

The surgeon's point of view

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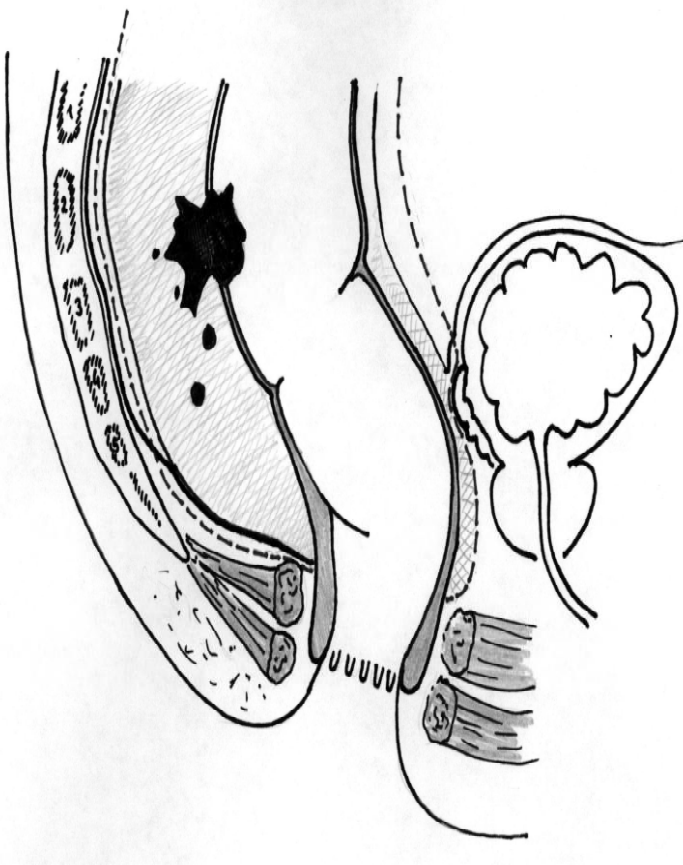
Cancer of the mid/upper rectum T3 EMVI +, CRM-, N+: treatment options

- Surgery
- Chemoradiation
- Chemotherapy

Cancer of the mid/upper rectum

T3 EMVI+, CRM -, N+

- Total mesorectal excision (TME)



Laparoscopic surgery for rectal cancer ?

- shorter incision
- becoming the reference treatment but need for specific surgical expertise
- hospital stay 1 day shorter.... (8 vs 9 days)*
- restoration of bowel function faster... (2vs3d)*
- surgical morbidity similar*
- long term oncologic results similar: COLOR II *
COREAN**

* Bonjer et al. NEJM , 2015; ** Park et al. ASCO 2017 abst 3518;

