



**Figure S1.** Receiver Operating Characteristic (ROC) curves for predicting mortality using handgrip strength (HGS), lean tissue index (LTI), fat tissue index (FTI), and body mass index (BMI). Panel A represents the entire cohort, Panel B focuses on male patients, and Panel C focuses on female patients.

**Table S1. Predictive performance of body composition and handgrip strength measurements for mortality in dialysis patients** : This table summarizes the area under the curve (AUC), 95% confidence intervals (CI), cut-off values, sensitivity, and specificity for handgrip strength (HGS) and body composition measurements (lean tissue index [LTI], fat tissue index [FTI], and body mass index [BMI]) in predicting mortality. Results are presented for the entire dialysis cohort, male patients, and female patients.

|                        | Predictive index | AUC (95% CI)        | Cut off value | Sensitivity (%) | Specificity (%) |
|------------------------|------------------|---------------------|---------------|-----------------|-----------------|
| Entire dialysis cohort | HGS              | 0.666 (0.584-0.747) | 18.4          | 74.4            | 56.1            |
|                        | LTI              | 0.626 (0.517-0.734) | 9.95          | 53.8            | 76.7            |
|                        | FTI              | 0.488 (0.382-0.593) | 7.55          | 25.6            | 82.7            |
|                        | BMI              | 0.562 (0.463-0.660) | 18.9          | 17.9            | 94.6            |
| Male patients          | HGS              | 0.730 (0.626-0.834) | 18.5          | 57.9            | 78.7            |
|                        | LTI              | 0.571 (0.404-0.739) | 9.6           | 36.8            | 91.1            |
|                        | FTI              | 0.546 (0.400-0.692) | 7.6           | 31.6            | 80.7            |
|                        | BMI              | 0.591 (0.444-0.737) | 25.3          | 73.7            | 48.0            |
| Female patients        | HGS              | 0.621 (0.489-0.754) | 10.2          | 45.0            | 83.8            |
|                        | LTI              | 0.667 (0.525-0.809) | 9.95          | 70.0            | 61.7            |
|                        | FTI              | 0.450 (0.304-0.595) | 5.85          | 15.0            | 93.4            |
|                        | BMI              | 0.529 (0.393-0.666) | 27.9          | 95.0            | 18.6            |