

Categorization of liver limited mCRC and its approaches (neoadjuvant, conversion, palliative)

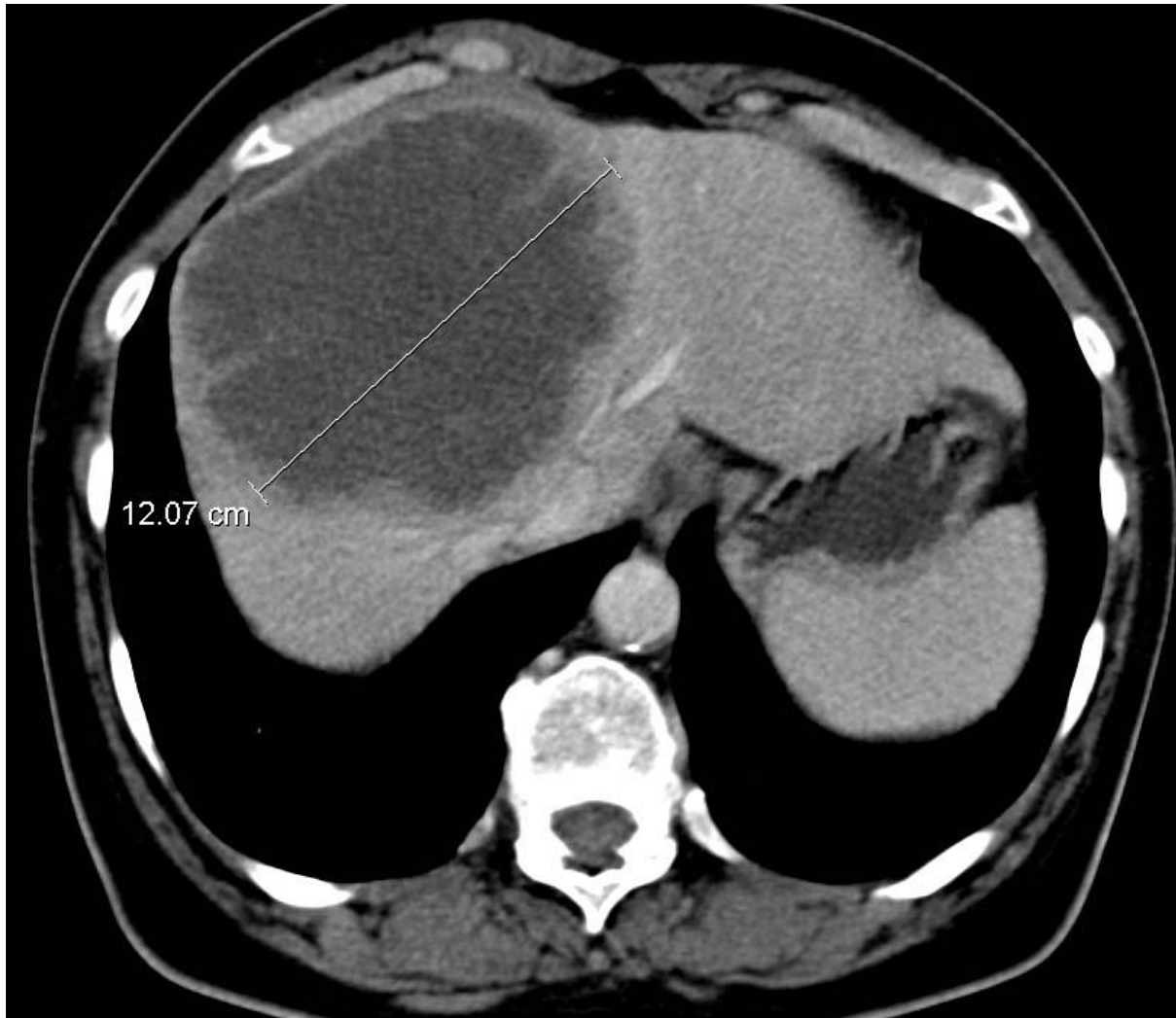
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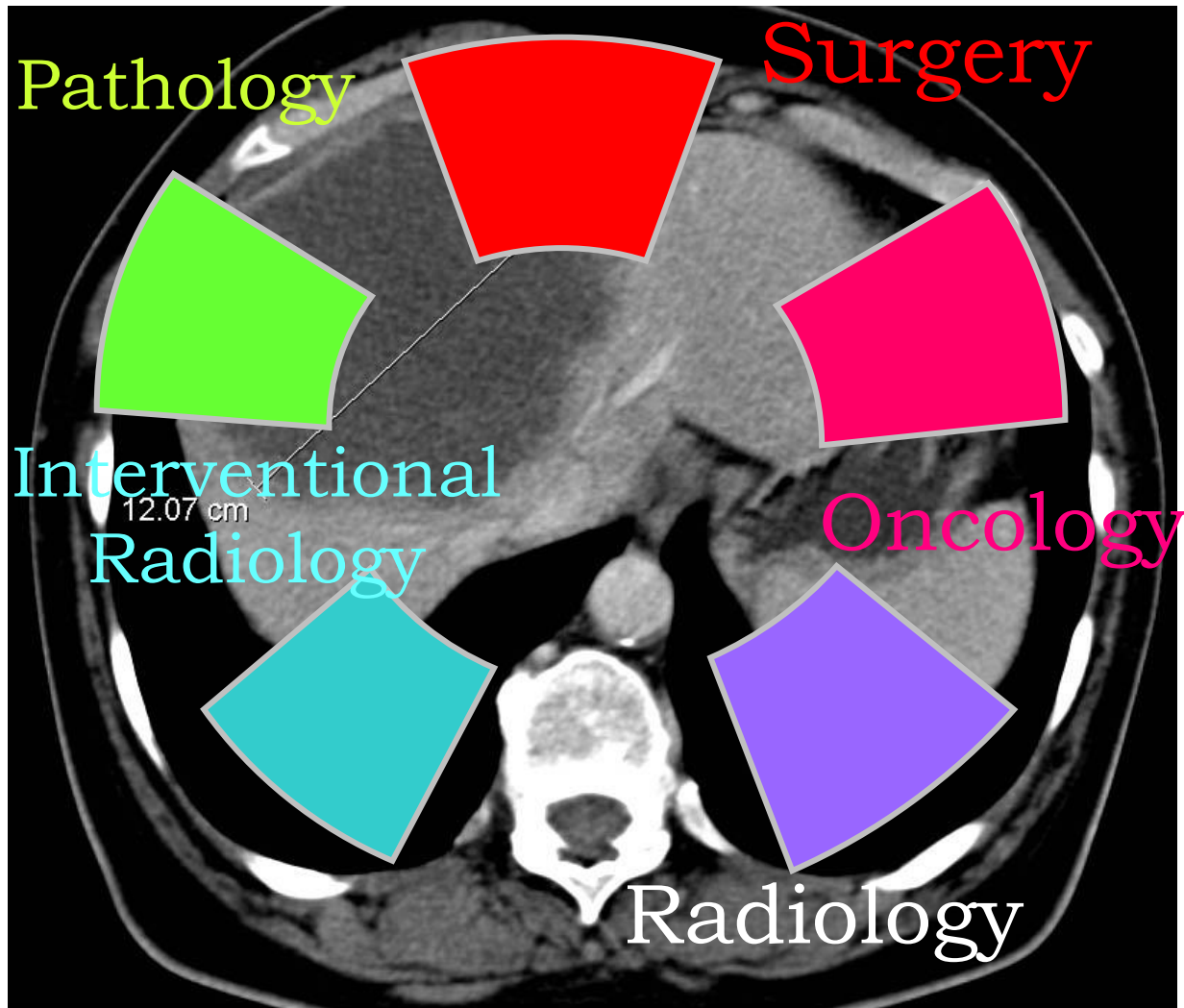
Research funding, speakers Bureau,
Advisory role:

- Roche
- Merck-Serono
- Bayer
- Sanofi-Aventis
- Amgen

Requirements



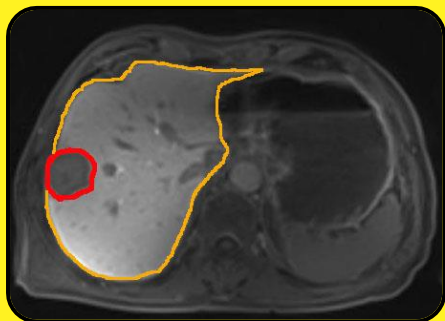
Requirements



**The
MDT
meeting**

Upfront resectable (10%)

- Sufficient remnant liver (30% of healthy liver volume)
- Possibility of upfront R0 resection



Neoadjuvant Therapy

Borderline resectable (20%)

- Requirement of tumour downsizing to achieve resectability
- Invasion or contact of metastases with preservable vascular structures



Conversion Therapy

Unresectable (70%)

- Multiple disease sites
- All liver segments infiltrated by metastases
- Poor patient performance status

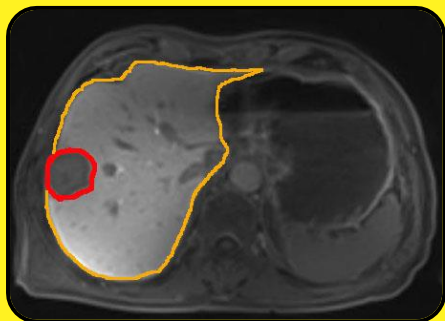


Palliative Therapy

Assessment of individual cases by multidisciplinary teams (MDTs) is critical

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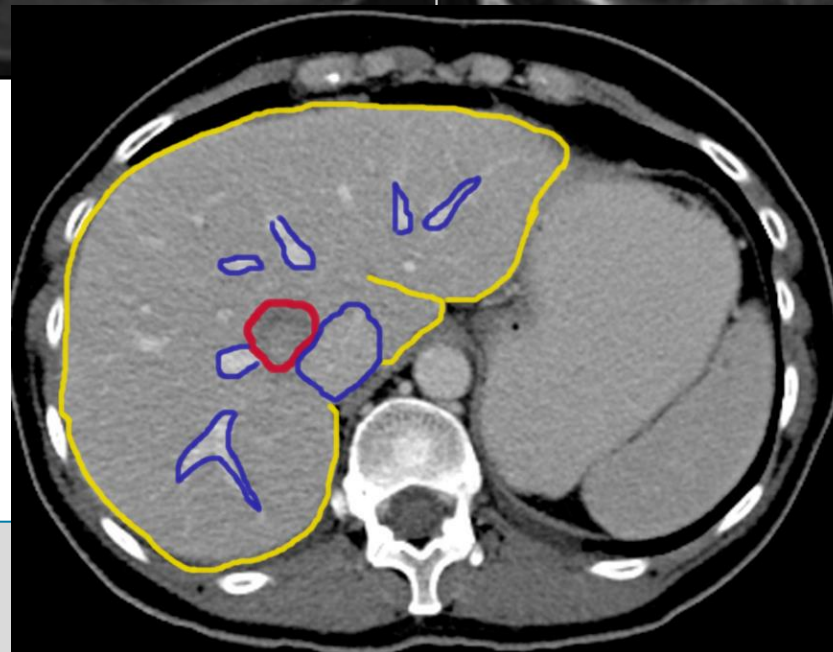
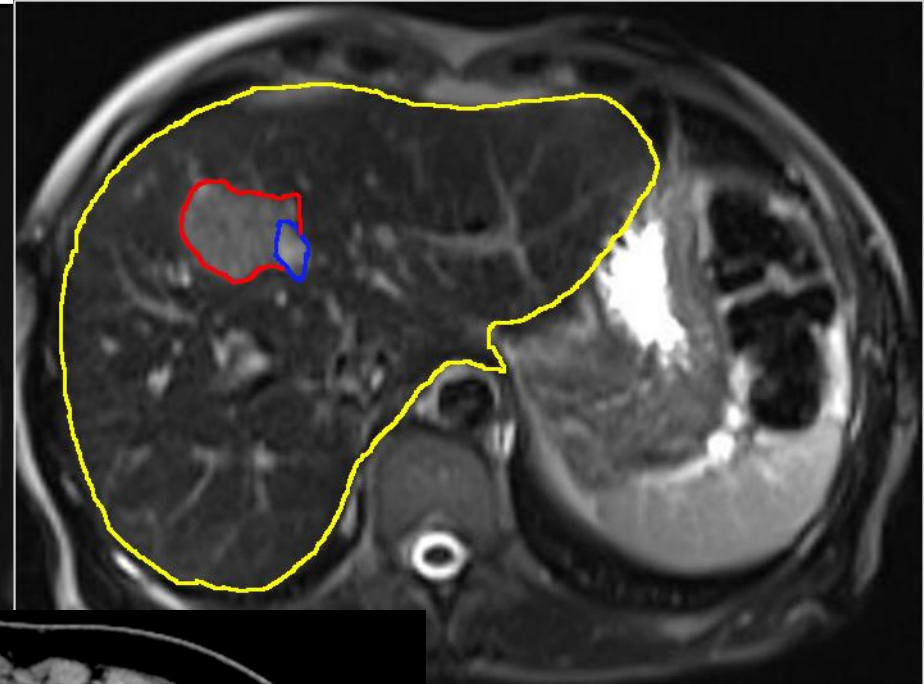
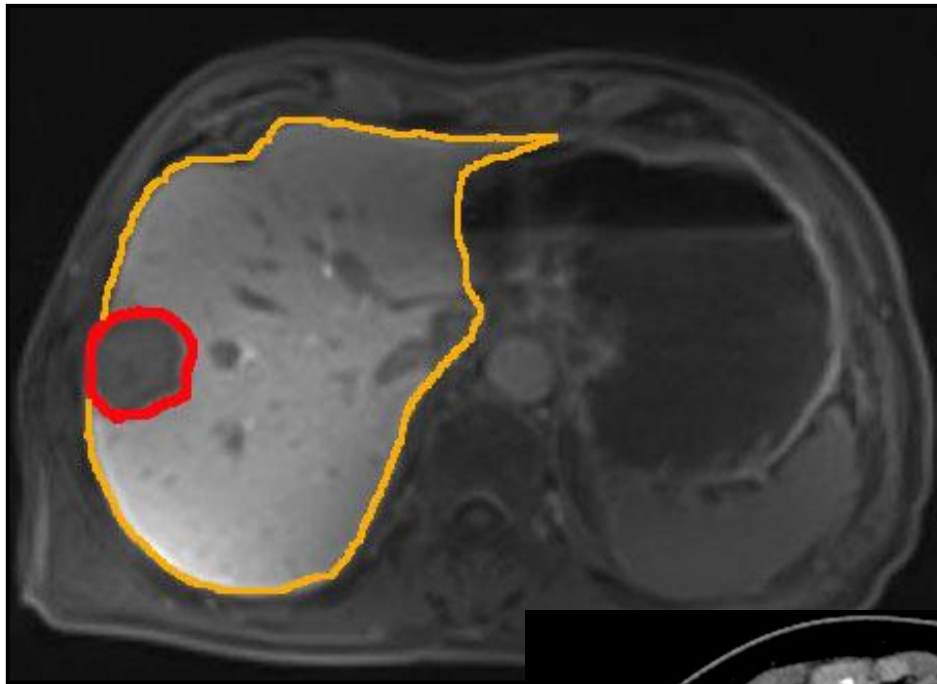


