

A photograph of an older man and woman standing outdoors in a park-like setting. The man, on the left, has grey hair and a mustache, wearing a blue button-down shirt. The woman, on the right, has short grey hair and is wearing a light-colored knit cardigan over a white top. They are both smiling and looking towards the right. The background shows trees and a bright sky.

# ADVANCING ORPHAN ONCOLOGY

Ticker symbol: ACE  
Nasdaq Stockholm  
[www.ascelia.com](http://www.ascelia.com)

## ADVANCING ORPHAN ONCOLOGY

August 2023

**ASCELIA  
PHARMA**

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Ascelia Pharma is identifying, developing and commercializing novel drugs that address unmet needs of people with rare cancer conditions



# ASCELIA PHARMA - HIGHLIGHTS

## Two drugs in advanced clinical development

### **ORVIGLANCE® – Nearing completion of Phase 3**

- First-in-class contrast agent for use in liver MRI in patients with severely impaired kidney function
- FDA Orphan Drug Designation
- Global addressable market of USD 800 million
- Phase 3 patient recruitment completed; readout pending

### **ONCORAL – Phase 2-ready**

- Daily, oral irinotecan chemotherapy
- Clinical collaboration with Taiho Oncology
- Opportunity in gastric cancer and other solid tumors

## Building global capabilities

Focused ORVIGLANCE launch in the US lead by Ascelia; partnering in other geographies

Based in Malmö (Sweden), US office in New Jersey (US)



# RECENT KEY EVENTS

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## Key events in Q2-2023

- Hepatic impairment study accepted for presentation at major radiology and liver conferences
- Ascelia Pharma presented Orviglance hepatic impairment data and hosted a Q&A with liver imaging experts at the 2023 ESGAR annual meeting

## Key events after Q2-2023

- **Re-evaluation** required after intra-reader inconsistency in scoring of images from phase 3 study SPARKLE
- Clarification that images were not read and scored properly





