

zafing

Innovation in Oncology Clinical Trial Design

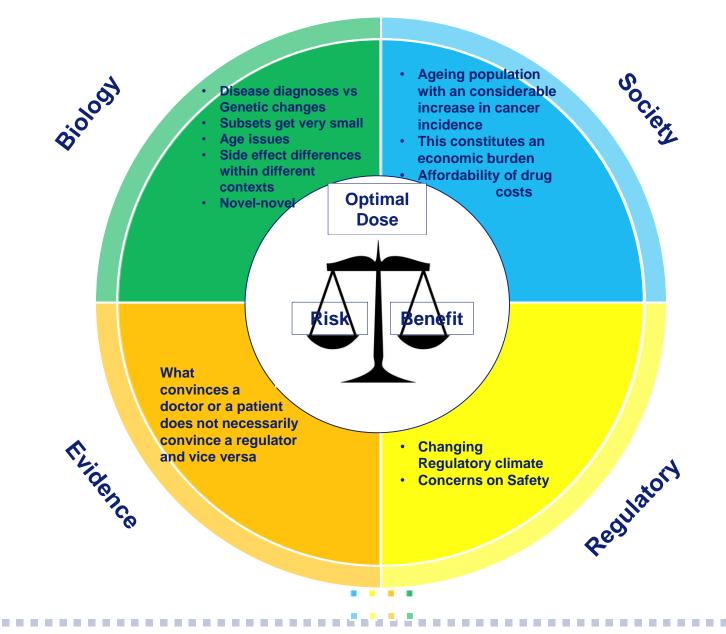
Introduction

Jaap Verweij Medical Oncologist Dean and Vice-chairman Board of Directors Erasmus MC

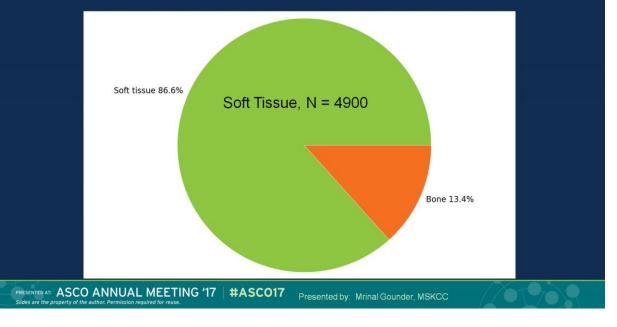


Our challenges are diverse and manyfold

Erasmus MC



Distribution of Soft tissue versus Bone sarcoma (n = 5749)



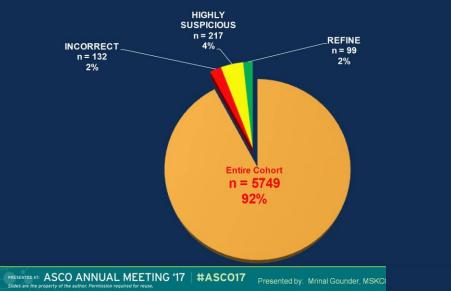
Erasmus MC 2 afmg

56 unique histology (n = 5749)

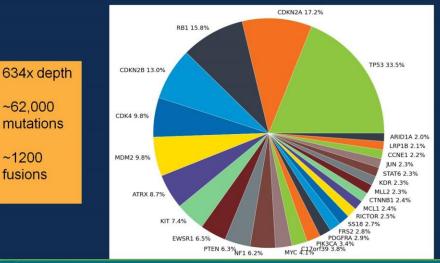
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Does Genomic profiling aid/refine/modify diagnosis? And what about mutations?



