Changing the Game in Oncology Drug Development and Patient Access

CERTARA

We can help maximize your understanding of your anti-cancer drug's safety and efficacy profile to support regulatory and commercial success. Certara's strategic and technology-enabled services provide support across the drug development continuum from pre-clinical first-in-human studies and clinical drug development for small molecule and complex biologics, to regulatory submissions, health economics/outcomes research and market access value communication.



Strategic Considerations for Successful Development of Complex Oncology Therapeutics in Early Development

Development and evolution of the Target Product Profile (TPP)

Risk assessment and mitigation planning

Translational exposure-response (E-R) and exposure-safety analyses (E-S)

Defining PK/PD relationships and application of quantitative modeling and simulation

First-in-human (FIH) starting dose calculation methodology

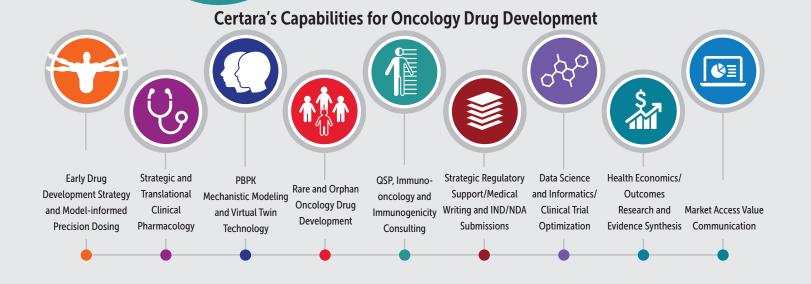
Phase I and II integrative dose selection strategy

Clinical pharmacology data collection and analysis plans

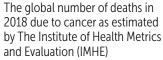
Evaluate appropriate data collection and timings

Determine analyses requiring crossfunctional data integration

Address key pharmacology-related critical questions









The estimated global market for oncology therapeutics by 2022

5200R

17M The global number of cancer diagnoses in 2018

27.5M The global number of cancer diagnoses estimated by 2040

Certara's Technology-Enabled Services for Oncology Drug Development



Science and Technology Decision-support Platform

Certara's Simcyp Simulator - Getting Real Answers from Virtual Populations 90+%of all novel FDA drug approvals were supported by Certara for the 4th Consecutive Year Simulate mAb PK in humans using a mechanistic minimal Simcyp PBPK model which can account for on treatment regimens, and for conducting virtua therapeutic mAbs in each compartment and DDI trials to assess the potential for safety concerns. 1,700 sub-compartment. Simcyp Simulator's solid cancer models combine knowledge of the tumor composition with the drug's physiochemical properties to simulate the companies, academic institutions, global non-profits, Simcyp's antibody drug conjugate (ADC) model enables mechanism-driven studies of ADCs and drugand leading regulatory agencies in 60 Use PBPK to evaluate the PK of oncology drugs for countries partner dose selection in clinical trials and to predict the with Certara potential clinical relevance of PK DDIs. Certara's Simcyp Simulator has been used to inform label claims on novel oncology drugs used to treat indications including:



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