

DEFINITION 1

Salvage surgery may be defined as surgical resection after definitive medical treatment to improve patient survival in absence of other treatment options

Kuzmik et al European Journal of Cardio-Thoracic Surgery 2013

DEFINITION 2

Salvage surgery may be considered an extension of surgery to achieve cure when nothing seems possible

That is called EXTENDED RESECTION

WHEN

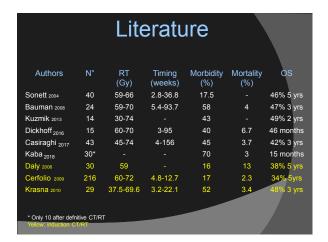
- Lung cancer recurrence/persistance following definitive chemo-radiation therapy
- Resection for chronic persistent disease after biological treatment
- Progression after induction therapy?
- Emergency?

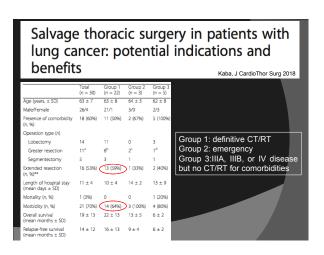
SALVAGE SURGERY AFTER DEFINITIVE CHEMORADIOTHERAPY

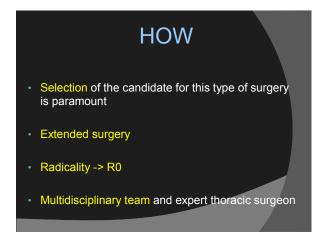
- Following definitive chemoradiation therapy, 24–35% of patients with locally advanced NSCLC have recurrence
- Surgical resection for lung cancer recurrence following definitive chemoradiation may be considered to improve patient survival → salvage surgery
- The role of salvage resection remains poorly defined and associated with high morbidity and mortality

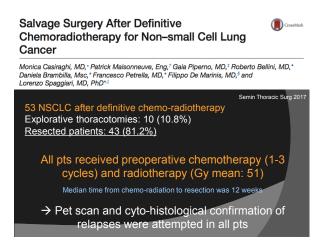
WHAT IS DEFINITIVE CHEMORADIOTHERAPY?

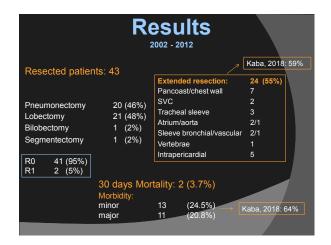
- Radiotherapy > 59 Gy
- Surgery after definitive CT/RT > 12 weeks
- No planned surgery
- · No trimodality treatment

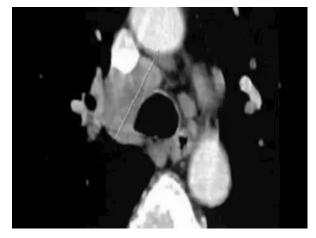


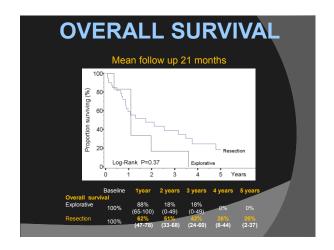


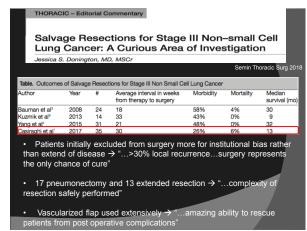




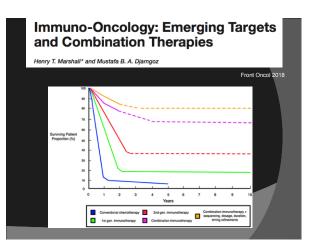


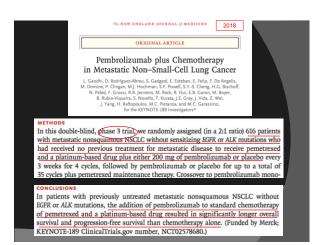












Immunotherapeutics in the form of checkpoint inhibitors have dramatically altered the treatment of stage IV disease and are now being moved in to trials in stage III. They may significantly impact the treatment landscape before, after, or in lieu of surgery.

Tecemotide in unresectable stage III non-small-cell lung cancer in the phase III START study: updated overall survival and biomarker analyses

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Background: Tecemotide is a MUC1-antigen-specific cancer immunotherapy. The phase III START study did not meet its primary end point but reported notable survival benefit with tecemotide versus placebo in an exploratory analysis of the

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Patients and methods: STAPT recruited patients who did not progress following frontline chemoradiotherapy for unrespectable stage if non-enal-cell turng carbor. We present updated oweral survival (OS) data and exploratory analyses of

OS for baseline biomarkers: soluble MCT (sMUCT), antinuclear antibodies (MNA), neutrohillymphocyte rato (NLE), ymphocyte count, and HLA type.

Results: Updact OS data are consistent with the primary analysis: median 25.8 months (secondoide) versus 22.4 months (placebol (HR 0.89, 95% Ci 0.77-1.00, P = 0.111), with ~20 months additional median follow-up time compared with the primary analysis. Exploratory analysis of the predefined subgroup treated with concurrent chemoradicherapy revealed clinically relevant prolonged OS with tecomotice versus placebo (29.4 versus 20.8 months; HR 0.81, 95% CI 0.86-0.98, P-0.026). No Incorporement was server with sequeration chemoradicherapy, High SWICT and ANA correlated with a possible survival benefit with tecomoticle (interaction P=0.0085 and 0.0022) and might have future value as biomarkers. interactions between lymphocyte count, NLR, or prespecified HLA alleles and treatment effect were not observed. Conclusion: Updated OS data support potential treatment benefit with tecemotide in patients treated with concurrent che-moradiotherapy. Exploratory biomarker analyses suggest that elevated sMUC1 or ANA levels correlate with tecemotide

Conclusions

- Salvage pulmonary resection is a viable option to improve survival in the setting of recurrent lung cancer after chemoradiotherapy
- Extended resections after chemoradiotherapy are feasible but it is still challenging; the selection of the candidate is paramount considering the high morbidity and mortality
- No surgery if disease progressive after induction therapy