The future? Trans anal TME

TME-TRANSANALE

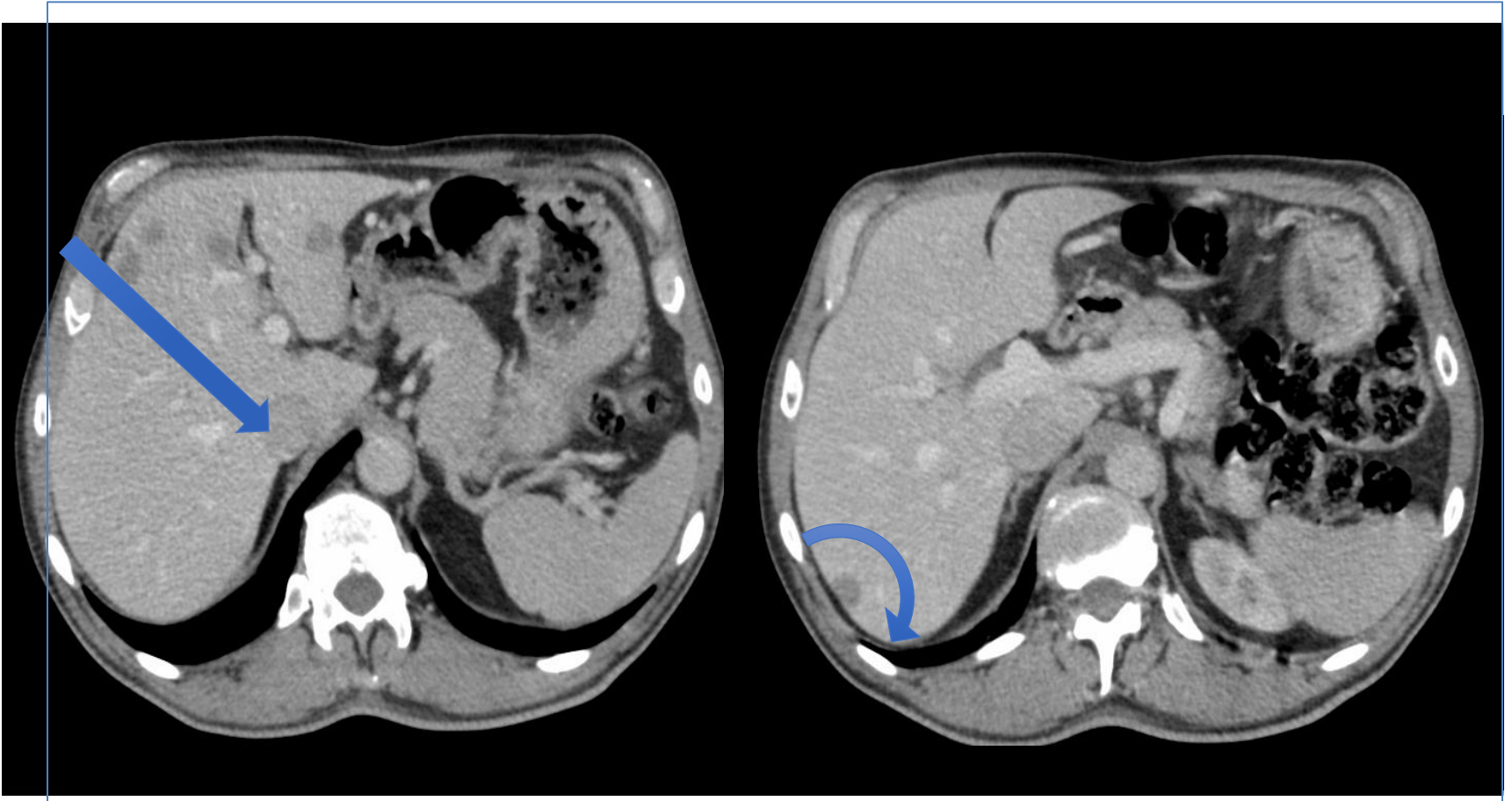


From L. Maggiori

