

*Supplementary Materials*

# Bedside Hyperspectral Imaging and Organ Dysfunction Severity in Critically Ill COVID-19 Patients—A Prospective, Monocentric Observational Study

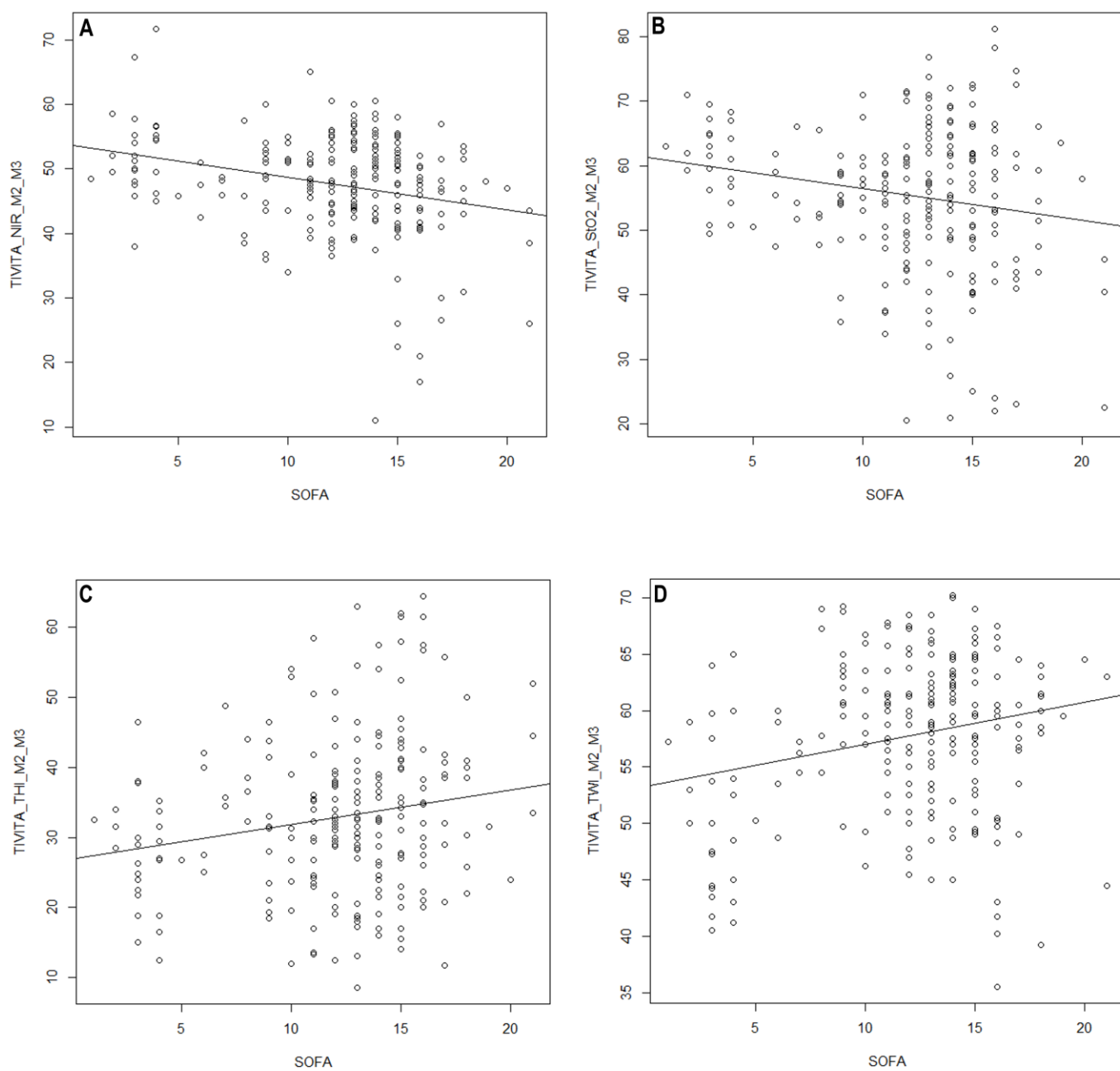
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**Figure S1.** Scatter plots illustrating the association of NPI (A), StO2 (B), THI (C), and TWI (D) with SOFA score including all examination time points (day 0, day 1, day 2, day 3, and day 7).

**Table S1.** Characteristics of critically ill COVID-19 patients (Espeter et al., 2022) [14]. \* Median (inter-quartile range). CCI—Charlson Comorbidity Index; BMI—Body mass index; vvEVMO—veno-venous extracorporeal membrane oxygenation; SOFA—the sequential organ failure assessment score.

| <b>Characteristics of critically ill COVID-19 patients.</b> |            |
|---|------------|
| number of patients ( <i>n</i> )                             | 52         |
| age (years) *   | 59 (51–66) |
| Male *  | 36 (69%)   |
| clinical data   |            |
| CCI *   | 2 (2–3)    |
| BMI (kg/m <sup>2</sup> ) *                                  | 31 (28–36) |
| at ICU admission  |            |
| spontaneous breathing,                                      |            |
| oxygen dependent  | 6 (11.5%)  |
| ventilated  | 46 (88.5%) |
| non-invasive  | 6 (11.5%)  |
| invasive  | 40 (77%)   |
| vvECMO during ICU stay                                      | 40 (77%)   |
| initiation at referring ICU                                 | 25 (48%)   |
| initiation after ICU admission                              | 15 (28%)   |
| outcome   |            |
| 28-day survivors  | 19 (36%)   |