

Screening and early detection of colorectal cancer

fecal occult blood test, stool DNA testing



microRNA-based biomarkers in serum

Patient evaluation



Clinical examination, diagnostic imaging (USG, CT, MRI, PET), colonoscopy

colorectal biopsy specimen

serum

Molecular staging

(KRAS mutation testing, MSI, EGFR gene copy number, p53 testing...)

Pathological staging

pTNM, grade, margins of resection, angiolymphatic invasion,...

Tumor markers (CEA, CA19-9)

microRNA-based biomarkers in tissue

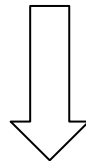
microRNA-based biomarkers in serum

Prediction of cancer dissemination, prognosis and chemo/radiotherapy response

Monitoring cancer therapy and progression



Individualization of therapy and dispenserization for colorectal cancer patients



microRNA- based therapy?