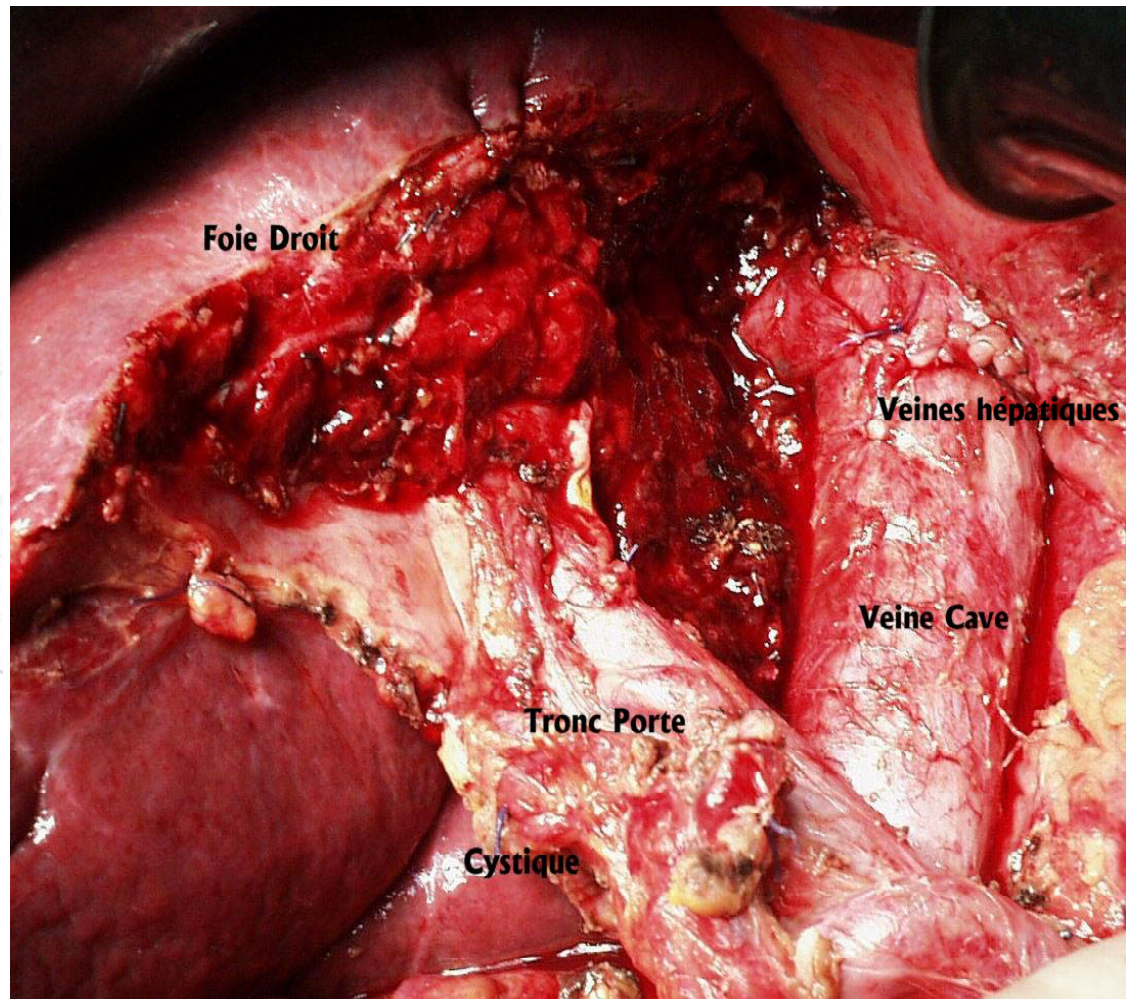
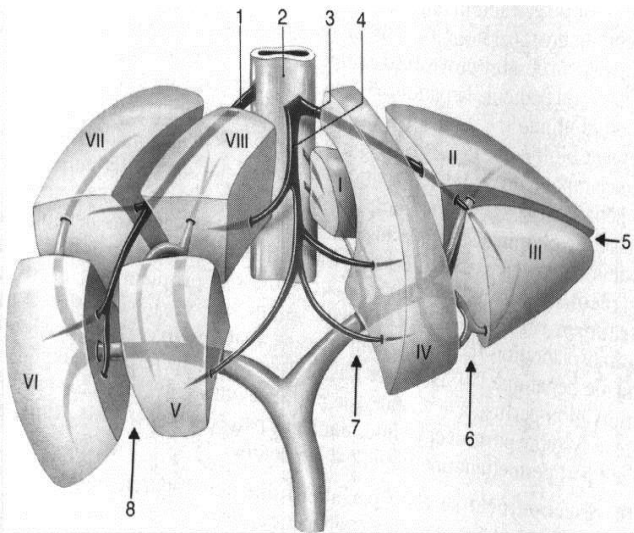
Surgery for resectable CRC liver metastases

