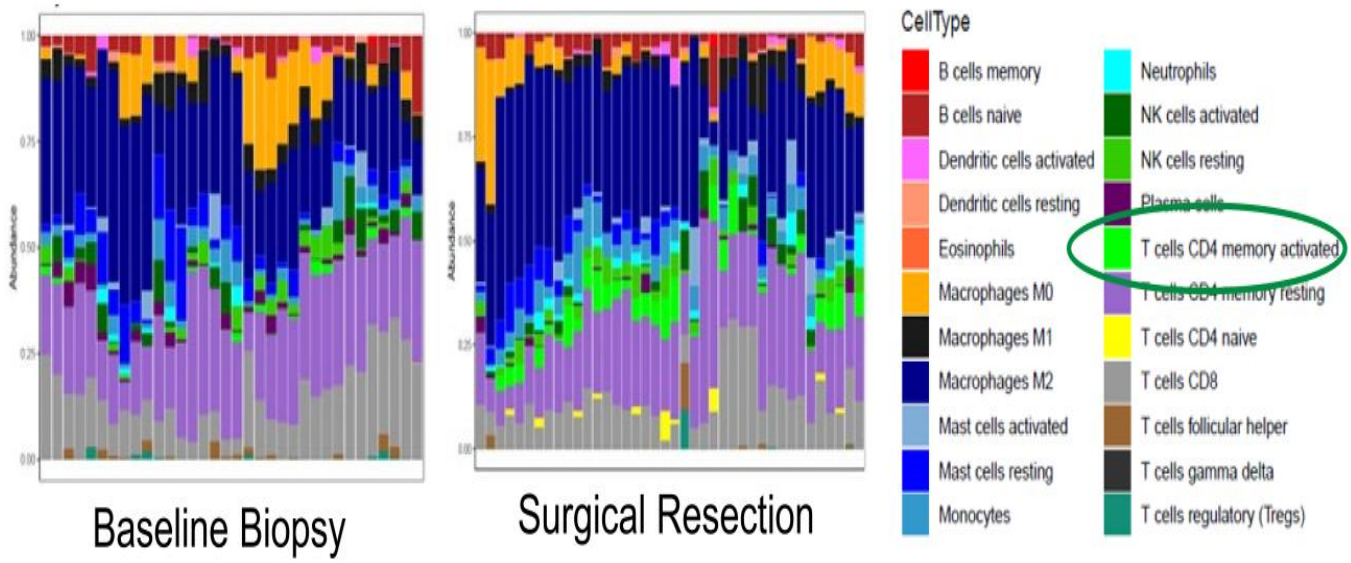


Final Pathology (significant necrosis ~95%) Cancer is mostly ghost cells

Tumor death is dependent on total dose given per treatment

Phase 2 Presurgical Breast Cancer Study *(INVINCIBLE-2)*

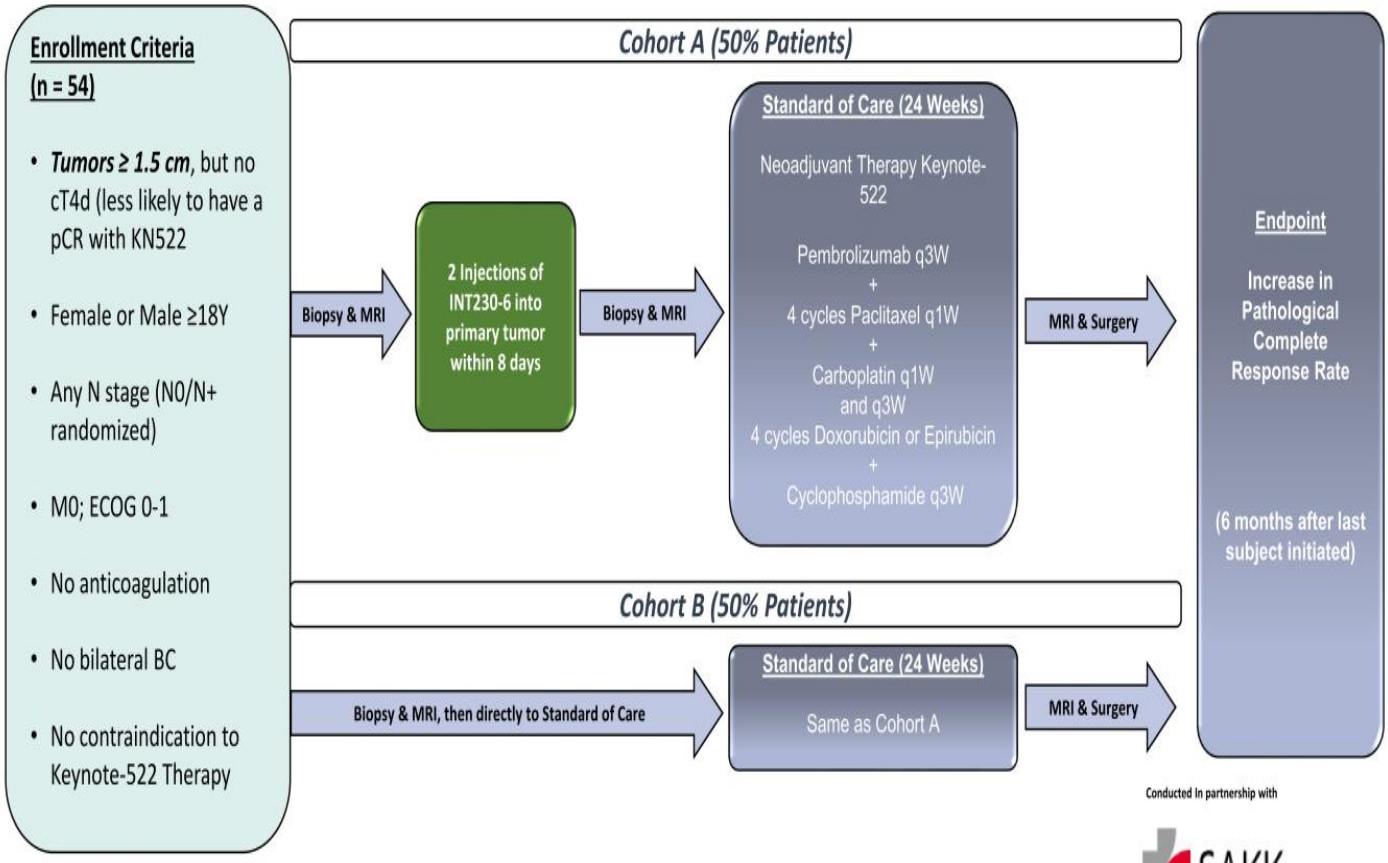
Differential Immune Cell Composition in Regions of Interest Within INT230-6 Treated Tumors



Changes in the immune cell composition pre- and post- treatment in INT230-6 treated tumors. As shown in the bar plots, which represent individual patients, the most significant changes are increases in the CD4 memory T-cells and NK T-cells