**ORVIGLANCE®**

**Liver diagnostic imaging drug with positive  
Phase 3 results**

**ONCORAL**

Phase 2-ready, daily, oral chemotherapy

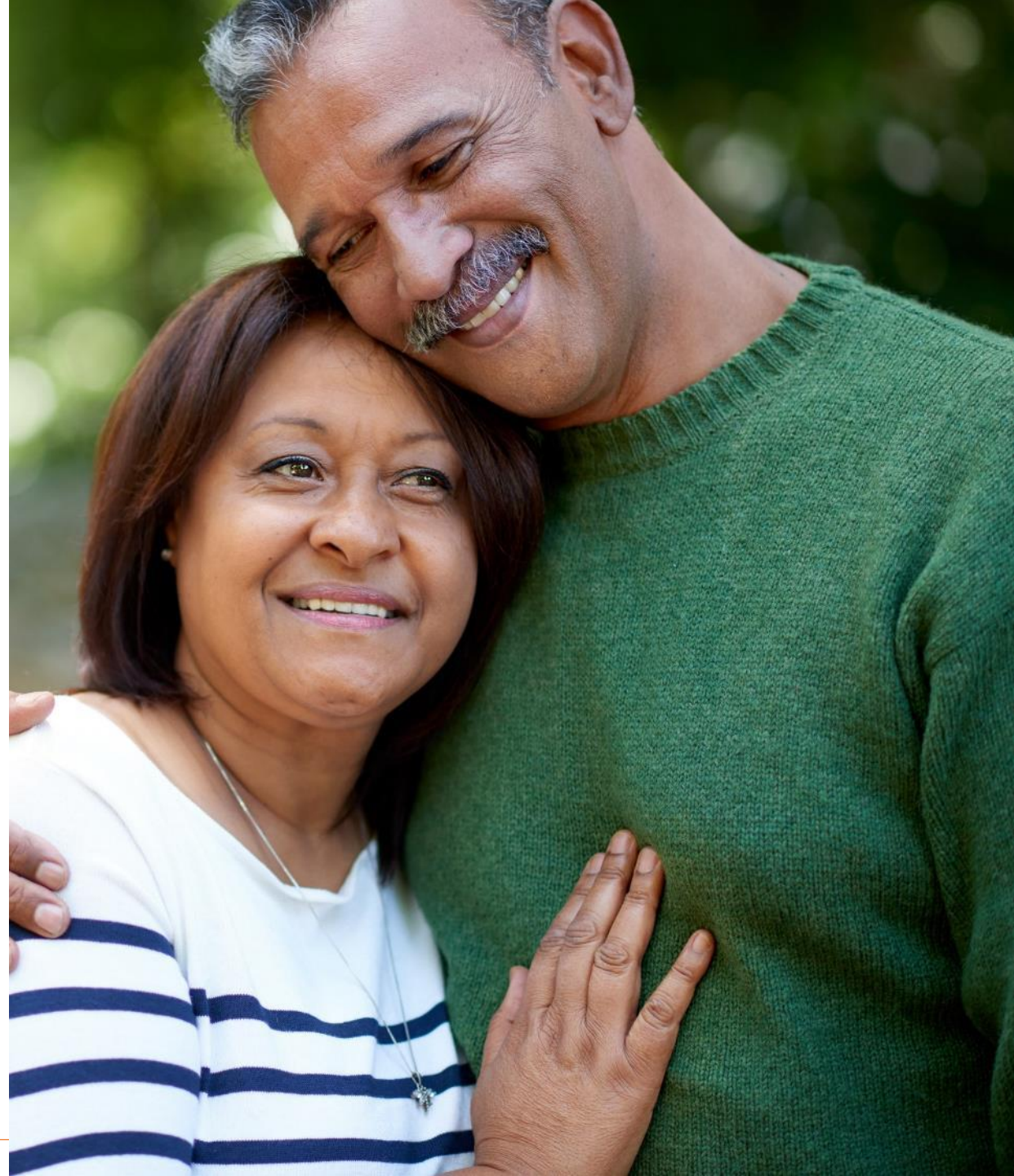


OUR PORTFOLIO



# CLEAR UNMET NEED AND CONSISTENT POSITIVE DATA

- A well-defined unmet need for liver imaging in cancer patients with poor kidney function
- A global addressable market opportunity of USD 800 million
- Consistent positive efficacy and safety in eight completed Phase 1 and 2 studies
- Patient recruitment and MR image collection for SPARKLE Phase 3 study completed
  - Common adverse events were in line with previous studies
  - Efficacy conclusions from pending re-evaluation





# RE-EVALUATION REQUIRED TO REACH RESULTS

## High Intra-Reader Variability

- As per FDA guidance, a pre-defined number of patients were evaluated twice, which showed a high level of variability in the evaluation of images by some readers
- A re-evaluation of all images by a new group of independent radiology readers is required

## Plan Ahead

- All activities and resources will now be focused on the re-evaluation
- Ascelia sees no need for enrollment of more patients or an additional clinical study
- Cost-saving initiatives are taken
- A timeline and financial implications for the re-evaluation will be presented by mid-September



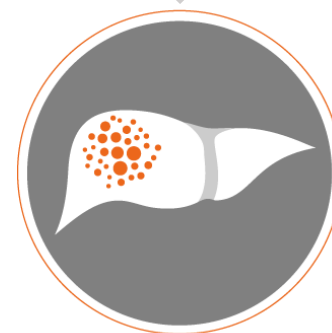
# UNRELIABLE MEASUREMENTS - EFFICACY NOT EVALUABLE

- Two readers with high level of intra-reader variability
- High intra-reader variability means the scorings are unreliable
- Unreliable scoring cannot be used to evaluate the effect
- All clinical data has been collected and no further patient enrollment is needed