Palliative Therapy

Assessment of individual cases by multidisciplinary teams (MDTs) is critical

- How can we best agree upon resectability
- What place do biologics have in the neoadjuvant/conversion setting
- Which treatment combination leads to the best ORR
- How long should we treat prior to attempted surgery
- Value of radiological compared to pathological response
- How should we evaluate liver function and liver damage
- What should we do with the primary in synchronous mCRC
- Who is the ideal candidate for a potential curative approach

Upfront resectable CRLM

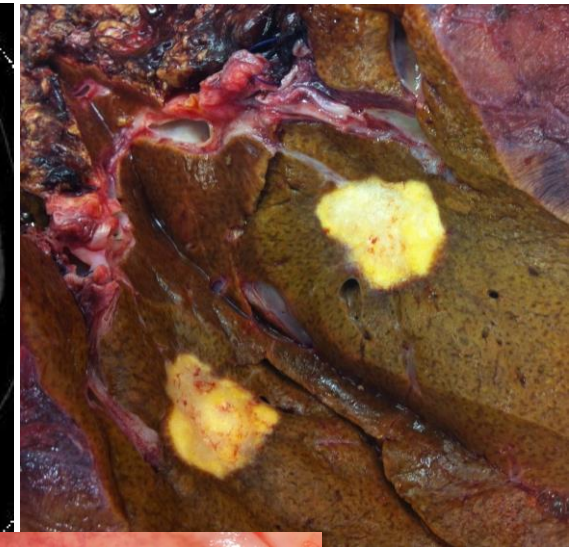


Study	CTx	n	ORR, (%)	LR rate (%)	mPFS (mts)	mOS (mts)
EORTC 40983 ¹	FOLFOX 4 vs Surgery alone	364	43	83 vs 84	20 vs 12 (0.041)	64 vs 55
New EPOC ²	FOLFOX6+ Cetuximab vs FOLFOX6	260	70 vs 62	87 vs 93	14 vs 21 (0.030)	39 vs n.r.
BOS ³	FOLFOX+C etux vs FOLFOX+C etux+Bev	43	68 vs 57	91 vs 76	15 vs 14	n.r. vs 48