Phase 2 Neoadjuvant Triple Negative Breast Cancer (TNBC) Study *(INVINCIBLE-4)*

Keynote-522 +/- INT230-6 Trial Design



Conducted In partnership with

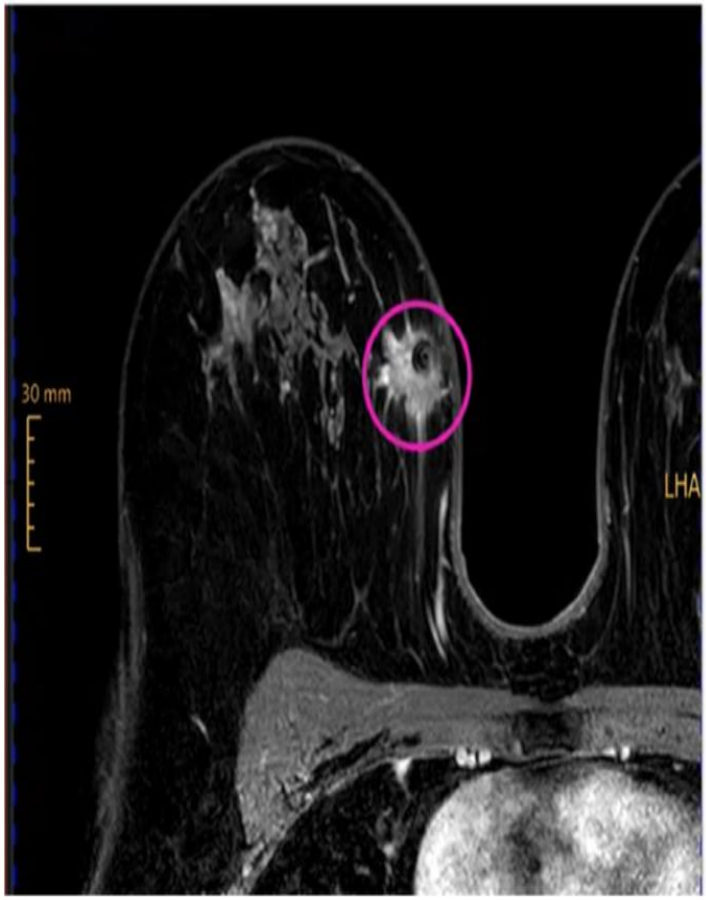
Non-comparative pCR hypothesis testing trial design

Phase 2 INVINCIBLE-4 TNBC Study *(IT-04)*

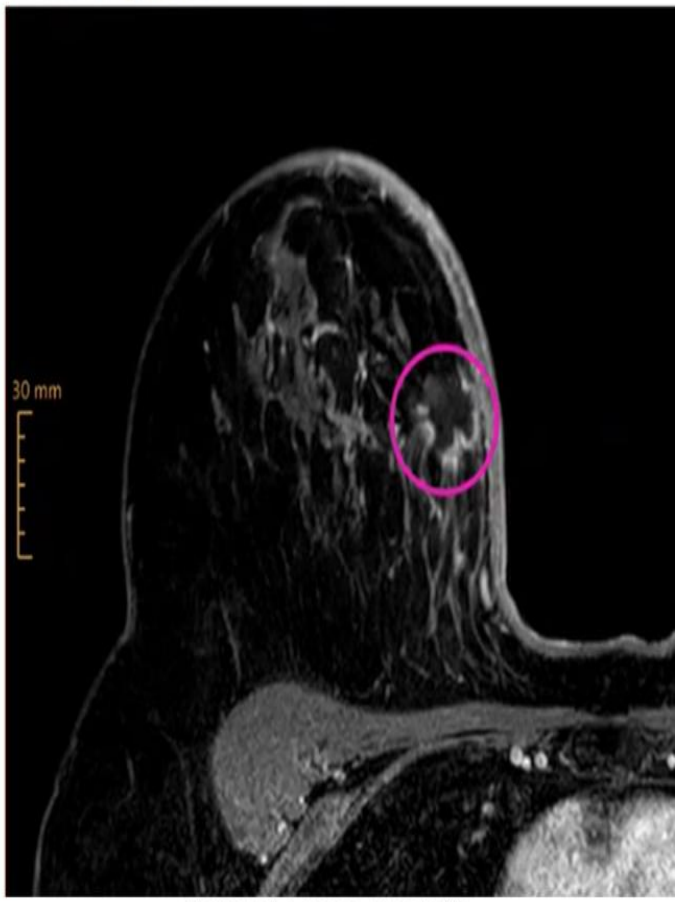
After 8 Days: live cancer has decreased significantly (as seen by lower contrast uptake)