- Surgery alone:
 - 5 y OS: 30 – 50 % according to risk factors,
 - 50% (EORTC 40983)
 - Cancer relapses: 2/3 patients (EORTC 40983)

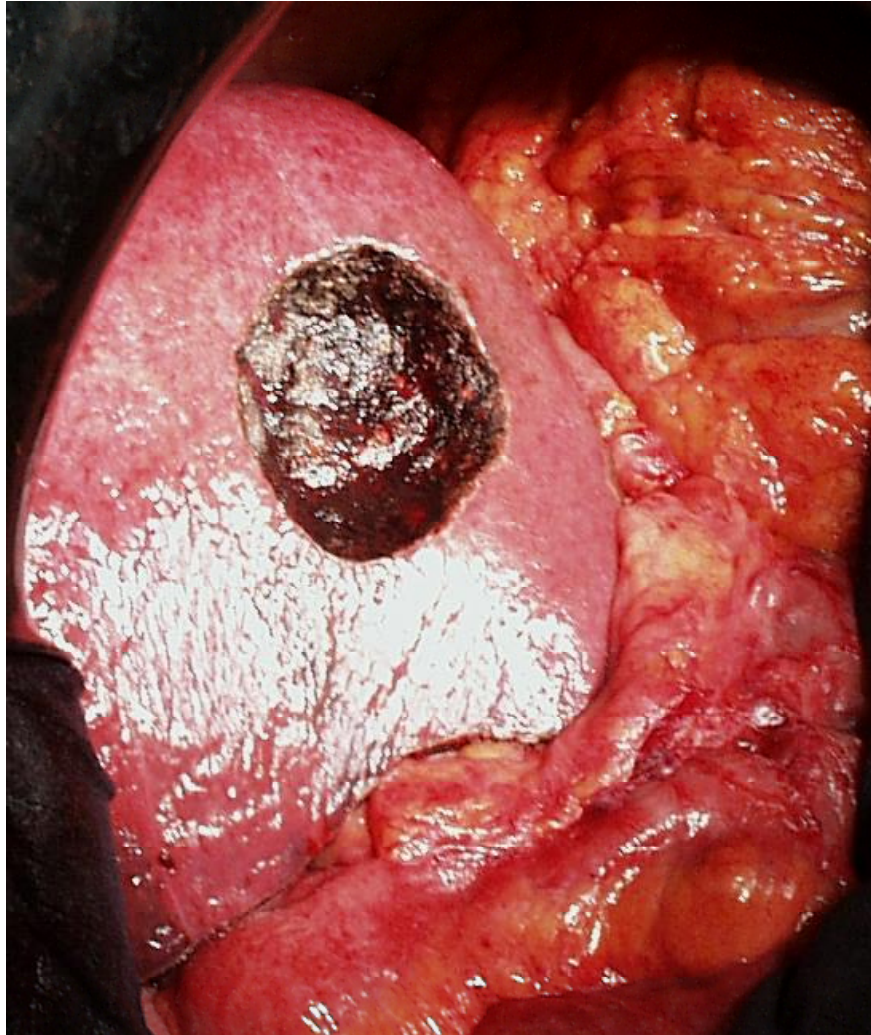
Clinical Case: left lobectomy, right wedge resection



