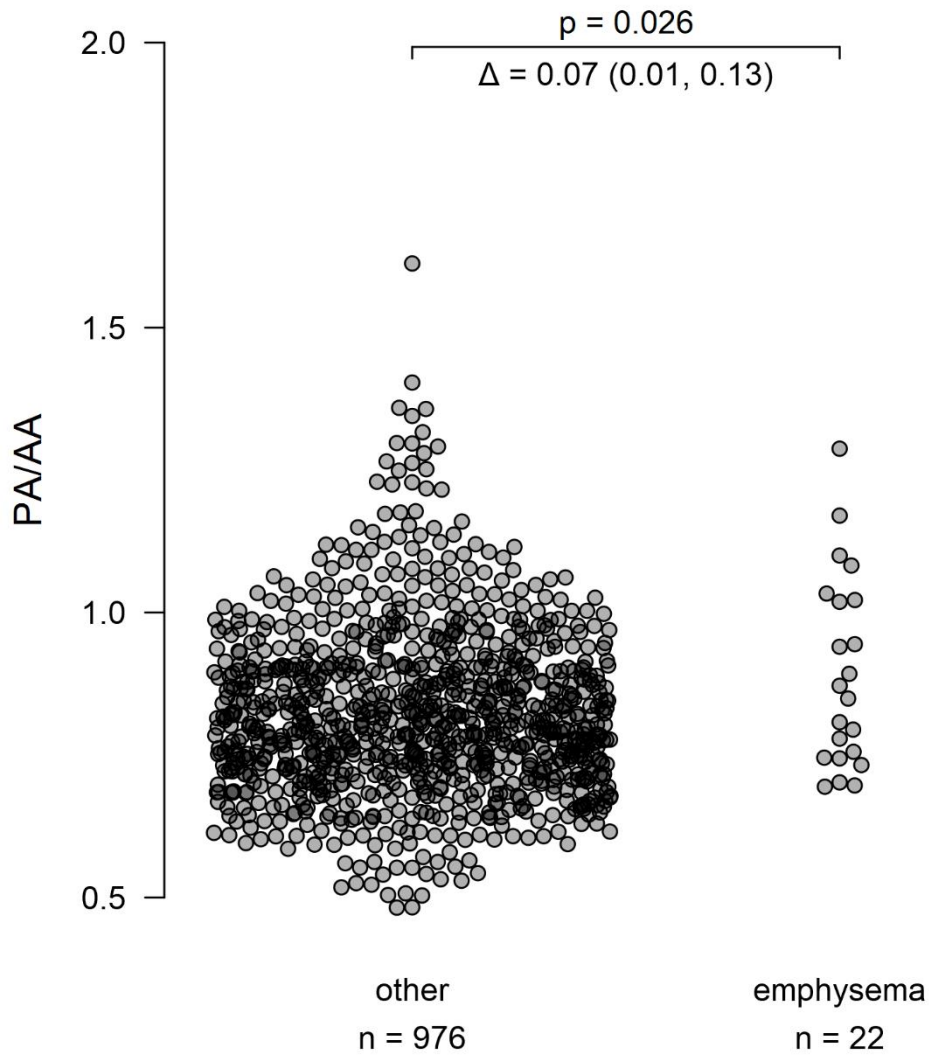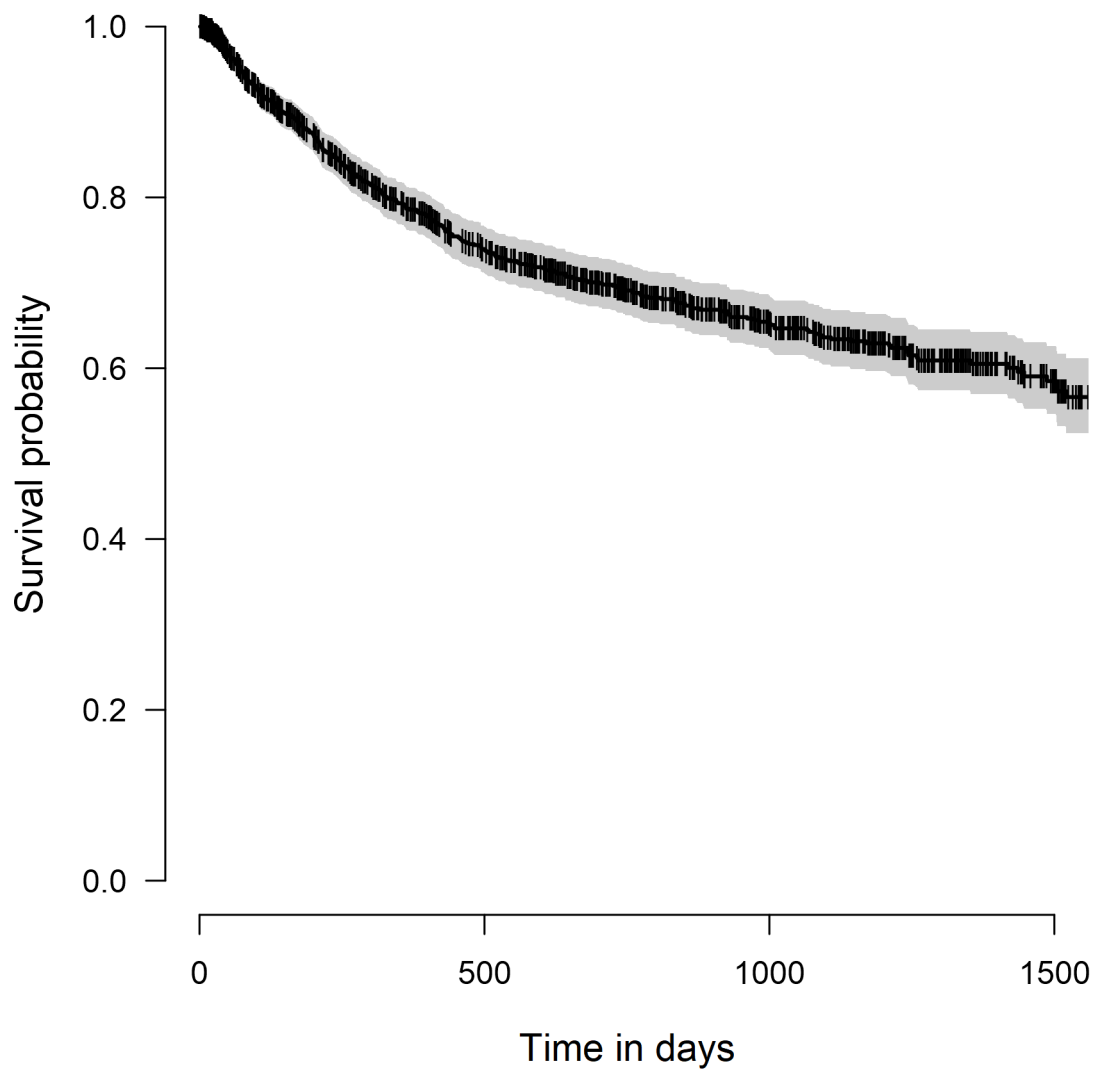1 **Supplementary Figures and Legends**
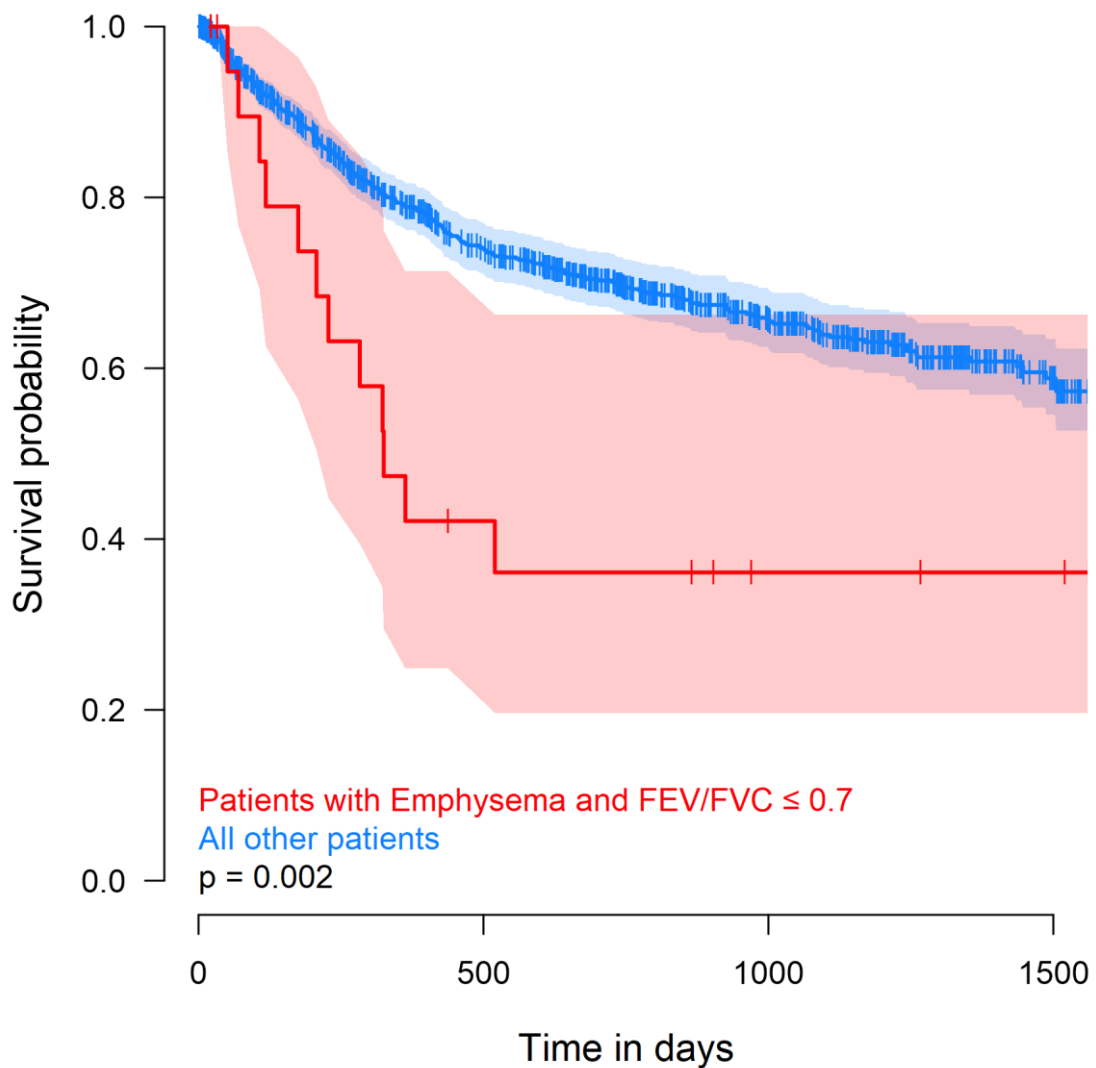

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3 **Supplementary Figure 1**

4 Emphysema= Existence of emphysema in a patient assessed by a thorax CT-scan and a
5 FEV1/FVC<0.7 on pulmonary function testing at baseline. Other= all other patients of the
6 cohort. Dots represent PA/A ratio of each individual patient at baseline.

1

Supplementary Figure 2

Overall survival of all patients of the entire cohort using a Cox proportional hazards (Cox PH)
model adjusting for sex, age, cancer and Union for international cancer control (UICC) stage.
Figure shows the Kaplan-Meier curve with its 95% confidence interval.

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3 **Supplementary Figure 3**

4 Overall survival (OS) of patients stratified by existence of emphysema in a patient assessed
5 by a thorax CT-scan and a FEV1/FVC<0.7 on pulmonary function testing at baseline. The
6 impact of emphysema was analyzed using Cox proportional hazards (Cox PH) models
7 adjusting for sex, age, cancer and Union for international cancer control (UICC) stage. Figure
8 shows the Kaplan-Meier curves with their 95% confidence intervals stratified for the existence
9 of emphysema and the p-value is from the Cox proportional hazard model.