Intensity THERAPEUTICS

Before first injection



AFTER 2 Injections



Tumor become necrotic

INT230-6 in Metastatic Cancers

Phase 1/2 Refractory or Metastatic Cancer Study *(IT-01)*

Favorable Safety as Active Agents Remain in the Tumor

IT-01 Study

110* patients, 20 cancer types; **64** patients on INT230-6 alone, **30** on INT230-6+Keytruda and **18** of INT230-6 + Yervoy

>95% of the active agents remain in the tumor relative to the drugs given IV
The drug retention is independent of the cancer type, location or size

Only 7 patients (10.9%) had a Grade 3 treatment emergent adverse events (TEAE) related to INT230-6 alone (no Grade 4 or 5)

Most common drug-related adverse events were mild or moderate injection site pain, fatigue, and brief nausea

*Two patients were in both the INT230-6 alone and INT230-6 + Keytruda cohorts

Phase 1/2 Refractory or Metastatic Cancer Study *(IT-01)*

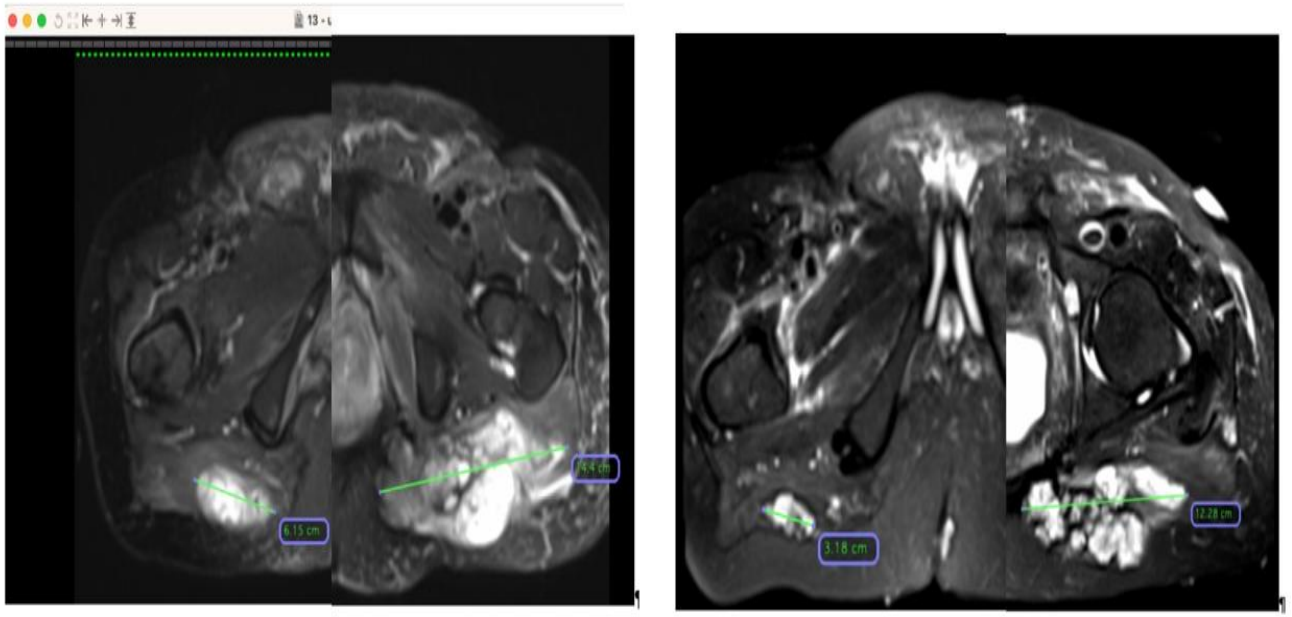
Live cancer decreases significantly over time (as seen by lower contrast uptake)

Intensity THERAPEUTICS

Sarcoma subject:

