



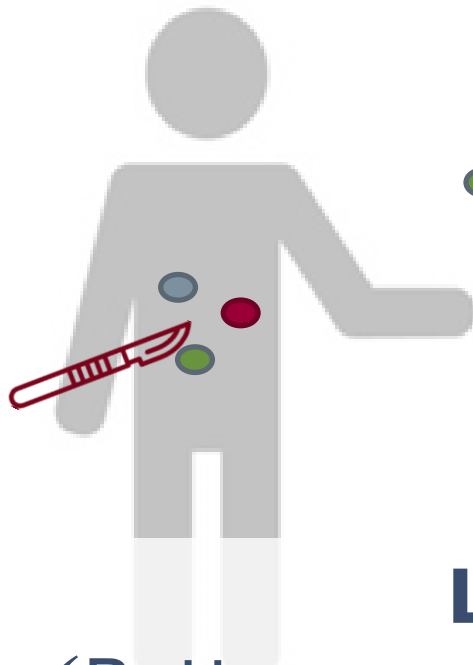
CELL-FREE CIRCULATING TUMOR DNA AS BIOMARKER FOR COLORECTAL CANCER PATIENTS WITH METASTATIC DISEASE

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ADVANTAGES LIQUID BIOPSY FOR THE PATIENT

Tissue biopsy

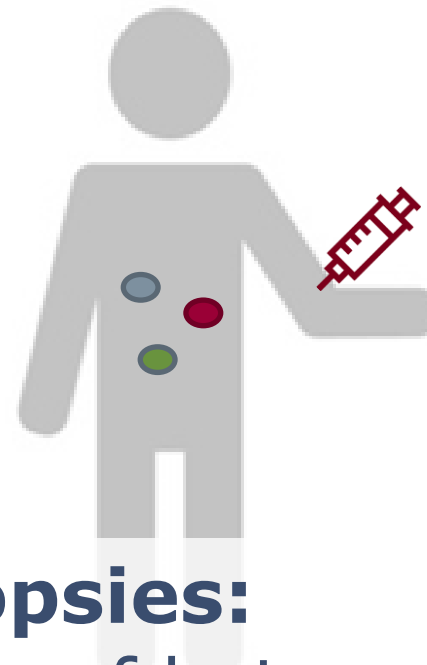


● Tissue biopsy

↓
fixation,
embedding,
isolation

↓
DNA

Liquid biopsy



●●● Liquid biopsy

↓
centrifugation,
isolation

↓
ctDNA

Liquid biopsies:

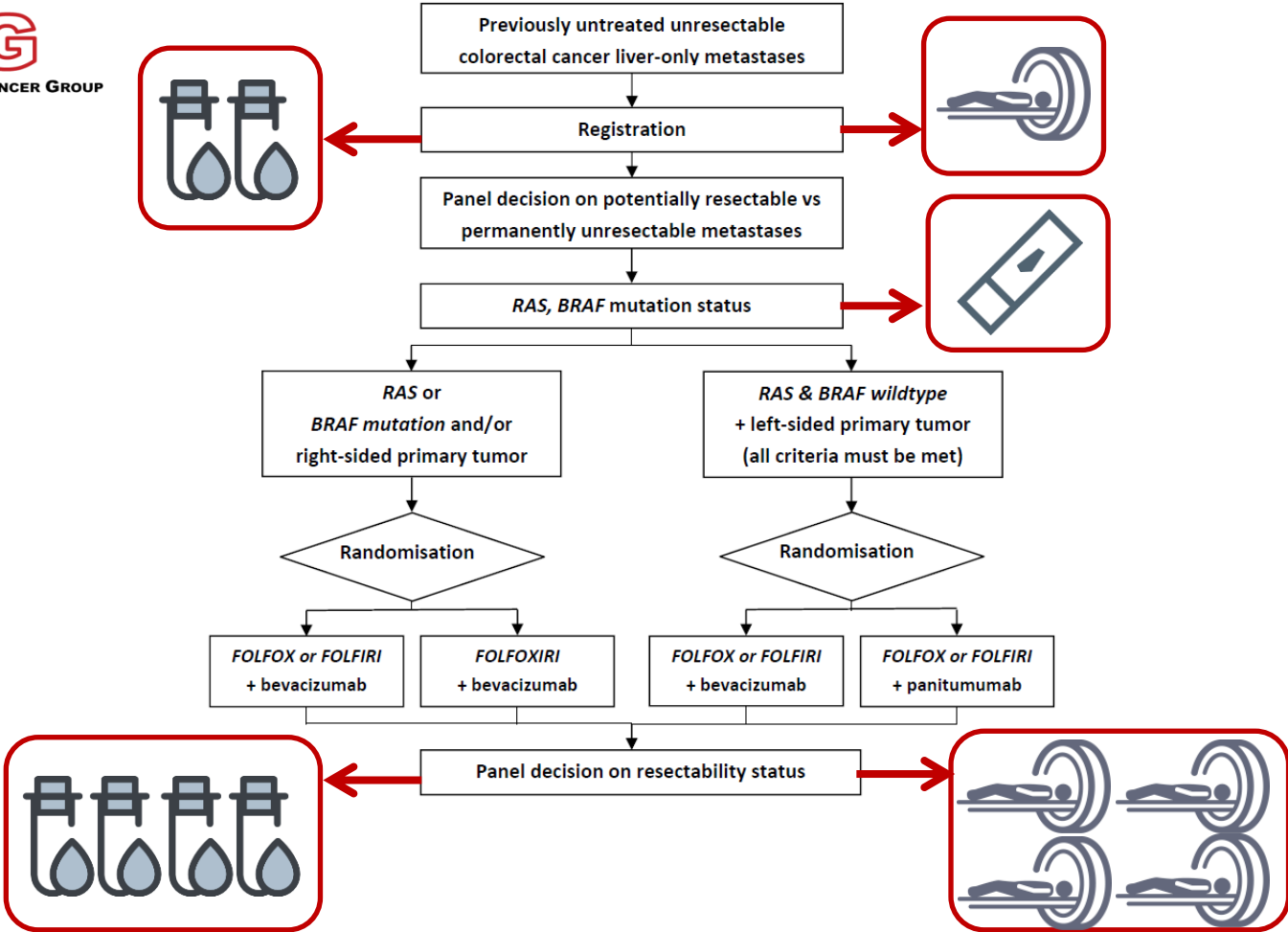
- ✓ Better representation of heterogeneity
- ✓ Minimal invasive
- ✓ Longitudinal follow-up possible