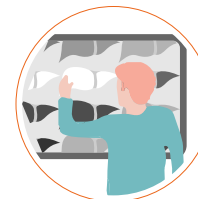
SPARKLE  
CLINICAL  
STUDY

Unenhanced and Orvigance  
enhanced images from 85 patients

Intra-Reader Variability Assessment

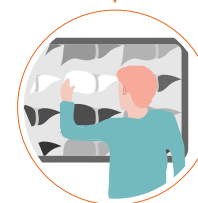


Sub-group  
of patients



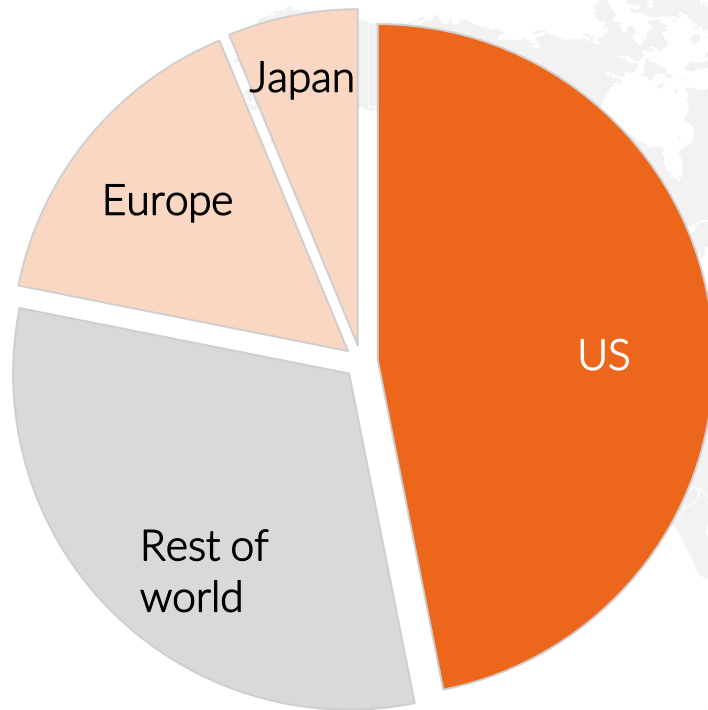
1<sup>st</sup> evaluation

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2<sup>nd</sup> evaluation

# ATTRACTIVE ADDRESSABLE MARKET



Global addressable market of USD 800 million

**Well-defined unmet need** for liver imaging in cancer patients with severe kidney impairment

**Attractive pricing and access** opportunity based on recognized value proposition<sup>1</sup>

**Focused US launch** by Ascelia Pharma to maximize value creation and partnering in other geographies

Sources:

Ascelia Pharma market research with Decision Resources Group, 2020.

Ascelia Pharma market access research and analyses with Revenue Reimbursement Solutions and Charles River Associates (2020), Triangle (2022) and Trinity (2022), incl. 75 stakeholder and expert interactions

1) Final pricing strategy is subject to Phase 3 data, payer evidence, negotiations, discounts and access strategy



