

Het onderste uit de kan...

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conflicts of interest: geen





Salvage surgery



X-ray 300407









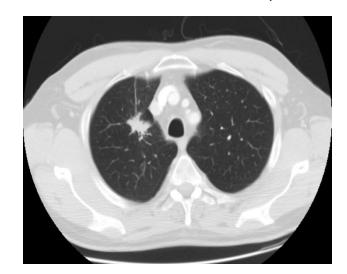


CT 281106



chest CT 0807: partial response, stable disease

CT 130807









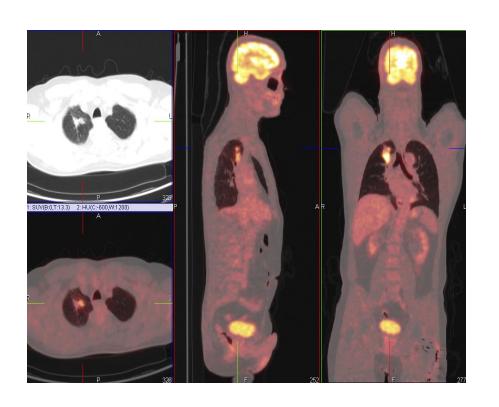
chest CT 1207: progressive disease (locally)

CT 101207









PET 191207

- · PET: only RUL +
- · 210108 salvage surgery: lobectomy RUL
- · pT1N1 R0
- postop.complication: wound infection Staph. aureus
- · 2021: NED

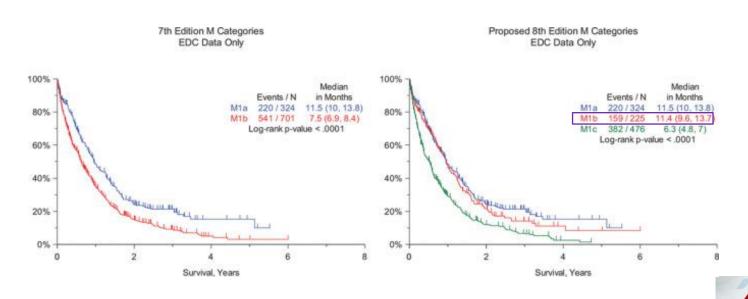




M₁b

CRAB prospective database – electronic data capture (EDC)

M1b: single metastasis – single organ



Eberhardt W et al. J Thorac Oncol 2015;10:1515-22



Oligometastatic disease Is there a role for surgery?

- EORTC consensus report
- clinical studies
- ESMO clinical practice guidelines
- conclusions





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EORTC task force OMD



- EORTC consensus meeting 23/01/18 synchronous oligometastatic disease (OMD)
- low level evidence (survey): consensus instead of definition
- prospective data collection / clinical trials
- "common language"
- not suggesting how to treat patients
- consensus > 75% agree





EORTC task force OMD



Is number of organs involved important?

Survey 80% yes

Maximum number of organs with metastases excluding primary?

Survey variation ++
Proposal maximum 5 mets and 3 organs





EORTC task force OMD



Are specific organs involved with metastases important?

Survey yes 73%

Which organs would you *not* involve in your definition of OMD-NSCLC?

Exclude diffuse serosal metastases for meningeal, pericardial, pleural, mesenterial metastases and bone marrow

Special sites: brain and adrenal? publication bias?





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Oligometastases: predictive factors

Meta-analysis

- individual patient data meta-analysis 757 pts
- 1-5 synchronous or metachronous mets
- 3 risk groups:

> low metachronous

intermediate synchronous and N0high synchronous and N+

- adequate lymph node staging required!
- surgery: complete R0 resection





- multicentre, randomised phase II study
- 3 hospitals
- inclusion criteria:
 - stage IV NSCLC
 - ≥ 3 metastatic lesions after standard first-line systemic therapy
 - ECOG PS ≤ 2
 - > no progressive disease





25 pts → local consolidation 49 pts 24pts → maintenance treatment

- > local R/ surgery, radiotherapy or combination
- maintenance: predefined list of approved regimens (EGFR, ALK) or observation

1ary endpoint : PFS

2ary endpoints: OS, safety, tolerability, QOL, TTP, time to appearance of new lesions





Metastatic location by patient (total 52)