CLINICAL IMPLEMENTATION OF LIQUID BIOPSY ctDNA-BASED TESTS

Goals:

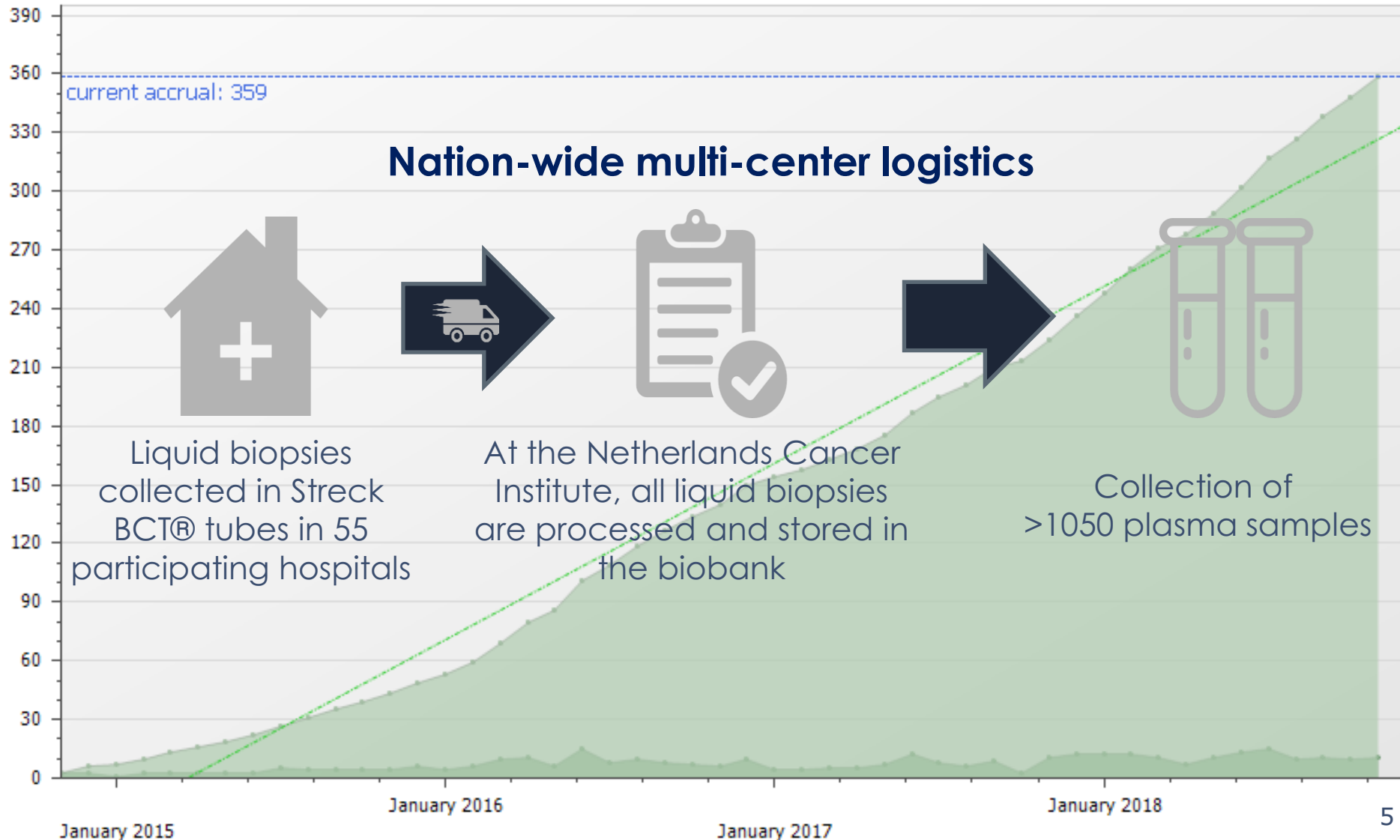
1. to better **predict** primary and acquired **resistance** to anti-EGFR therapy response.
2. to **detect disease progression** sooner by liquid biopsy ctDNA analysis compared to conventional CT imaging.