ORVIGLANCE®

Liver diagnostic drug in ongoing Phase 3

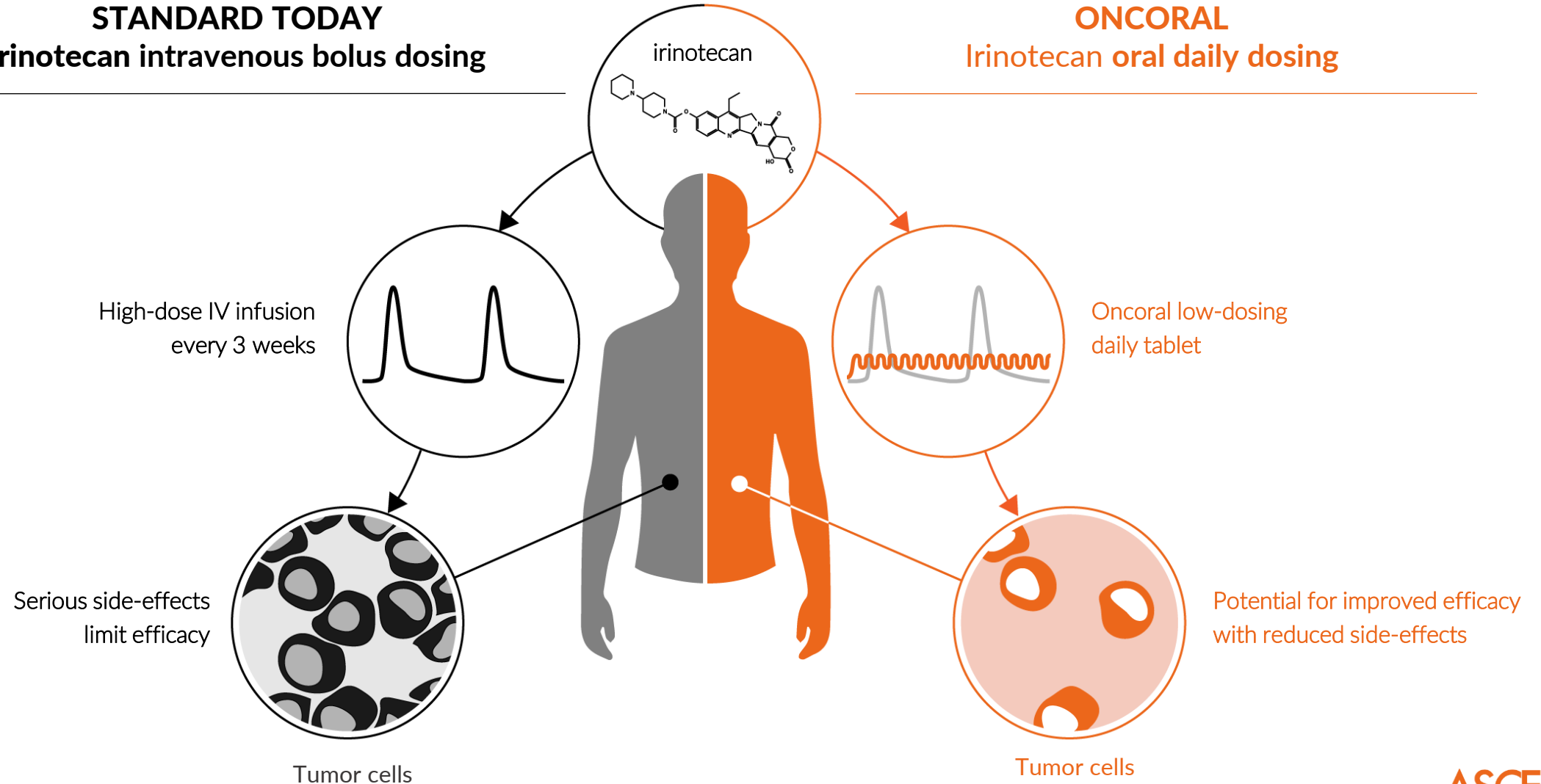
ONCORAL

Phase 2-ready, daily, oral chemotherapy

OUR PORTFOLIO

# IMPROVING **EFFICACY** AND **TOLERABILITY** IN SOLID TUMORS

## STANDARD TODAY Irinotecan intravenous bolus dosing



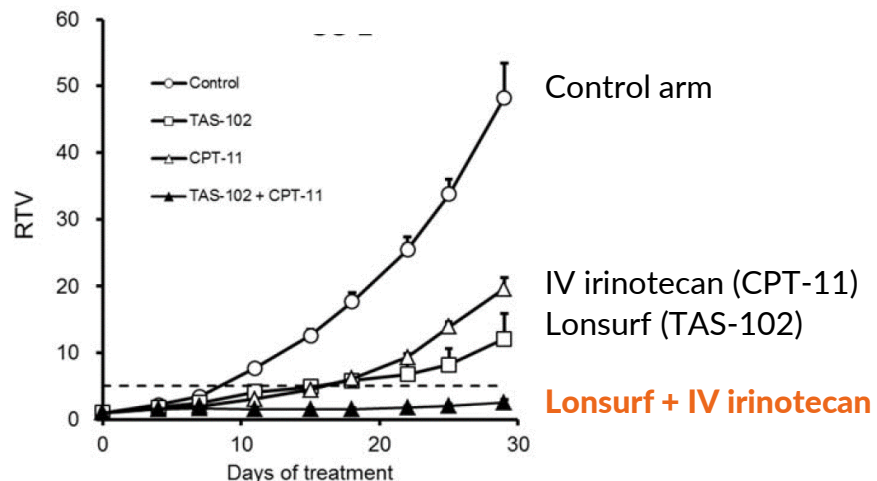


# ONCORAL PHASE 2 IN GASTRIC CANCER

## STRONG RATIONALE FOR GASTRIC CANCER

- High unmet need and clinically demonstrated
- Potential for synergistic effect between Lonsurf and irinotecan

