

Validation of the ALPPS Risk Score

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Background:

ALPPS is in strong need of precise risk stratification. To address this important issue, an easy applicable Risk Score predicting 90d or in-hospital mortality pre-stage 1 and 2 has been proposed using the International ALPPS Registry (*Linecker M, Petrowsky H, Ann Surg. 2016*). Due to the nature of the registry data capturing the majority of the international ALPPS experience at the time of score development a validation has not been performed yet.

Objectives:

The aim of this study is to internally and externally validate the recently proposed ALPPS Risk Score one year after development.

Methods:

The international ALPPS registry will be screened for cases entered after development of the ALPPS Risk Score applying the same in- and exclusion criteria (internal validation). In addition, high- volume ALPPS centers outside the International ALPPS registry will be contacted to provide cases (external validation). In all patients with available 90d follow-up pre-stage 1 and 2 futility risks will be calculated and compared with the actual survival outcome. ROC curve analysis will be performed to assess the predictive ability of the ALPPS Risk Score in the validation cohort.