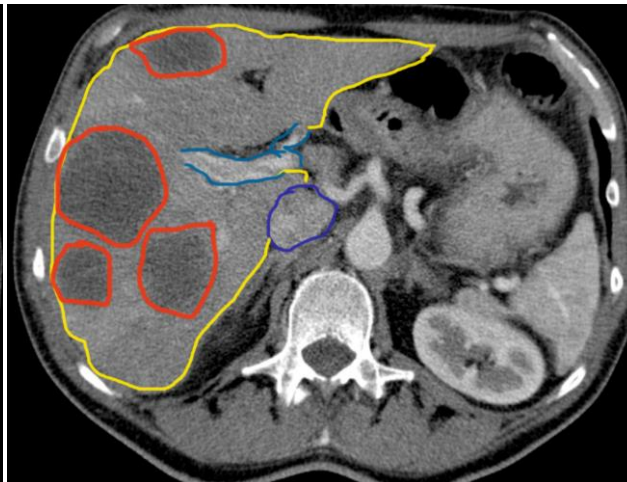
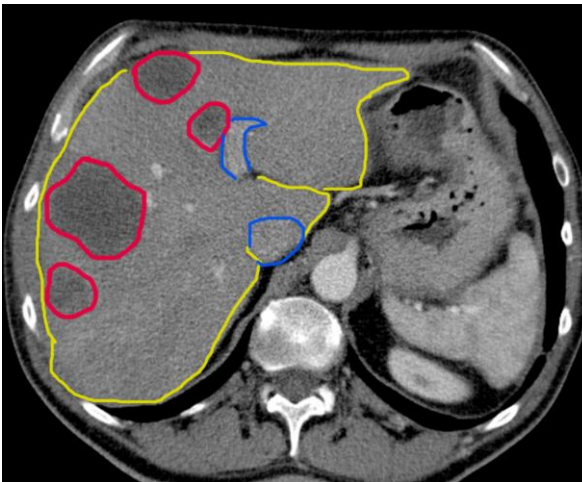
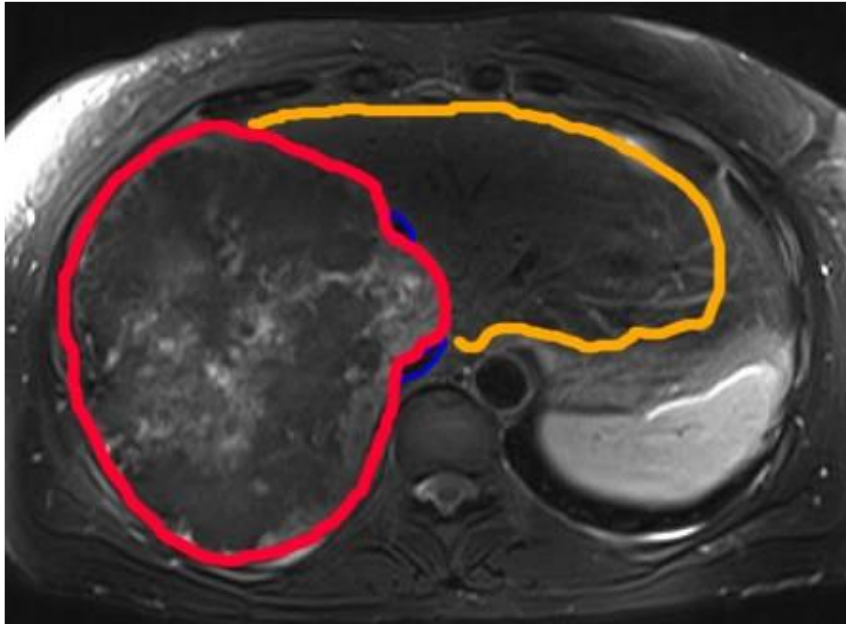
- 58a female, ECOG 0
 - Diagnosis of mCRC during follow-up of her known liver haemangiomas
 - 3 right sided CRLM, asymptomatic primary; CEA 7



- 58a female, ECOG 0
 - Neoadjuvant Xelox + Bevacizumab over 2 months
 - Radiologic PR; CEA 2; pathologic MhR