Efficacy study in an animal model of gastric cancer<sup>1</sup>  
(Relative Tumor Volume, RTV)



## LONSURF AND IRINOTECAN COMBINATION

### RANDOMIZED CONTROLLED PHASE 2 STUDY

- ~100 patients with metastatic gastric cancer
- Study arms: Oncoral + Lonsurf vs. Lonsurf
- Endpoints: Progression Free Survival (Primary), Response Rate, PK, Safety (Secondary) and Overall Survival (follow-up)
- IND approved in the US
- To focus all resources on Orvigance, patient enrollment is not initiated until it can be done effectively

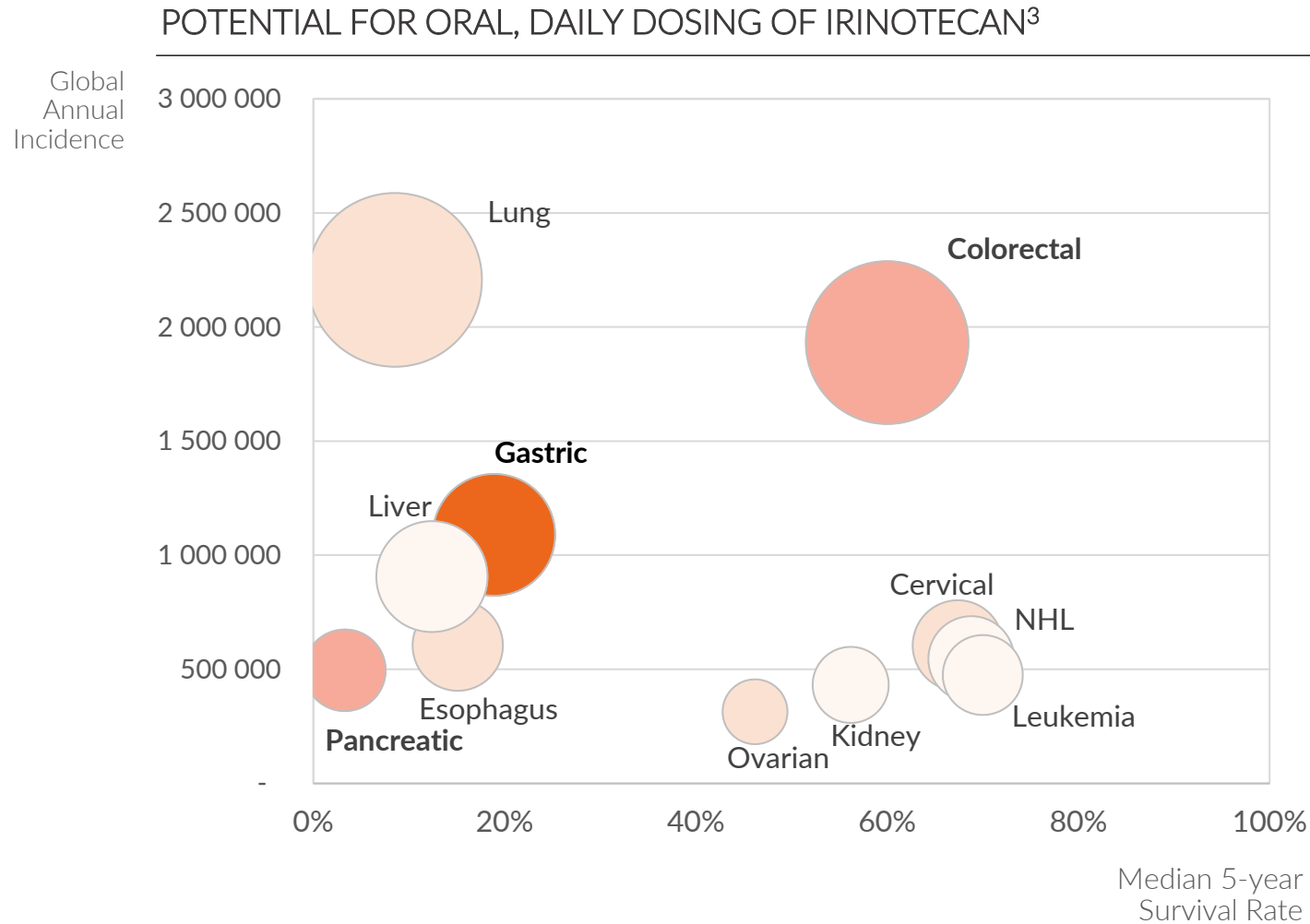
Clinical collaboration with



LONSURF is approved for treatment of metastatic gastric cancer and metastatic colorectal cancer

