

Realizing the promise of precision oncology for all patients

Someday, the promise of precision oncology will be fully realized with access to timely and comprehensive cancer profiles for all patients. What's required? How might that look?

Fast and comprehensive results from local laboratories

Clinicians need earlier and more comprehensive insight about all relevant genomic cancer drivers to make the most fully informed and appropriate first-line treatment decisions.

Maximized use of every patient sample

Small and sometimes low-quality samples are the reality in a routine clinical setting. It's necessary to use tests that do not require large sample amounts and can yield maximum information.

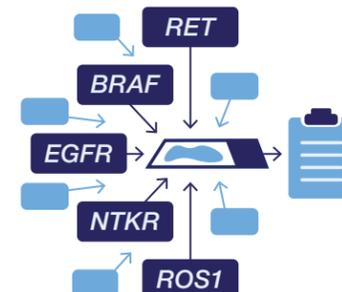
Next-generation sequencing (NGS) in-house

A fast, automated, and cost-efficient NGS workflow is required to enable local pathology laboratories to deliver a...



NGS instead of single-gene method triage

Only NGS can deliver multiple results at once, saving sample and time. NGS should be employed at the time of diagnosis to...



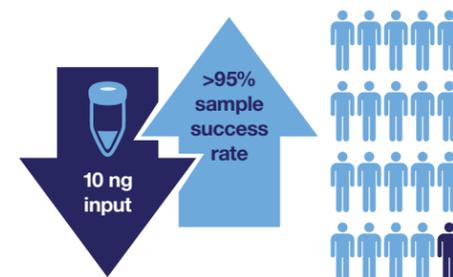
...complete cancer profile

This will enable clinicians to receive comprehensive information about the genomic cancer profile and choose the most appropriate treatment from all available options and...



...increase testing success rate

But not all NGS methods are the same, and some require large amounts of sample, leading to 1 in 4 patient samples not producing a genomic profile. Choosing a test requiring less sample input will...



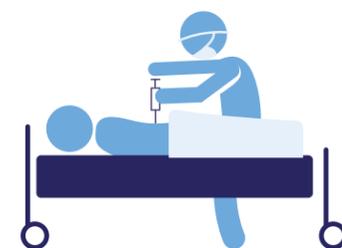
...speed up consultation

Reduce the clinical deterioration risk, an issue observed in up to 20% of advanced-stage cancers within the first weeks.



...reduce the risk of rebiopsy

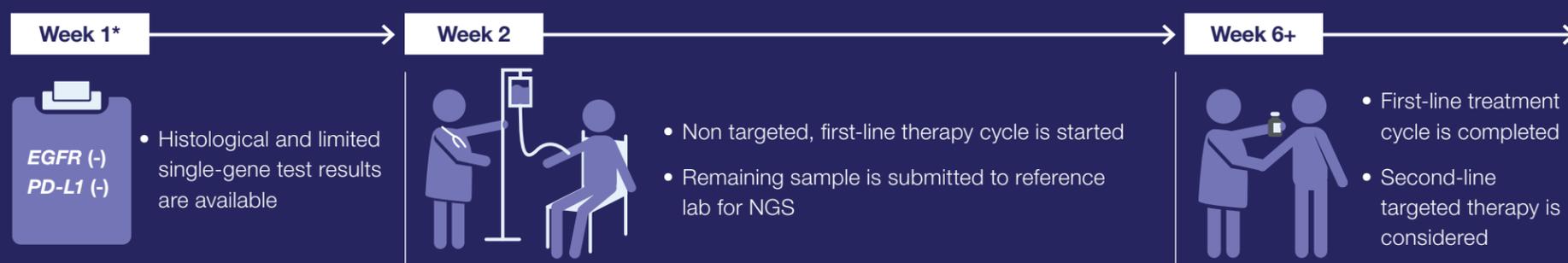
and save patient suffering and resources by decreasing side effects, clinical operations, and hospitalization, as well as time to initialization of the most optimal treatment.



Changing the diagnostic and treatment paradigm

Having all relevant genetic insights quickly available at once will enable clinicians to choose among more therapeutic options for first-line treatment, helping to improve outcomes. Let's explore what that world could look like.

Current diagnostic and treatment paradigm



Potential in-house NGS diagnostic and treatment paradigm



* Week 1 in this infographic is the week when the oncologist receives the first biomarker report from the local laboratory.