A CLINICAL SCORE TO PREDICT THE EARLY DEATH AT 100 DAYS AFTER A COMPREHENSIVE GERIATRIC ASSESSMENT (CGA) IN ELDERLY METASTATIC CANCERS, ANALYSIS FROM A PROSPECTIVE COHORT STUDY WITH 1048 PATIENTS.

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**Introduction:** Trying to predict the very early death after a CGA is difficult in elderly metastatic cancers. Last year, we presented a clinical score to predict this risk in 815 elderly cancer patients (Boulahssass et al 9511 ASCO 2015).

**Objectives:** The aim of this new study is the next step by developing a score to estimate the risk of early death at 100 days in metastatic cancers (MC) in order to have the collective wisdom not to overtreat this population. 100 days is nearly 3 months, if patients are going to die within 3 months, it’s maybe necessary to provide them best supportive care alone.

**Methods:** This is a multicentric and prospective cohort study approved by an ethics committee. At the baseline, a standardized CGA was performed (MMSE, MNA, Grip strength, ADL, IADL, CIRSg, Charlson, lee, PS, Gait speed, QLQc30, G8, Balducci), type and localization of metastases were collected. During the follow up of 100 days, events, treatments made and targeted geriatric interventions were collected. A multivariate logistic regression permits to select risk factors. The internal validation was performed by a bootstrap with randomized samples. Score points were assigned to each risk factor by using the β coefficient. The accuracy of the score was assessed with the mean c-statistic and the calibration with the Hosmer-Lemeshow goodness of fit test.

**Results:** In the cohort 312 patients had a MC with a median age of 82y. The independent predictors of death at 100 days in MC were: Age > 85y (OR 2.1 p=0.03), Metastatic localizations (ML): 2ML (OR 2.4 p=0.004), >2 ML (OR 6.3 p=0.001), MNA <17 (OR 8.7 p<0.0001) or ≥23.5 and ≥ 17 (OR 5.4 p=0.002), Home confinement (OR 1.8 p=0.047), ADL<5.5 (OR 2.1 p=0.017), Cancers with global risk of early death at 100 days >30% (OR 2.05 p=0.016). We assigned in the score: 3 points for: MNA ≤23.5, ML≥2 and 1 point for home confinement, ADL<5.5, ML=2, age >85y and types of cancers at risk >30%. The risk of death at 100 days in MC was 4% for 0 to 2 pts, 18% for 3 to 4 pts, 33% for 5 pts and 44% for 6 pts and 83% for > 6 pts.

**Conclusion:** In daily practice, this score should help to avoid unnecessary treatment for patients with a high risk of death, especially for those with a score> 6.

**Disclosure of Interest:** None Declared

**Keywords:** elderly cancer patients, Geriatric assessment, metastasis, score