2 tumors at baseline: 21Mar 2018

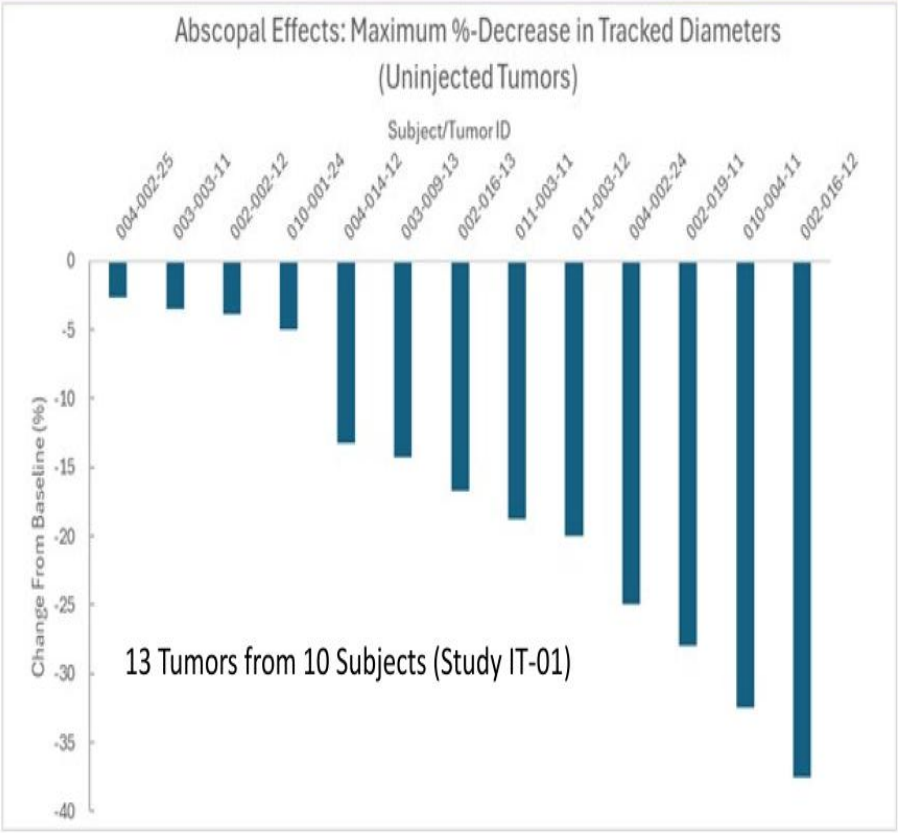
FU3: 30Oct2018



6.15 cm 14.4 cm 3.18 cm 12.28 cm

Tumor become necrotic and cystic: volume increases then declines

Abscopal Responses - Maximum reduction in Longest Diameter of Uninjected Tumors



Abscopal effects may be underestimated;

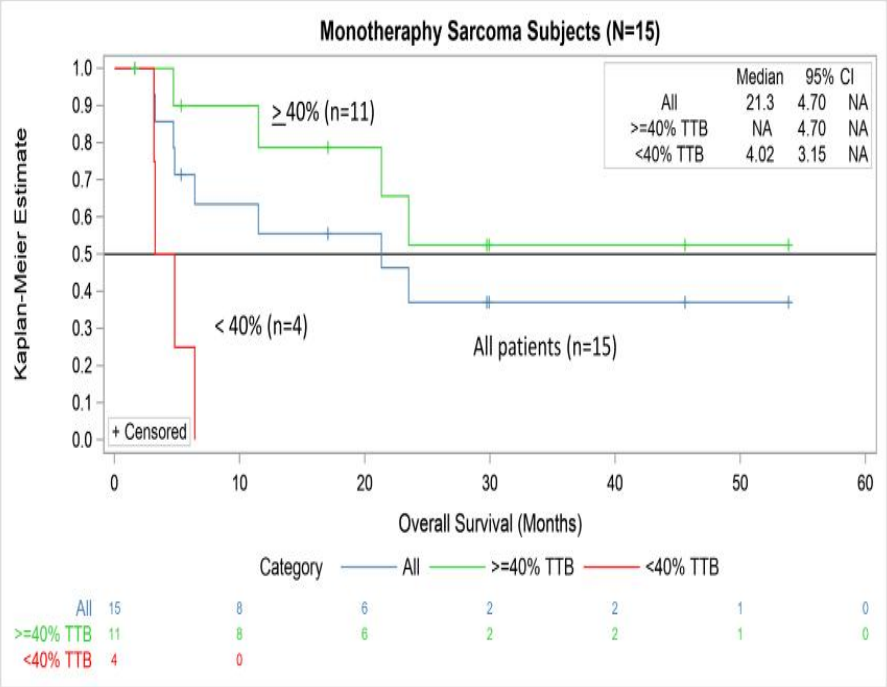
- No tumors under 1 cm in diameter were recorded, and
- Many tumors above 1 cm were untracked per RECIST target guidelines