CAIRO5 CLINICAL TRIAL

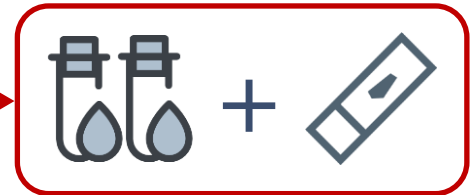
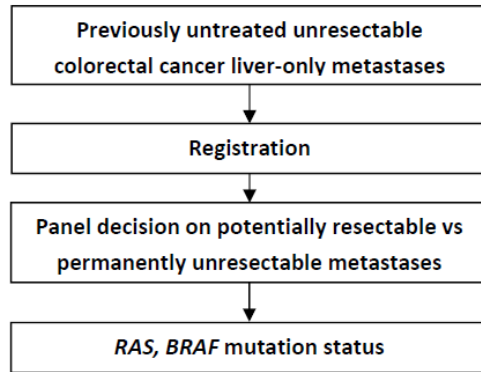


SUBJECT ACCRUAL CAIRO5 STUDY

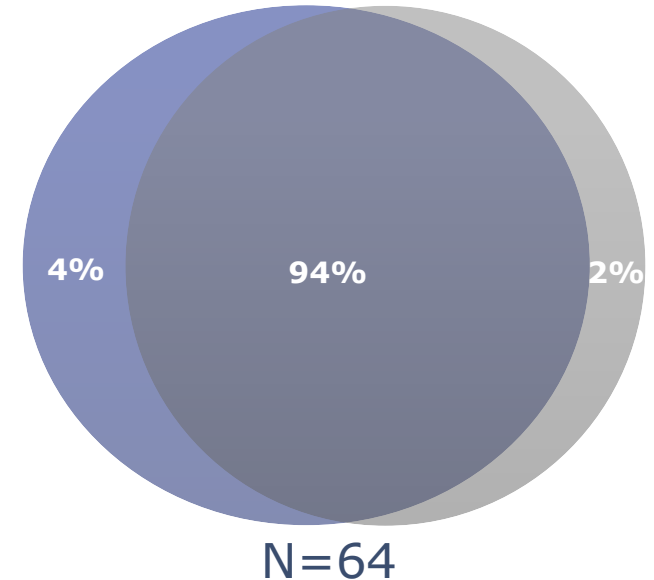
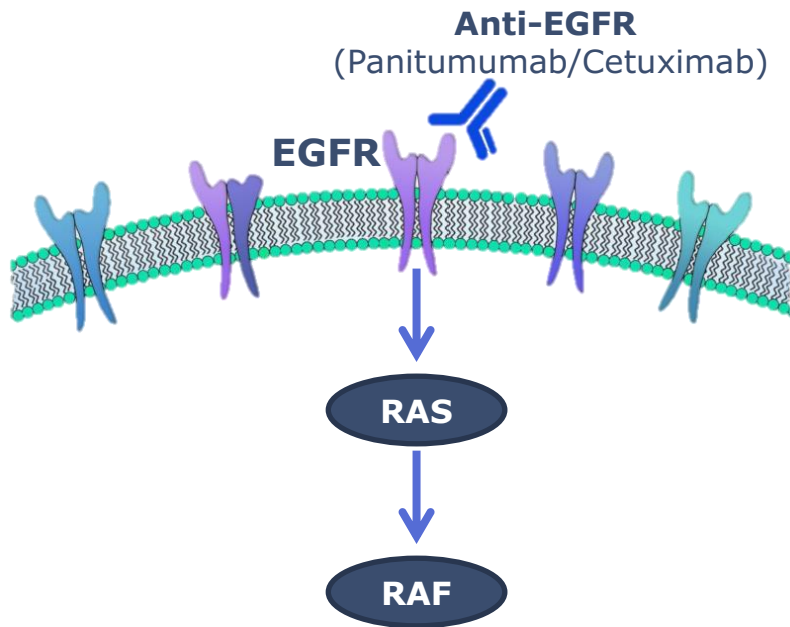
Current accrual: 359 subjects



