Circulating tumor DNA for prognosis assessment and postoperative management after curative-intent resection of colorectal liver metastases

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Suppl. Figure S1. Detailed ctDNA results and disease course information. Detailed disease courses, applied treatment, and longitudinal ctDNA analyses for all 68 patients. ctDNA is represented as copies/mL plasma.
Suppl. Figure S2. ctDNA profiling results for all patients analyzed during the study. Patients are ordered by recurrence status. Patients were considered positive if one or more plasma samples postdefinitive treatment was ctDNA-positive. Generally, longitudinal analysis revealed persistent ctDNA positivity in serial samples, with ctDNA status changing only in case of clinical intervention. Patients are sorted by relapse status and follow-up length.
Suppl. Figure S3. Lung metastasis undetected by plasma ctDNA monitoring. Four patients that were ctDNA negative in the period up to diagnosis and surgical treatment for lung metastasis. Mutations used as ctDNA markers were identified in the primary liver metastases.

Patient ID 10

- NRAS c.182A>G
  - VAF = 0.13

Patient ID 18

- KRAS c.38G>A
  - VAF = 0.39

Patient ID 19

- KRAS c.35G>A
  - VAF = 0.19

Patient ID 27

- PIK3CA c.3140A>G
  - VAF = 0.32

Figure legend

- ctDNA
  - ctDNA positive
  - ctDNA negative

- Radiographic imaging
  - No abnormality detected
  - Regression
  - Stable disease
  - Relapse
  - Progression

- Treatment
  - Adjuvant therapy
  - Chemotherapy
  - Palliative therapy

- Surgery, radiofrequency ablation, microwave ablation, or stereotactic body radiotherapy

- Lead time (ctDNA vs imaging)
Suppl. Figure S4. Detailed ctDNA results and disease course information for patients with indeterminate radiographic imaging. Detailed disease courses for 21 patients with indeterminate radiographic imaging findings during follow up. For relapsing patients, we only include follow-up from primary treatment and until diagnosis of relapse. Shown are the results of radiographic imaging, longitudinal ctDNA analyses. Treatment periods are also indicated.

Relapse patients with indeterminate findings
Relapse free patients with indeterminate findings

Figure legend
- ctDNA positive
- ctDNA negative
- Radiotherapy
- Surgery, radiofrequency ablation, microwave ablation, or stereotactic body radiotherapy
- Palliative therapy
- Chemotherapy
- ctDNA positive
- ctDNA negative
- Radiographic imaging
  - No abnormality detected
  - Regression
  - Stable disease
  - Indeterminate finding (liver)
  - Relapse (liver)
  - Indeterminate finding (lung)
  - Relapse (lung)
  - Relapse (liver & lung)
  - Progression
  - Indeterminate finding (other)