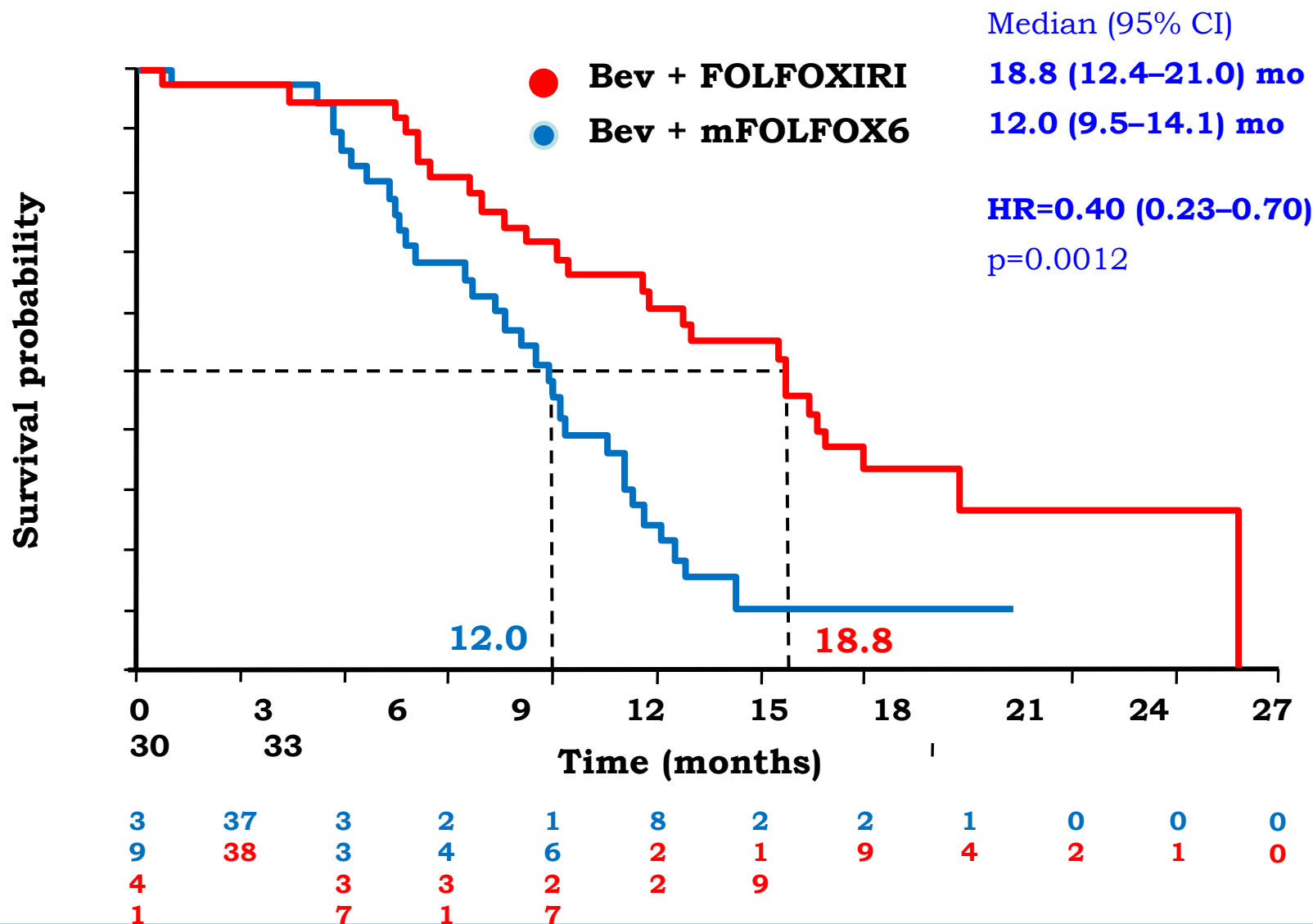


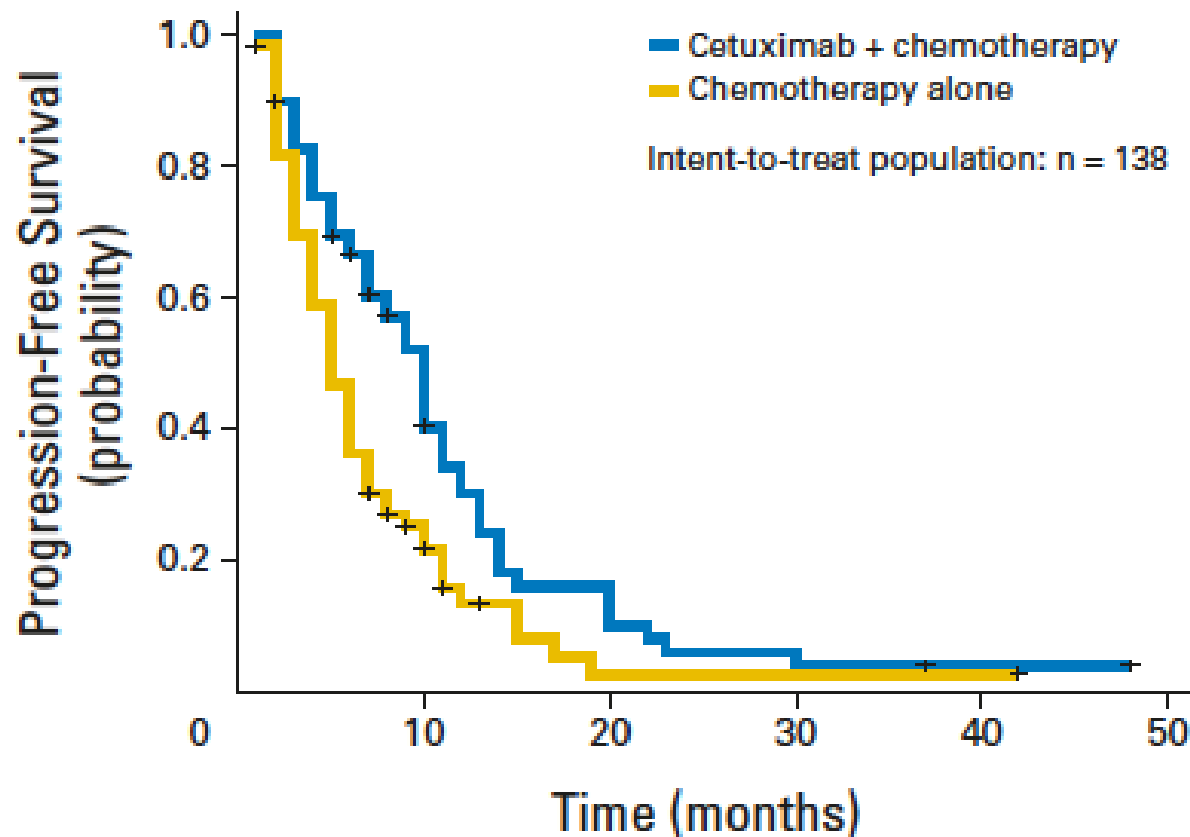
Borderline resectable CRLM



Study	CTx	Controlled study	n	RR, (%)	liver resection rate, (%)
Vie-LM-Bev ¹	Xelox + Bevacizumab	No	56	73	93
GONO ²	Folfoxiri + Bevacizumab	No	30	80	40
Boxer ³	Xelox + Bevacizumab	No	45	78	40
Olivia ⁴	Folfoxiri + Bev vs Folfox + Bev	yes	80	81 vs 62	49 vs 23 (R0)
