

ESMO SUMMIT RUSSIA 2019

Clinical case.

Difficulties in treatment of patient
with primary multiple malignancies
with BRAF mutation

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CONFLICT OF INTEREST DISCLOSURE



No conflict of interest

CLINICAL DATA

Male, 64 years old

ECOG 1

No clinically significant comorbidities.

Anamnesis of life: married, non smoker. No history of tumours in family.

November, 2018. Grade 1 pain in epigastric area, changes in stool behaviour.

Colonoscopy: stenotic tumor of the hepatic flexure of the ascending colon

Upper endoscopy: in the antrum of the gastric along its greater curvature is the tumor size 4.0 x 2.5 cm. Tumor is bumpy, rocky density, with foci of necrosis under fibrin

CT: tumor of hepatic flexure of the colon with regional lymphadenopathy. Single hepatic metastases 2.5cm in S3-4.

CEA 28.65 ng/ml, CA 19-9 108.50 u/ml. No laboratory abnormalities.



Histological examination

(gastric): low-grade adenocarcinoma. Her2/neu 1+;

(colon): moderately differentiated mucinous adenocarcinoma. **BRAF V600E mut**, MSS phenotype;

(liver mets): mucinous adenocarcinoma intestinal-type.

Diagnosis:

Primary multiple malignancies

1) Gastric cancer. cT3NxM0.

2) Cancer of the hepatic flexure of the colon. cT3N+M1. BRAF V600E mut, MSS phenotype. Single liver metastases.

What to do?

1) Surgery up-front (hemicolectomy, gastrectomy or both?)

2) Chemotherapy up-front (FOLFOX, FLOT, FOLFOXIRI?)

TREATMENT



11.12.2018 was urgently operated due to ileus.

Laparotomy: no signs of dissemination in abdomen. Right-sided hemicolectomy performed.

Histological examination: Moderately differentiated mucinous adenocarcinoma.

The tumor penetrate the intestinal wall and the serous membrane, grows into the omentum. No perineural invasion detected.

In 1 of 11 lymph nodes metastasis. In omentum tumor deposit (mucinous adenocarcinoma). **pT4bN1M1(liver).**

TREATMENT AND EFFECT



1 months later (January, 2019)

Patient completely recovered from the surgery. ECOG1.

No signs of disease progression on CT (2.5x2.0cm in S3-4).

Treatment plan

4 cycles FOLFOXIRI → gastrectomy + liver resection → up to 8 cycles FOLFOX

Treatment (January – March, 2019)

2 cycles FOLFOXIRI - poor tolerability (prolonged neutropenia and diarrhea gr.3) and

2 cycles FOLFOX (no significant toxicity).

CHEMOTHERAPY EFFICACY

Objective evaluation (March-April 2019)

Decrease of tumor markers CEA 13.22 ng/ml, CA 19-9 49.72 U/ml

MRI identifies **two** metastases in the liver:

In S3-4 - 2.5 cm in diameter

In S6 1x0.8 cm - *was not determined by CT before chemotherapy. Highly likely metastases.*

CT-scan (comparing with January): no changes in S3-4, growth in S6 from 0.5 to 1cm.

Upper endoscopy: stabilization.

DYNAMICS BY CT AND MRI

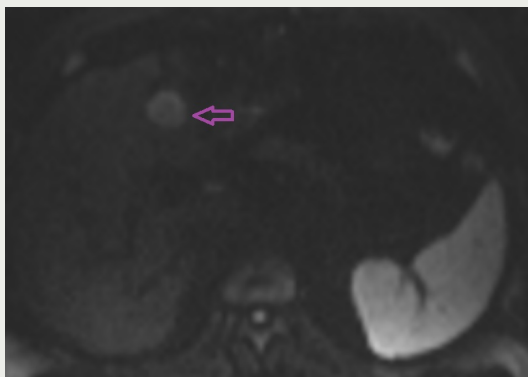
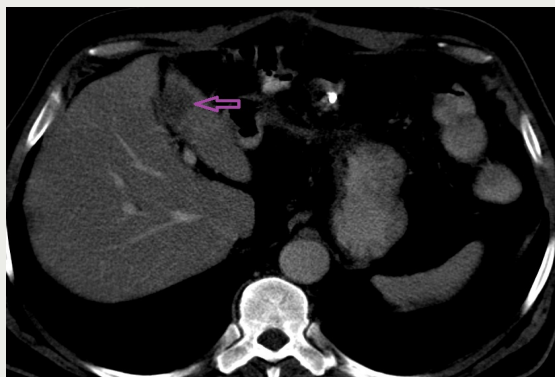


January 2019 CT

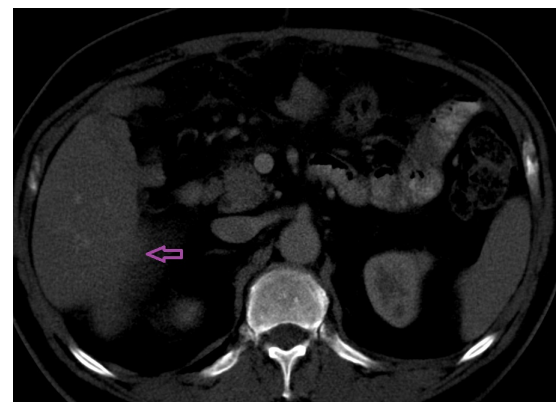
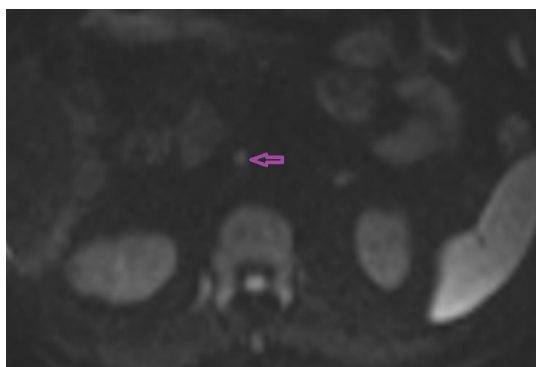
March 2019 MRI

April 2019 CT

SIII



SVI



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Upper endoscopy: stabilization.

What to do?

- 1) **Surgery up-front** (gastrectomy + hepatic resection)
- 2) **2-nd line therapy** (poorly tolerated and progressed (?) on irinotecan).
 - Irinotecan or FOLFIRI - for gastric,
 - IRI + BRAF TKI + anti-EGFR mAB – for mutBRAF colorectal mets)

ONGOING

24.04.2019 explorative laparotomy was performed.

- extensive peritoneal carcinomatosis

Histological examination - moderately differentiated adenocarcinoma. BRAF V600E mut

Second-line chemotherapy was recommended:

irinotecan 150 mg/m² every 2 weeks

cetuximab 500 mg/m² (or panitumumab 6 mg/kg) every 2 weeks

vemurafenib 960 mg BID continuously.