Left lobectomy



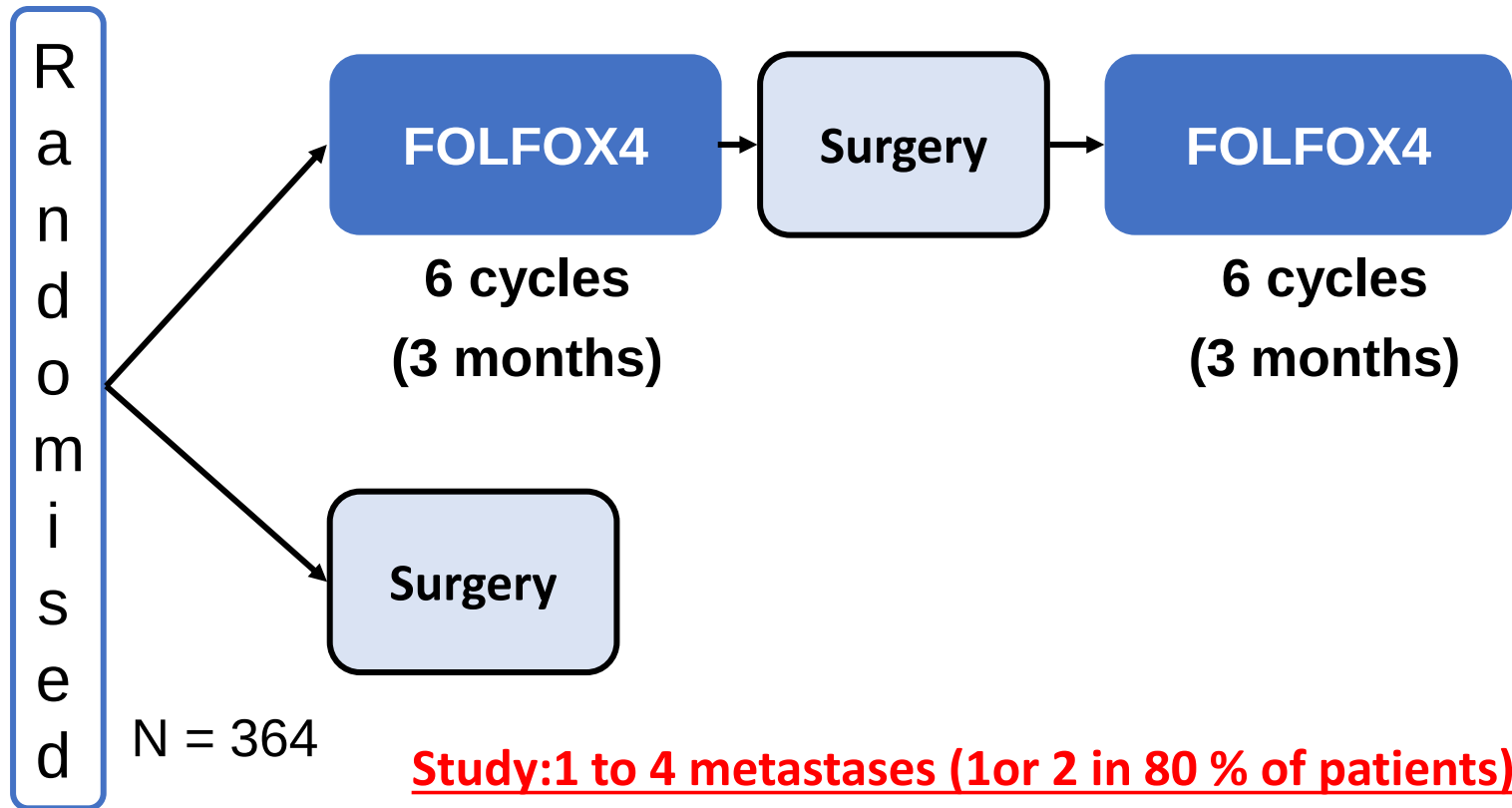
Wedge resection



Peri-operative Chemotherapy for CRC resectable