CELIM ⁵	FOLFOX6/FOLFI RI + Cetuximab	No	106	70	33
POCHER ⁶	Chrono-IFLO + Cetuximab	No	43	79	60
Ye ⁷	Folfiri/Ox +/- Cetux	yes	116	57 vs 29	26 vs 7 (R0)

Progressions-free survival: ITT





Median (95% CI)

10.2 (8.6–11.4) mo

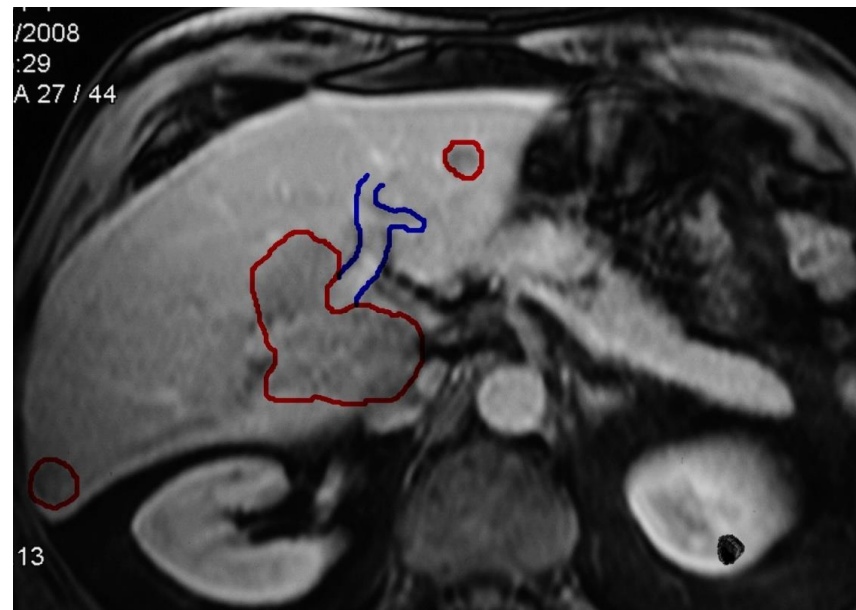
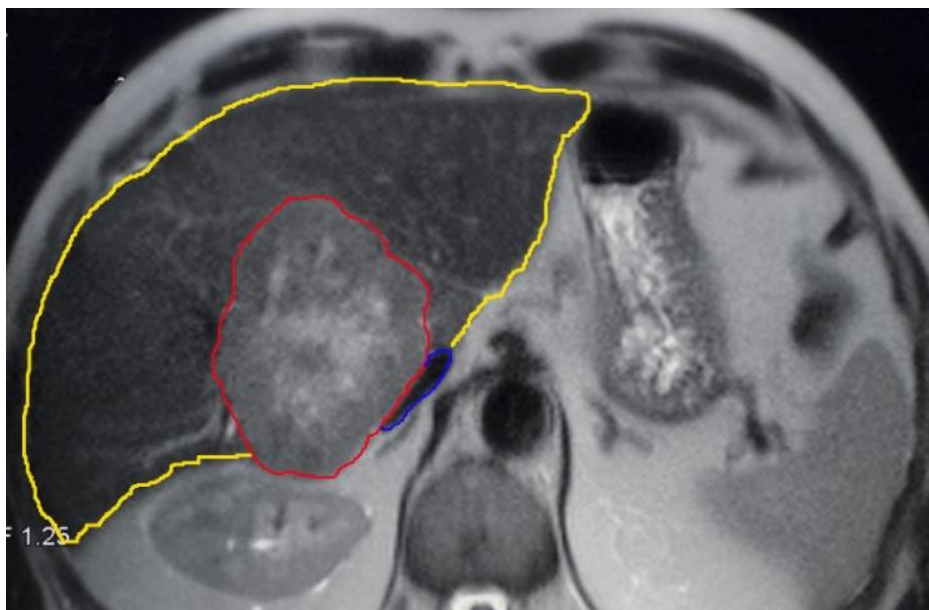
5.8 (3.9–6.1) mo

HR=0.60 (0.41–0.87)