Refractory or Metastatic Sarcoma Subpopulation Study *(IT-01)*

Median Overall Survival (mOS): 21.3 Month All Patients;
mOS not yet reached for dose ≥ 40% of TTB

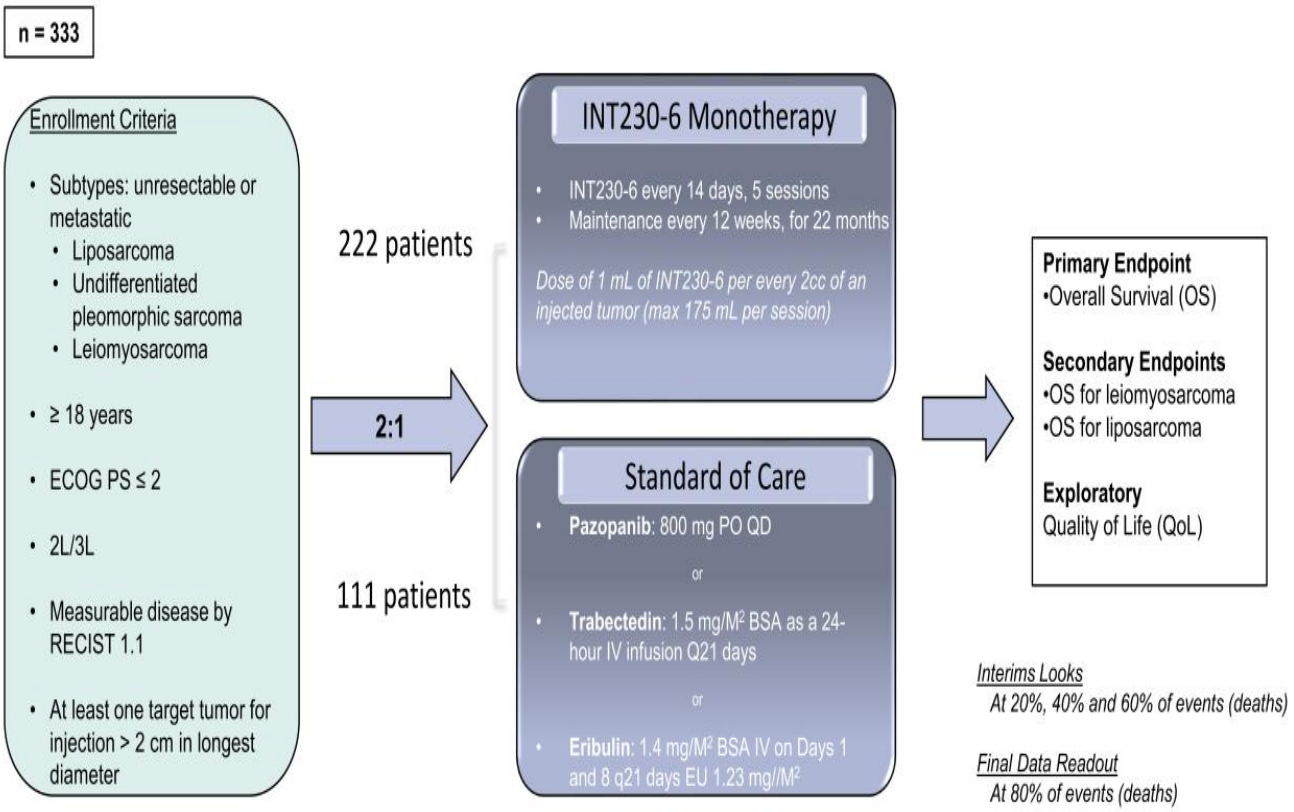
Median OS improved with more drug administered relative to the patient's total tumor burden (TTB)