liver metastases

EORTC 40983

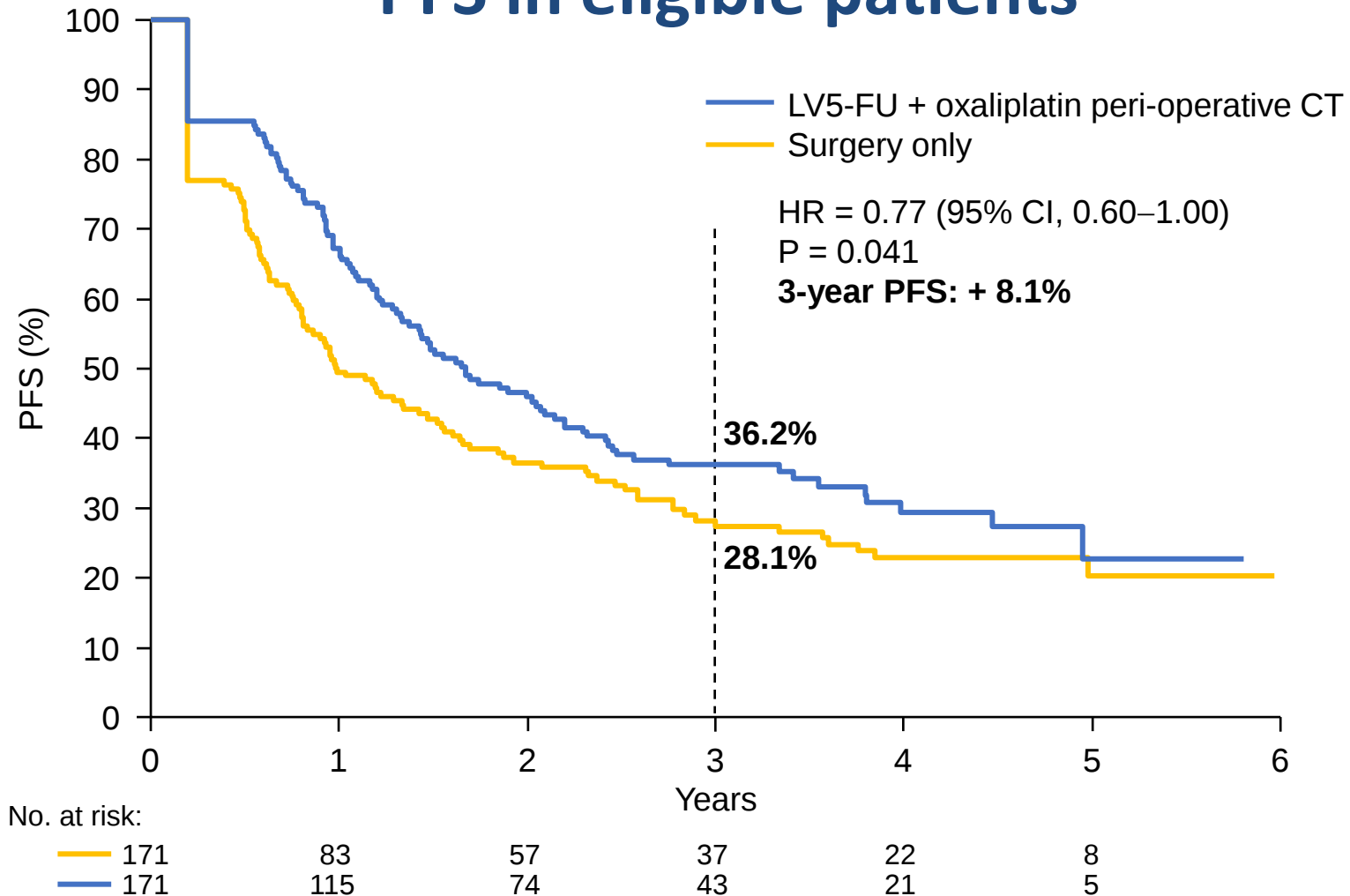
Peri-operative chemotherapy vs surgery alone



