**Skeletal muscle area is an independent predictor for mortality in elderly patients with ANCA associated vasculitis**

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**Supplementary Material**

**Supplement Table 1 Analysis of Muscle Area and Clinical Parameters**

|  |  |  |  |
| --- | --- | --- | --- |
| **Clinical parameters**  |  |  | **P value** |
| **Binary Variables, muscle area in cm2** |
| Gender | Male: 114.16 ±23.63 | Female: 92.34 ±20.40 | <0.0001\*\*\* |
| Diabetes | Diabetes 94.33 ±19.18 | Non-diabetic: 105.39 ±25.49 | 0.142 |
| Pulmonary comorbidities | With: 106.15 ±27.60 | Without: 101.20 ±23.14 | 0.696 |
| Plasma exchange | Yes: 98.68 ±27.16 | No:104.10 ±23.53 | 0.465 |
| **Continuous Variables** | **Correlation coefficient**  | **P value** |
| Age | r = -0.40 | 0.002\*\* |
| BMI | r = 0.39 | 0.003\*\* |
| BVAS  | r = 0.08 | 0.544 |
| ANCA titer | Speraman’s Rho = -0.24 | 0.06 |
| eGFR | Speraman’s Rho = -0.10 | 0.48 |
| Hemoglobin | r = 0.16 | 0.23 |
| Lymphocyte  | Speraman’s Rho = 0.10 | 0.47 |
| Albumin | r = 0.15 | 0.27 |
| Immunoglobulin G  | Speraman’s Rho = -0.04 | 0.77 |
| hsCRP | Speraman’s Rho = -0.18 | 0.20 |

Abbreviations: BMI body mass index, BVAS Birmingham Vasculitis Activity Score (version 3), ANCA Antineutrophil Cytoplasmic Antibodies, eGFR estimated glomerular filtration rate, hsCRP high sensitivity C-Reactive Protein

\* P value <0.05

\*\* P value<0.01

\*\*\*P value <0.001



Supplement Fig. 1. Kaplan-Meier Curve of One year survival stratified by muscle mass