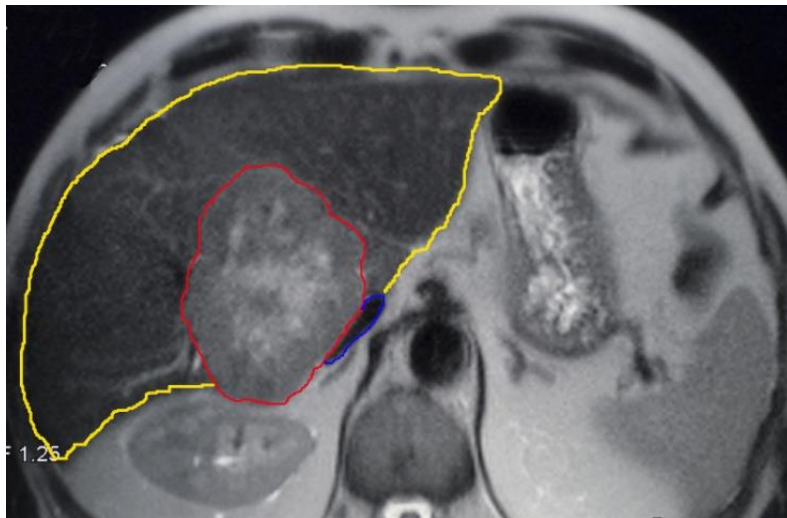
p=0.004

No. at risk						
Cetuximab + chemotherapy	70	31	8	3	1	0
Chemotherapy alone	68	14	1	1	1	0

- 62a male, ECOG 0
 - Diagnosis of metachronous initially borderline resectable CRLM (LLD)
 - 1 central CRLM, 1 additional lesions in each lobe ; CEA 143



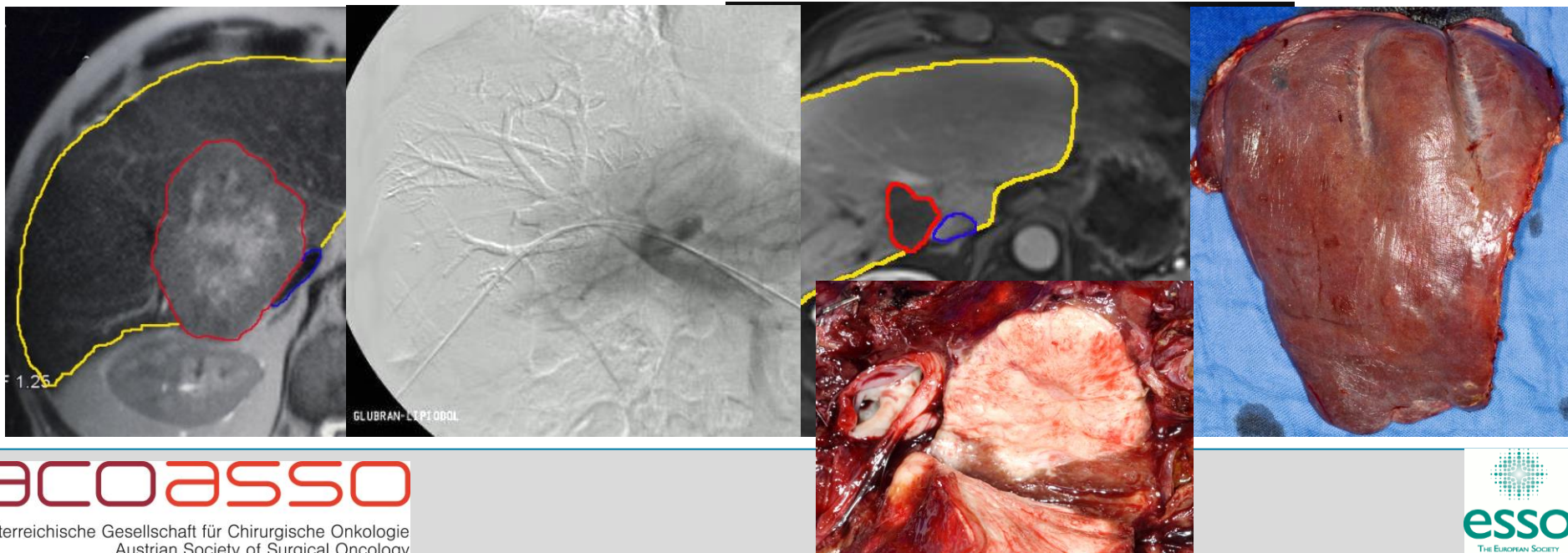
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 - 3 months FOLFOXIRI + Bevacizumab with rad PR
 - rPVE, extended r hemihepatectomy
 - Pathological complete response (0% viable tumor cells)