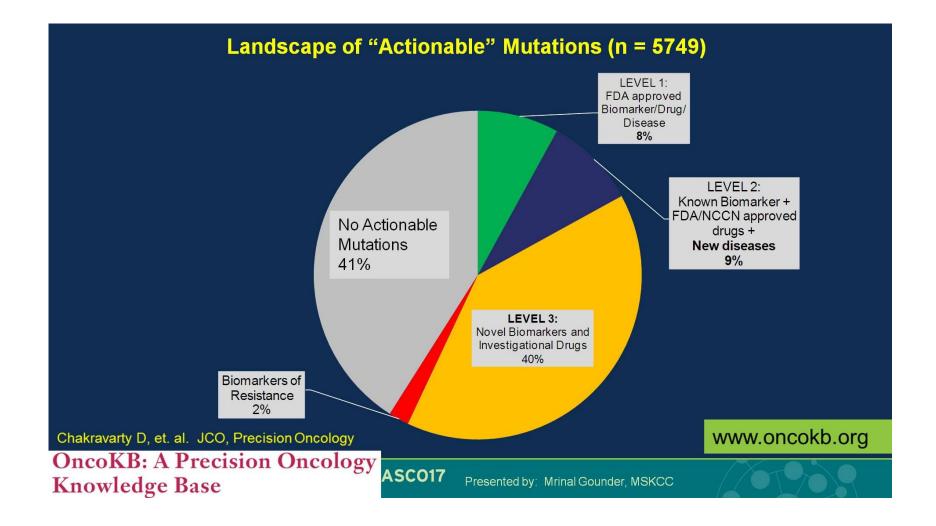


Landscape of Mutations (n = 5749)

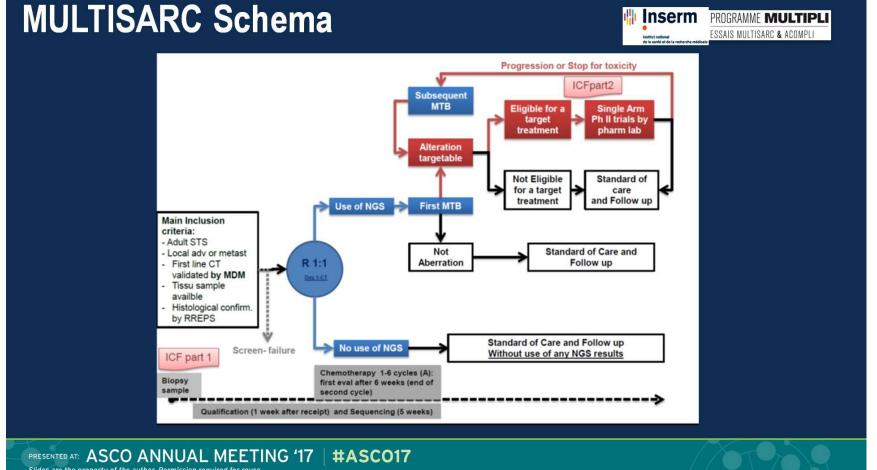


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Tropomyosin Receptor Kinase (TRK)

NTRK1/2/3

NTRK kinase domai

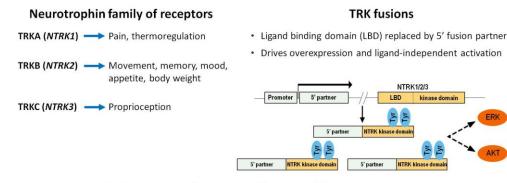
kinase domain

I BD

1×

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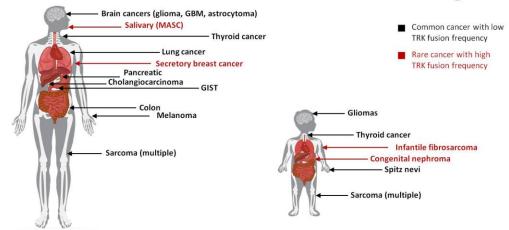
Role of TRK in normal biology and cancer



TRK uncommonly expressed in normal tissues or cancer Fusion drives abnormally high expression and activation of TRK kinase domain

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TRK fusions found in diverse cancer histologies

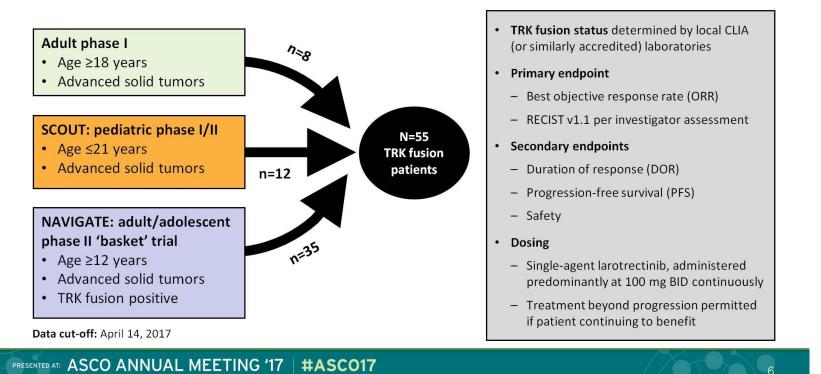


Estimated 1,500–5,000 patients harbor TRK fusion-positive cancers in the United States annually

Lacrotrectinib (LOXO-101), a selective Tropomyosin Receptor Kinase (TRK) inhibitor

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Larotrectinib TRK fusion development program



N = 55; Age 4 months – 76 years !!!