1) Nukatsuka et al: Combination Chemotherapy Using TAS-102 and Irinotecan Hydrochloride, ANTICANCER RESEARCH 35: 1437-1446 (2015)

# HIGH VALUE GASTRIC CANCER OPPORTUNITIES WITH EXPANSIONS



A WELL-ESTABLISHED CHEMOTHERAPY with recognized anti-tumor effect in solid tumors

- Current focus: Gastric cancer
  - Clinically demonstrated
  - Guidelines recognized
  - 3<sup>rd</sup> highest cancer deaths<sup>1</sup>
  - Orphan disease (US and EU)
  - \$3-4bn market<sup>2</sup>
- Approved indications for IV irinotecan
- Indications where IV irinotecan are clinically demonstrated & guidelines recognized
- Indications where IV irinotecan are clinically demonstrated

1) International Agency for Research on Cancer (IARC, 2021)

2) GlobalData - Gastric and Gastroesophageal Junction Adenocarcinoma - Global Drug Forecast and Market Analysis to 2024

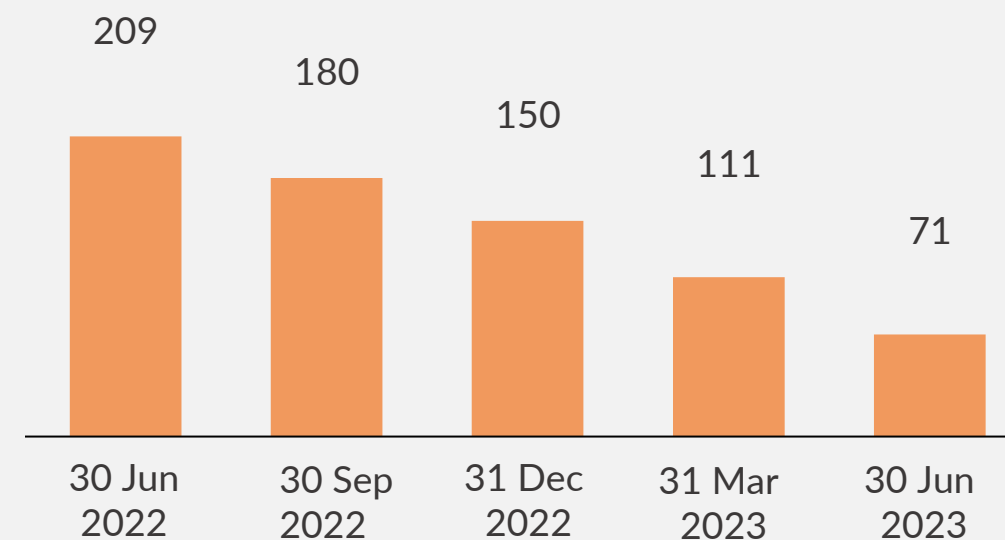
3) Globocan 2020, WHO, Cancer Research UK



# FINANCIAL HIGHLIGHTS Q2 2023 – LIQUIDITY POSITION

- Liquid assets of 71 MSEK (\$6.5 million) by 30 June 2023
- Ambition to complete the SPARKLE image re-evaluation with current cash
  - Activities not related to the re-evaluation are postponed and cost saving initiatives taken
  - We will communicate the timeline for the re-evaluation activity and the financial runway in mid September

**Liquid assets including marketable securities**  
(SEK million)





# UNCHANGED CONFIDENCE IN ORVIGLANCE

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ORVIGLANCE – a first-in-class orphan diagnostic drug targeting \$800m market



3 Mar 2023

Phase 3 LPLV



Mid-Sept 2023

Focused Plan for Re-Evaluation

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Oncoral – Phase 2 ready with attractive potential in gastric cancer and other solid tumors

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