Kaplan Meier estimates



Phase 3 Soft Tissue Sarcoma (STS) Study *(INVINCIBLE-3)*

Trial Design



- No crossover allowed between SOC and INT230-6.
- Disease progression will be determined by the World Health Organization (WHO) criteria in conjunction with scan data.

Anticipated Key Milestones

*Contingent on sufficient capital financing to fund clinical trials

Financial Highlights

Cash and Cash Equivalents[1]	$2.6 million
Debt[1]	$ 0
Shares Outstanding[1]:	
Common	15.1 million
Options *(weighted average exercise price: $6.14)*	2.6 million
Warrants *(weighted average exercise price: $4.32)*	2.0 million

(1) As of December 31, 2024

Summary

- Solid cancers such as sarcoma and breast are challenging to treat due to the tumor's physical properties
- Intensity is a late-stage clinical biotech company developing a new delivery technology to overcome the barriers to cancer cell death
- Intensity's product candidate, INT230-6, can be used in the metastatic and presurgical (neoadjuvant) settings
- Intensity is capital-efficient and focused on execution and achieving milestone
- Sarcoma and breast cancer represent significant opportunities for revenue

Management Team

Extensive Oncology, Drug Development, and Public Company Experience

Lewis H. Bender, *MIT ChE, MS, MA, MBA*
Founder, CEO

- Drug delivery expertise Preclinical through Phase 3
- Public biotech company CEO experience

Emisphere — CEO, CTO, VP, BD & Manufacturing

Roche — Manufacturing

Interleukin Genetics — CEO

Joseph Talamo
Chief Financial Officer

- Public CFO, 30 years,
- Extensive M&A and financing transactions

LISATA Therapeutics; HiberCell; Bristol Myers Squibb; (OSI) Pharmaceuticals; KPMG

Kimberly Guedes, RN, MBA
Vice President, Clinical Operations

- 25 years experience
- Global Phase 3 Experience

Bristol Myers Squibb; MERCK; Centrexion Therapeutics

John Wesolowski, *MBA, CPA*
Principal Accounting Officer and Controller

Yale; KMG

KEY MANAGEMENT

Doranne Frano
VP, Regulatory & Quality

Ian B. Walters, MD
Chief Medical Officer

Barbara Mohl
VP, Human Resources

Rita Cooney Ph.D.
Analytical Chemistry

Joseph Bernadino, Josh Rodriques
Manufacturing API and Drug Product

James Ahlers
Corporate Strategy

La Jolla Pharmaceutical; portage; Bristol Myers Squibb; REGENERON; Emisphere; CYTEC; Emisphere; Danforth Advisors; Intarcia

BOARD OF DIRECTORS

Lewis H. Bender
CEO Intensity

Daniel Donovan
CEO Rare Life

Emer Leahy, Ph.D.
CEO Psychogenics

Mark A. Goldberg, MD
Former President & COO of PAREXEL

Thomas Dubin
Former Chief Counsel Alexion

Emisphere; Roche; Pfizer; rareLife solutions; PsychoGenics; Allucent; PAREXEL; ALEXION AstraZeneca Rare Disease

INTENSITY THERAPEUTICS

A NEW WEAPON
IN THE WAR ON CANCER

Investor Contact:
Justin Kulik
CORE IR
IntensityIR@coreIR.com

Thank you!