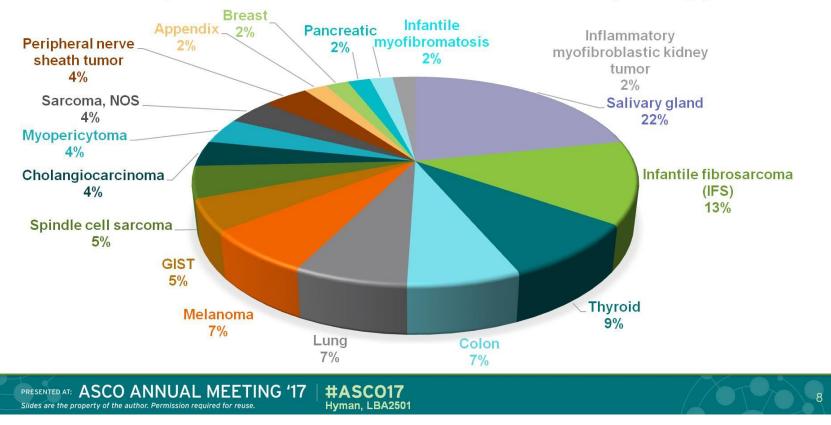
Hyman, LBA2501

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Lacrotrectinib (LOXO-101), a selective Tropomyosin Receptor Kinase (TRK) inhibitor



Diversity of cancers treated - 17 unique types



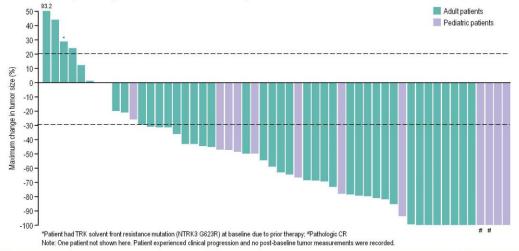
CR 12%, PR 64%

Lacrotrectinib (LOXO-101), a selective Tropomyosin Receptor Kinase (TRK) inhibitor

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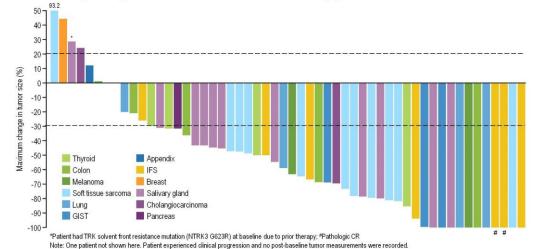
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Efficacy regardless of age



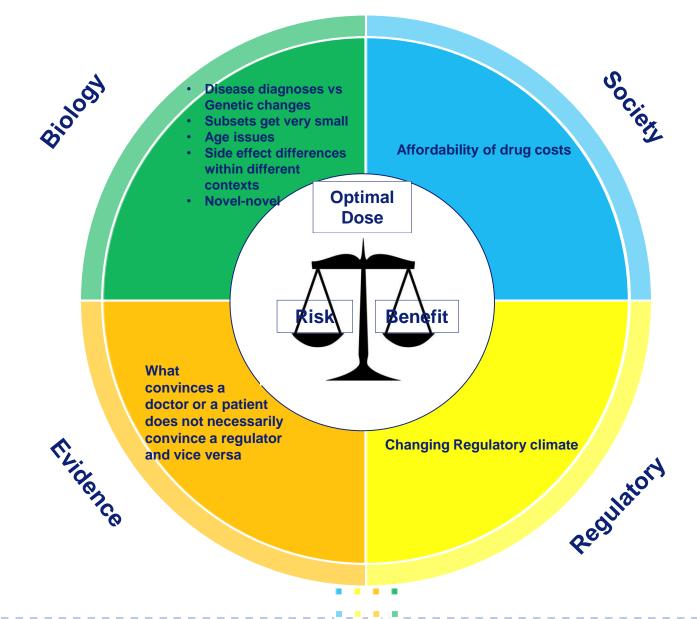
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Efficacy regardless of tumor type



Our challenges are diverse and manyfold







In the end, we all (patients, care-providers, regulators, pharmaceutical industry, and even insurance companies) share the same aim:

To get a novel and better drug on the market as quickly as possilble