

MALIGNANT PLEURAL MESOTHELIOMA

HIGH NEED FOR NEW TREATMENT APPROACHES



Surgery

Only 10% of patients suitable for resection

Technically challenging due to location

Diagnosis often too late for surgery

Radiotherapy

Rarely effective due to tumor shape

Shape of tumors make them hard to target

Mainly palliative care





Chemotherapy

Standard of care (SoC) has limited efficacy

Only approved SoC option is pemetrexed/cisplatin

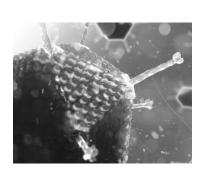
6 month PFS and 12 month median OS in 1st line

Immunotherapy

Mixed signals from early IO trials

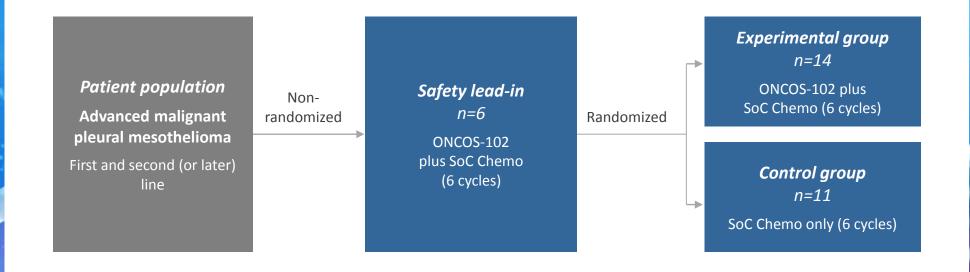
CPIs included in NCCN guidelines as 2nd line option

No/few other oncolytic viruses in development





ONCOS-102 MESOTHELIOMA PHASE I/II TRIAL IN COMBINATION WITH CHEMO STUDY DESIGN

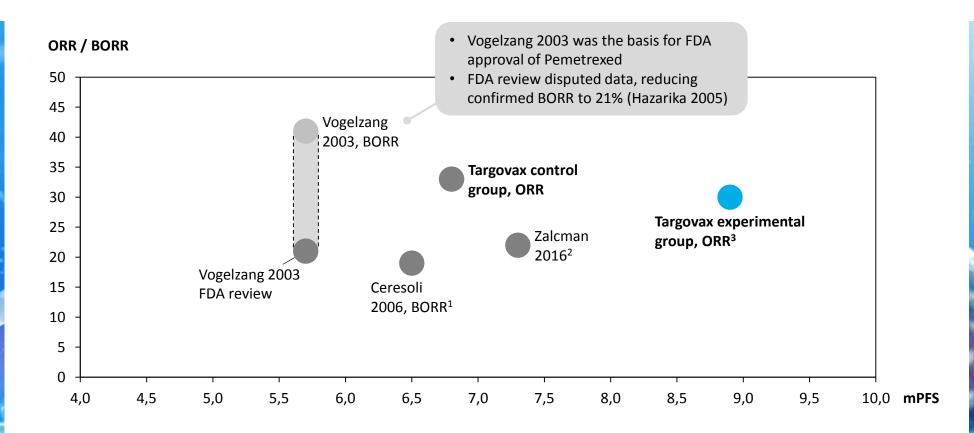


ONCOS-102 MESOTHELIOMA PHASE I/II COMBINATION WITH SOC PATIENT CHARACTERISTICS AND OUTCOMES

ITT: N = 31 (20+11) PP: N = 30 (19+11)	Experimental n= 20	Control n= 11	Comments
Tumor and disease characteristics at enrollment - Number of lesions - Tumor burden mm (RECIST 1.1) - Stage III - Stage IV	4.3 87 30% 60%	3.5 46 27% 46%	Generally more progressed disease in experimental group
First line patients (number)	11 of 20	6 of 11	No previous chemotherapy
Median Progression Free Survival (mPFS)	8.9 months	6.8 months	Early data, many patients censored
Overall Response Rate (ORR, n=10 / n=6)	30%	33%	
Disease Control Rate (DCR, n= 10 / n=6)	90%	83%	
Second (or later) line patients (number)	9 of 20	5 of 11	Received previous chemotherapy
Median Progression Free Survival (mPFS)	4.5 months	ND	Early data, many patients censored
Overall Response Rate (ORR, n=9 / n=5)	11%	60%	
Disease Control Rate (DCR, n=9 / n=5)	67%	80%	