With CR UK, ALM CAO, AGITG, FFCD

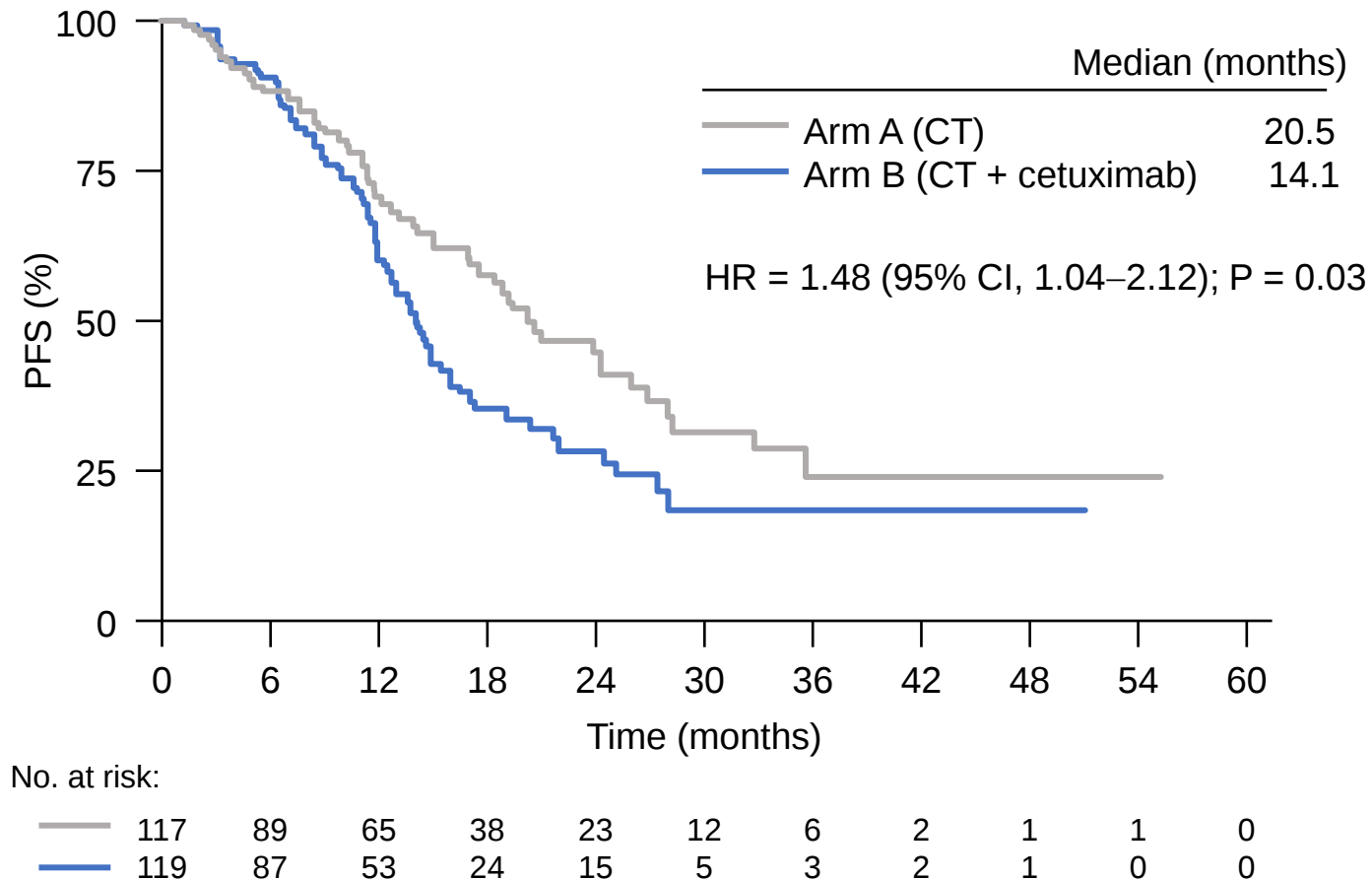
EORTC 40983 Peri-operative chemotherapy FOLFOX

PFS in eligible patients



New EPOC

PFS of all randomised WT *KRAS* patients (primary analysis)