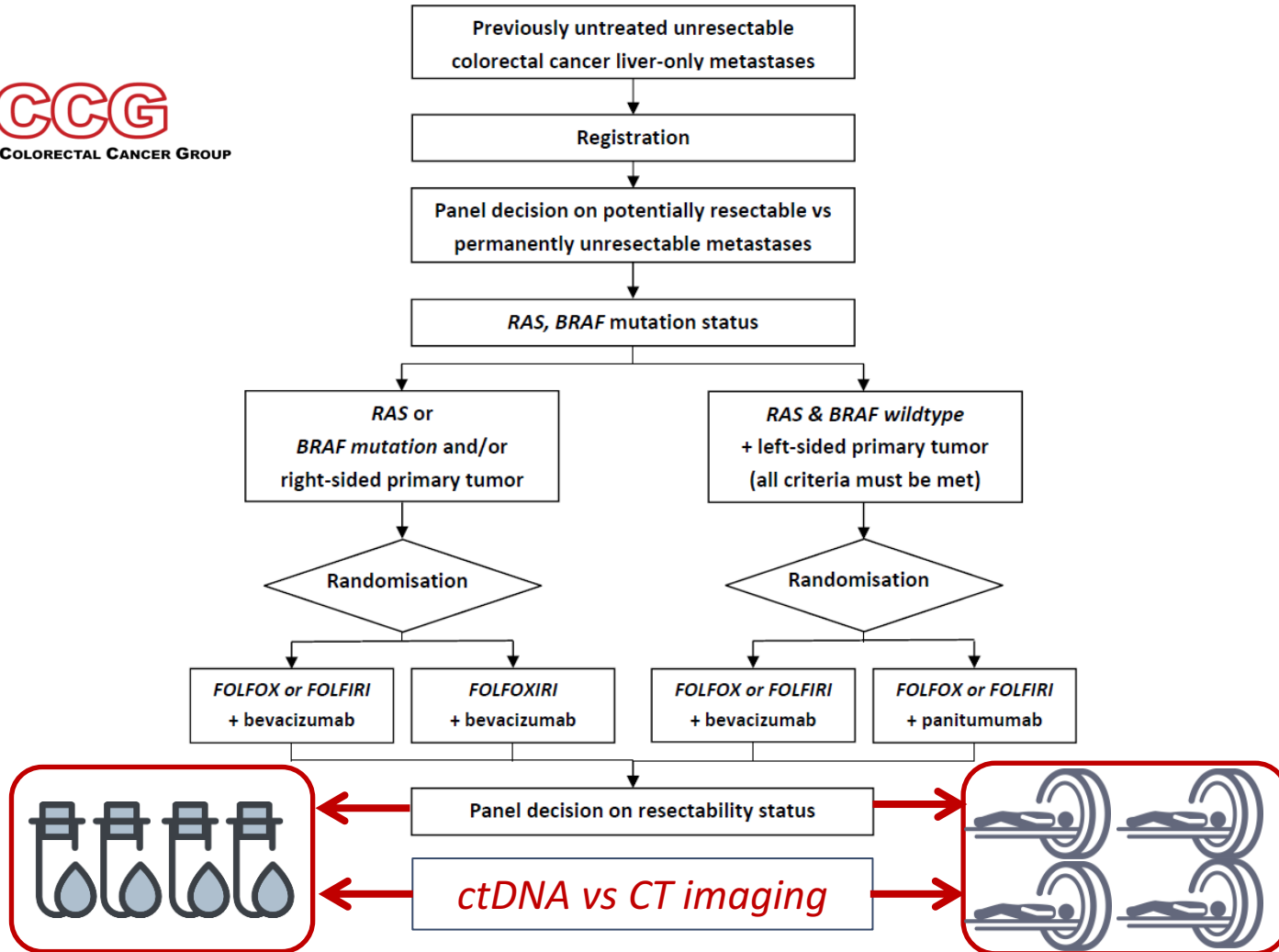
1. PRIMARY AND ACQUIRED RESISTANCE TO ANTI-EGFR THERAPY



Concordance KRAS codon 12/13/61
liquid biopsies - tissue biopsies



2. LEAD TIME ctDNA VERSUS CT IMAGING



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All patients that participated in the CAIRO5 clinical trial



Project: 10438