FIRST LINE ONCOS-102 ORR AND EARLY PFS DATA COMPARE FAVORABLY TO HISTORICAL CONTROL



¹ Pemetrexed plus carboplatin

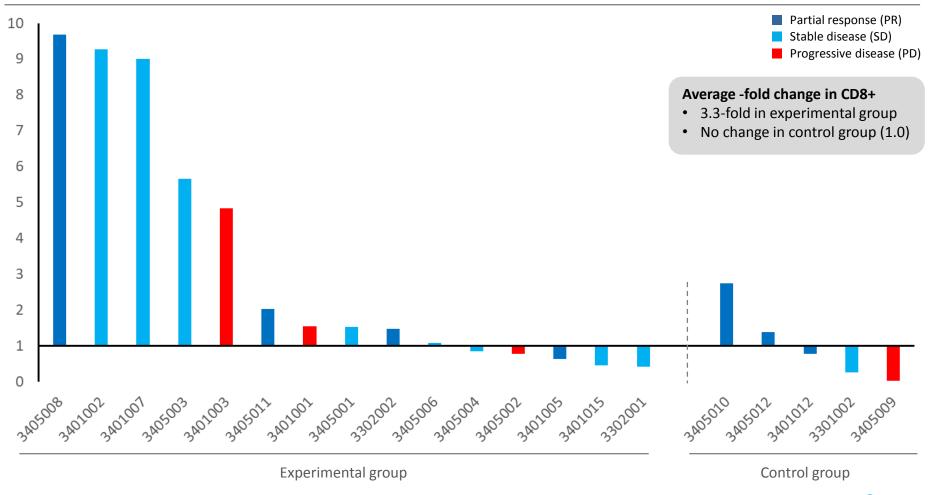
3 mPFS in Targovax trial is early and will change: Control group 6 patients (3 censored), Experimental group 11 patients (7 censored)

² Zalcman 2016 (Lancet) compared bevacizumab + pem/cis vs pem/cis; data from pem/cis arm only presented on plot. Not specified if ORR or BORR.

ONCOS-102 MESOTHELIOMA IMMUNE ACTIVATION

INCREASED T-CELL INFILTRATION IN EXPERIMENTAL GROUP

CD8+ T-cell infiltration -fold change from baseline to day 36 (n=201)

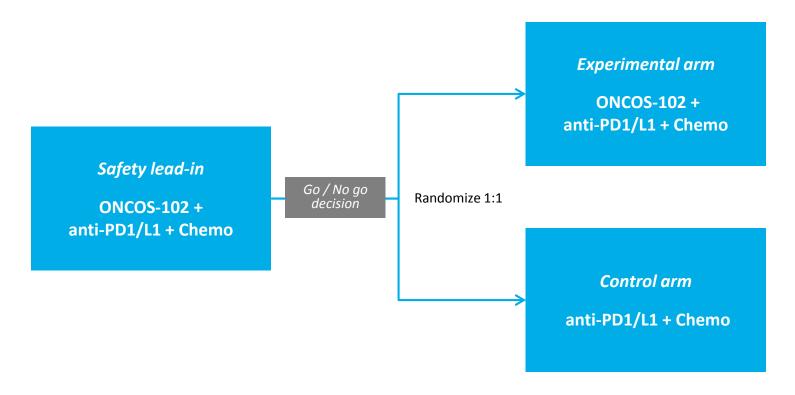




NEXT STEP: ONCOS-102 + ANTI-PD1/L1 + CHEMO TRIPLE COMBINATION IN FIRST LINE MESOTHELIOMA

Study population – malignant pleural mesothelioma:

First line, unresectable, advanced and/or metastatic disease ca. 100 patients





ONCOS-102 MESOTHELIOMA PHASE I/II TRIAL

SUMMARY AND NEXT STEPS



Excellent safety profile

ONCOS-102 and SoC chemotherapy combination is well-tolerated



Clinical activity observed

- Emerging data suggest benefit for ONCOS-102 treated patients and compare favorably to historical control
- Increased T-cell infiltration and PD-L1 expression
- Robust immune activation associated with clinical benefit



Next steps defined

- First line identified as target population for follow-up trial
- Strong rationale for combination with anti-PD1/L1 CPI
- O Discussion ongoing with pharma partner for trial collaboration