Peri-operative chemotherapy

- EORTC 40983 is the only positive trial which demonstrates the superiority of combined treatment over surgery alone in resectable metastases
- Peri-operative FOLFOX is the reference treatment
- The benefit of combining biologics not demonstrated in this indication
- New trials are eagerly awaited, particularly for high risk metastases

High risk resectable metastases: new studies

- Adjuvant IV vs IA :(PACHA 01: ph II III;France) *
 - high risk resectable metastases:
 - IV FOLFOX vs LV5FU 2+ IA FOLFOX *
- Peri-op vs post-op(PEPCORLI China) **
 - resectable liver metastases
 - XELOX: 2 cycles before S + 4 after vs 6 cycles after S**
- Pre-op chemo+ surgery vs surgery alone: (CHARISMA, the Netherlands***
 - in high-risk resectable liver metastases

* ClinicalTrials.gov NCT02494973; ** ClinicalTrials.gov NCT02912052 ** BMC Cancer. 2015 Mar 26

Combining the
options for our clinical
case with
synchronous
metastases

Surgical options and the synchronous presentation

- **Rectum first (after chemo-radiation):**
 - pro: ideal for rectum
 - risk: metastases progress → unresectable
- **Liver first (after pre-op chemo):**
 - pro: ideal for liver metastases
 - risk: delays treatment of rectum, but primary T can also respond to FOLFOX
- **Simultaneous resections of rectum and liver**
 - pro: avoids delays
 - risk: increased morbidity if two simultaneous major resections; requires double expertise

Rectum first

- - RCT(50 Gy) xeloda → S rectum → chemo → S liver
- RCT(50 Gy) FOLFOX → S rectum → chemo → S liver
- RT(5x5 Gy) → S rectum → chemo → S liver
- FOLFOX + RT(5x5 Gy) → S rectum → chemo → S liv.
- FOLFOX + CRT (50 Gy) xeloda → S rectum → chemo → S liv.

Primary tumor resection first: studies

- Studies concern patients with **unresectable** metastases
- Some retrospective studies suggest a benefit of resecting primary colon or rectal first
- Ongoing Ph III trials: CLIMAT-PRODIGE 30 (France),
CAIRO 4 (The Netherlands), SYNCHRONOUS (Germany)

Liver first " the reverse approach" *

-Chemo → S. liver → RCT (50Gys+ xel) → S rect.

-Chemo → S. liver → RCT (50Gys+ FOLFOX) → S rect.

-Chemo → S. liver → RCT (5x5 Gys+ FOLFOX) → S rect.

-Chemo → S. liver → CT → S rect.

* Mentha G et al. *Br J Surg* 2006

Simultaneous resections of liver and rectum

- FOLFOX → combined surgery.
- RCT (50Gys+ FOLFOX) → combined surgery.
- RCT (5x5 Gys+ FOLFOX) → combined surgery
- not advisable in this clinical case: combined major liver and intestinal resections induce increased surgical morbidity) *,**

*Nordlinger, Jaeck , Cancer 1996; **Reddy SK et al. Ann SurgOncol 2007

Surgery for synchronous colorectal liver metastases and primary tumor

Approach	No Pts	Tumors No.	Mortality %	Cumulative Morbidity %	5y OS
Primary first	72	3	3	51	48%
Combined	43	1	5	47	55%
Liver first	27	4	0	31	39%
P value		.01, .001	NS	NS	NS

the different approaches appear similar for postoperative morbidity and control of cancer

Is there a need for adjuvant chemotherapy ?

Decision of the MDT

- **D. Arnold:**

Start with best **chemo** → **consider 5x5** (but likely without RT) → ask the surgeon how to proceed (liver or rectum first) → complete chemo (to 6 mos. total) → observe

- **F. Calvo:**

- **B. Nordlinger:**

start with chemo 3-4 cycles → **CRT 50Gys + FOLFOX** → **S rectum + wedge** right liver → +/- interval chemo → **S liver** left lobectomy → complete chemo