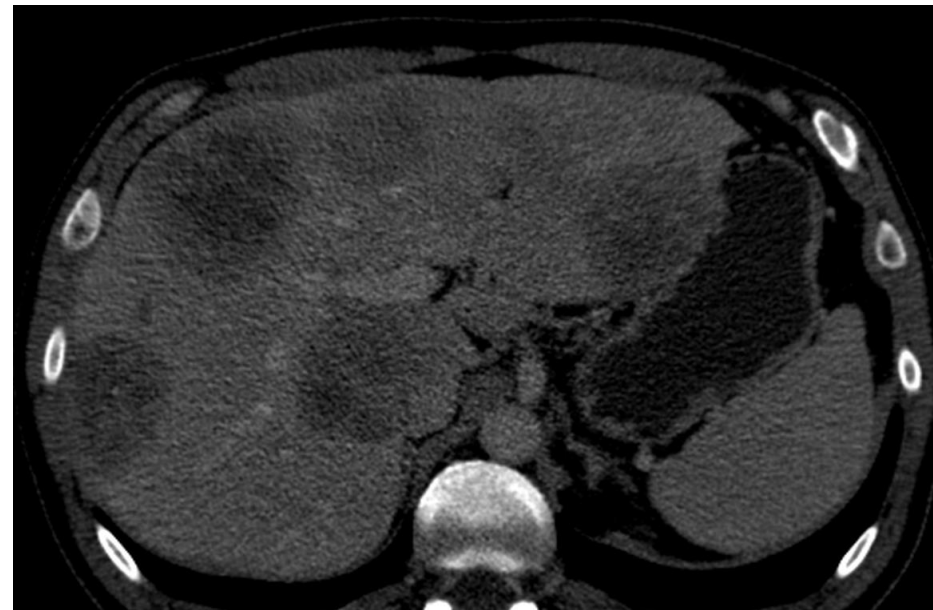
Unresectable CRLM

07 px Wert: -1024.00
mm Y: 63.85 mm Z: -302.50 mm



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CALGB 80405 ¹	FOLFOX/FOLFIRI +Cetux vs FOLFOX/FOLFIRI +Bev	1137 <i>(Kras only)</i>	?	12%	10 vs 11	30 vs 29 (0.34)
FIRE 3 ²	FOLFIRI +Cetux vs FOLFIRI+Bev	342	66 vs 60	?	10 vs 10	33 vs 26
TRIBE ³	FOLFOXIRI+Bev vs FOLFIRI +Bev	129	65 vs 53 (ITT)	?	13 vs 11	42 vs 34

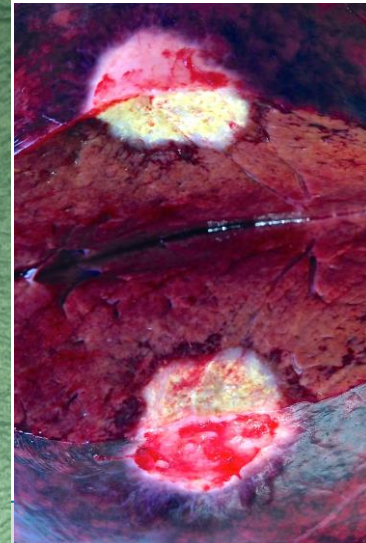
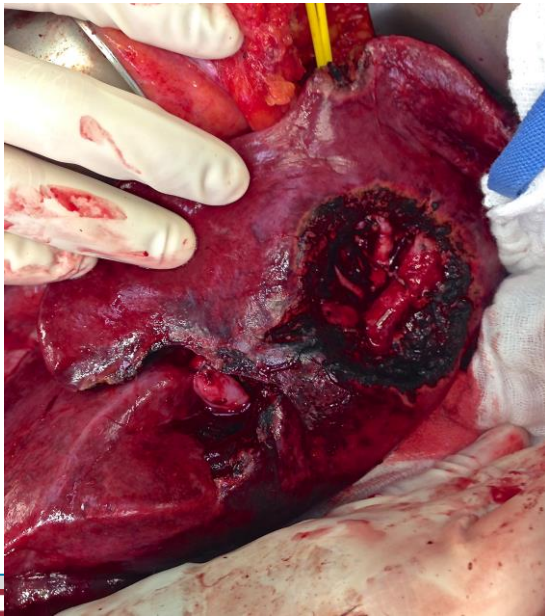
- 45a male, ECOG 0
 - Diagnosis of synchronous unresectable mCRC 12/13 (Ras, Braf wt)



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 - 4 months FOLFOX + Panitumumab with rad PR



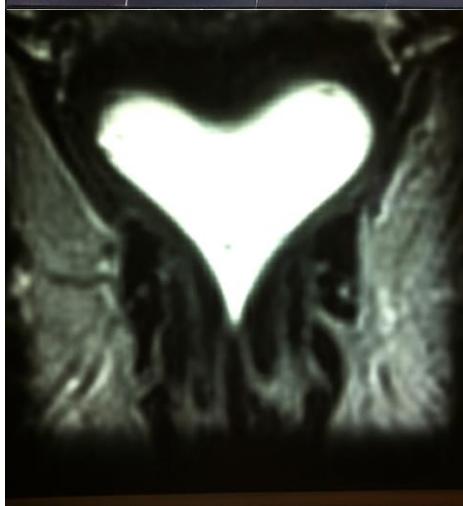
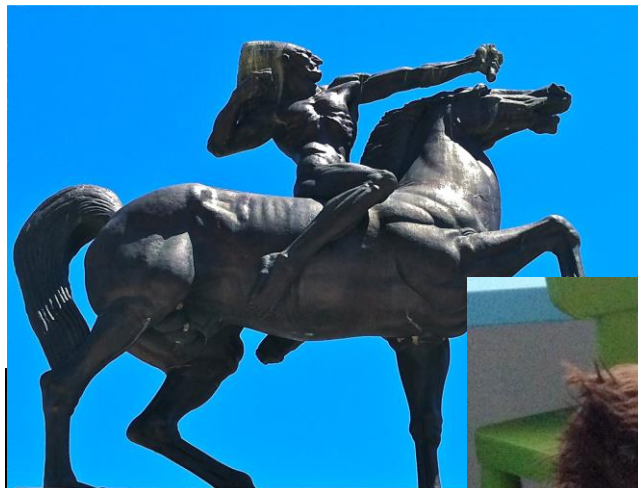
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 - extended r hemihepatectomy, atypical resections left lobe



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 - extended r hemihepatectomy, atypical resections left lobe
 - Pathological partial response (10-50% viable tumor cells)
 - Anterior resection after 4 wks (pT3, pN1 (1/50), G2, L1, V1)

Summary

- Multidisciplinary process and decision-making is essential in mCRC setting
- General agreement upon resectability criteria
- Definition of treatment aim during MDT meeting
- Regular follow-up and rediscussion (e.g. 2 months)
- Surgical intervention: planned, intentional, accidental
- Important NEW issues: pathological assessment of response; avoidance of normal liver tissue damage
- The majority of patients with mCRC require long-term disease control
- Improved survival in patients undergoing secondary resection with curative intent



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Österreichische Gesellschaft für Chirurgische Onkologie
Austrian Society of Surgical Oncology