>	brain	13
>	bone	10
>	adrenal gland	8
>	pleura	7
	metastatic lung lesion	6
>	cervical lymph nodes	4
>	liver	2
>	spleen	2





median FU 12.4 mos

median PFS
 11.9 mos local consolidation

3.9 mos maintenance

HR 0.35 p=.005

• 1-year PFS 48% local consolidation

20% maintenance

time to appearance of new lesion:

11.9 mos local consolidation

5.7 mos maintenance p=.0497



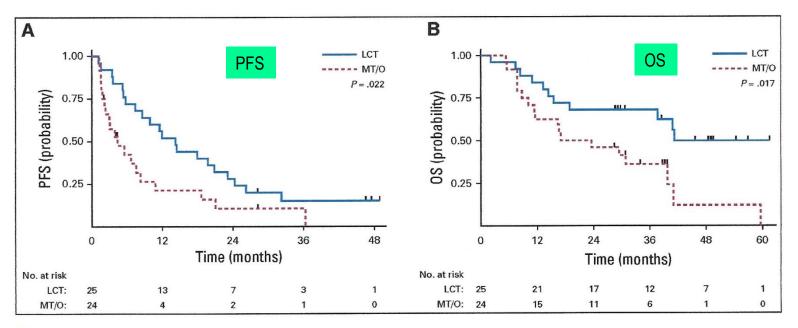


FIG 1. (A) Progression-free survival (PFS) and (B) overall survival (OS) in patients given local consolidative therapy (LCT) or maintenance therapy or observation (MT/O) for oligometastatic non-small-cell lung cancer.

Interpreting the Data for Local Consolidative Therapy in Oligometastatic Disease: Where do we Stand?

Shifting the Oligometastatic Paradigm – Treatment of Patients with the "Four Aces"

Table 2. Major prognostic factors for patients with oligometastatic cancers evident across multiple studies, colloquially termed the "four aces"

Prognostic factor	Common definitions		
Young age	Usually defined as <65 or <70, or analyzed		
	as a continuous variable		
Patient fitness	Karnofsky performance status ≥70		
Slow-growing cancers	Metachronous presentation of oligometastases		
	Longer disease-free interval between		
	original tumor and		
Minimal disease burden	Presence of fewer metastatic sites		
	Single-organ oligometastases		
	Lack of extracranial disease		

Gomez D. WCLC 19 ES 21.03



Pulmonary resection – oligometastatic lung cancer

- single centre, cT1-3N0-2M1 NSCLC
- period 2000-2017 ≤ 3 synchronous metastases
- local consolidative therapy (LCT) 1ary lesion (surgery, RT)
- 88 pts: 63 (71.6%) radiotherapy 25 (28.4%) surgery for 1ary lesion lobectomy 80%, pneumonectomy 12%, sublobar 8%
- surgical pts. younger, ↓ intrathoracic disease burden
- 90-day † surgery 0% radiotherapy 1.6%





Pulmonary resection – oligometastatic lung cancer

	MST	1-year survival	5-year survival	_
surgery	55.2 mos	95.7%	48.0%	△ disease extent
RT	23.4 mos	74.3%	24.2%	

- no △ in site of first failure, locoregional failures
- pulmonary resection feasible in synchronous oligometastatic NSCLC
- surgery remains a LCT option which should be further considered in clinical trials





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ESMO Clinical Practice Guidelines 2019

- 1-3 synchronous metastases: long-term DFS may be obtained after systemic therapy and local consolidative therapy — inclusion in clinical trials preferred
- limited metachronous metastases: long-term DFS may be obtained after radical local treatment – inclusion in clinical trials preferred
- solitary lesions in contralateral lung: most cases are synchronous 2nd primary tumours – to be treated with curative-intent therapy





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Oligometastatic disease Is there a role for surgery? Conclusions

- oligometastatic disease: relatively new entity M1b
- every patient to be discussed in MDT
- site of oligometastatic disease: insufficient data, publication bias towards brain, adrenal gland mets
- systemic therapy and local consolidative therapy (high-dose radiotherapy or surgery) may provide long-term DFS and OS
- lung resection: lymph node dissection, complete resection
- prospective data needed (IASLC database EDC)
- inclusion in clinical trials preferred





Havenhuis ontwerp Zaha Hadid Port of Antwerp



