Table s2: AUROCs of the biomarkers for predicting the SOFA score after 7 days in the ICU

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|  |  |  | Day-7 SOFA | | | | |  |
| **Parameters** | **Days** |  | 0-2 | 3-5 | 6-8 | 9-12 | 13-24 | *P*-value |
|  |  |  | (n=159) | (n=296) | (n=182) | (n=75) | (n=31) |  |
| **Protein C** | **Day 1** |  | reference | 0.658 | 0.665 | 0.730 | 0.751 | <.0001 |
|  | **Day 2** |  | reference | 0.695 | 0.694 | 0.769 | 0.856 | <.0001 |
|  | **Day 3** |  | reference | 0.731 | 0.730 | 0.812 | 0.854 | <.0001 |
|  | **Day 4** |  | reference | 0.753 | 0.735 | 0.805 | 0.859 | <.0001 |
|  | **Day 5** |  | reference | 0.740 | 0.738 | 0.797 | 0.839 | <.0001 |
|  | **Day 6** |  | reference | 0.728 | 0.735 | 0.793 | 0.847 | <.0001 |
|  | **Day 7** |  | reference | 0.771 | 0.720 | 0.773 | 0.798 | <.0001 |
| **CRP** | **Day 1** |  | reference | 0.482 | 0.498 | 0.542 | 0.567 | 0.904 |
|  | **Day 2** |  | reference | 0.541 | 0.517 | 0.498 | 0.468 | 0.270 |
|  | **Day 3** |  | reference | 0.496 | 0.536 | 0.564 | 0.538 | 0.196 |
|  | **Day 4** |  | reference | 0.548 | 0.585 | 0.620 | 0.615 | <.0001 |
|  | **Day 5** |  | reference | 0.560 | 0.597 | 0.660 | 0.645 | <.0001 |
|  | **Day 6** |  | reference | 0.568 | 0.587 | 0.628 | 0.623 | <.0001 |
|  | **Day 7** |  | reference | 0.601 | 0.584 | 0.588 | 0.650 | 0.0005 |
| **WBC** | **Day 1** |  | reference | 0.501 | 0.557 | 0.585 | 0.588 | 0.872 |
|  | **Day 2** |  | reference | 0.498 | 0.565 | 0.600 | 0.602 | 0.371 |
|  | **Day 3** |  | reference | 0.547 | 0.507 | 0.516 | 0.469 | 0.0024 |
|  | **Day 4** |  | reference | 0.566 | 0.558 | 0.573 | 0.525 | <.0001 |
|  | **Day 5** |  | reference | 0.565 | 0.593 | 0.624 | 0.600 | <.0001 |
|  | **Day 6** |  | reference | 0.608 | 0.577 | 0.619 | 0.590 | <.0001 |
|  | **Day 7** |  | reference | 0.593 | 0.565 | 0.627 | 0.615 | <.0001 |
| **AT III** | **Day 1** |  | reference | 0.710 | 0.700 | 0.756 | 0.742 | <.0001 |
|  | **Day 2** |  | reference | 0.720 | 0.721 | 0.771 | 0.809 | <.0001 |
|  | **Day 3** |  | reference | 0.754 | 0.752 | 0.820 | 0.896 | <.0001 |
|  | **Day 4** |  | reference | 0.739 | 0.739 | 0.818 | 0.922 | <.0001 |
|  | **Day 5** |  | reference | 0.742 | 0.741 | 0.801 | 0.904 | <.0001 |
|  | **Day 6** |  | reference | 0.720 | 0.677 | 0.786 | 0.913 | <.0001 |
|  | **Day 7** |  | reference | 0.714 | 0.684 | 0.731 | 0.828 | <.0001 |
| **PAI-1** | **Day 1** |  | reference | 0.626 | 0.663 | 0.737 | 0.862 | 0.0013 |
|  | **Day 2** |  | reference | 0.566 | 0.711 | 0.878 | 0.912 | <.0001 |
|  | **Day 3** |  | reference | 0.646 | 0.707 | 0.784 | 0.957 | <.0001 |
|  | **Day 4** |  | reference | 0.574 | 0.693 | 0.898 | 0.962 | 0.0006 |
|  | **Day 5** |  | reference | 0.472 | 0.560 | 0.681 | 0.857 | 0.216 |
|  | **Day 6** |  | reference | - | - | - | - | - |
|  | **Day 7** |  | reference | - | - | - | - | - |
| **sTM** | **Day 1** |  | reference | 0.710 | 0.700 | 0.756 | 0.742 | <.0001 |
|  | **Day 2** |  | reference | 0.720 | 0.721 | 0.771 | 0.809 | <.0001 |
|  | **Day 3** |  | reference | 0.754 | 0.752 | 0.720 | 0.896 | <.0001 |
|  | **Day 4** |  | reference | 0.739 | 0.739 | 0.818 | 0.922 | <.0001 |
|  | **Day 5** |  | reference | 0.742 | 0.741 | 0.801 | 0.904 | <.0001 |
|  | **Day 6** |  | reference | 0.720 | 0.677 | 0.786 | 0.913 | <.0001 |
|  | **Day 7** |  | reference | 0.714 | 0.684 | 0.831 | 0.828 | <.0001 |
| **Procalcitonin** | **Day 1** |  | reference | 0.605 | 0.625 | 0.615 | 0.708 | <.0001 |
|  | **Day 2** |  | reference | 0.611 | 0.619 | 0.617 | 0.711 | <.0001 |
|  | **Day 3** |  | reference | 0.627 | 0.646 | 0.639 | 0.719 | <.0001 |
|  | **Day 4** |  | reference | 0.643 | 0.675 | 0.670 | 0.748 | <.0001 |
|  | **Day 5** |  | reference | 0.649 | 0.690 | 0.681 | 0.758 | <.0001 |
|  | **Day 6** |  | reference | 0.629 | 0.687 | 0.695 | 0.738 | <.0001 |
|  | **Day 7** |  | reference | 0.683 | 0.724 | 0.710 | 0.772 | <.0001 |
| **Lactate** | **Day 1** |  | reference | 0.633 | 0.673 | 0.727 | 0.835 | <.0001 |
|  | **Day 2** |  | reference | 0.652 | 0.712 | 0.769 | 0.846 | <.0001 |
|  | **Day 3** |  | reference | 0.682 | 0.721 | 0.767 | 0.850 | <.0001 |
|  | **Day 4** |  | reference | 0.681 | 0.711 | 0.776 | 0.825 | <.0001 |
|  | **Day 5** |  | reference | 0.673 | 0.684 | 0.777 | 0.785 | <.0001 |
|  | **Day 6** |  | reference | 0.670 | 0.673 | 0.756 | 0.813 | <.0001 |
|  | **Day 7** |  | reference | 0.640 | 0.632 | 0.721 | 0.802 | <.0001 |

Reference was defined as the group of patients with SOFA scores of 0-2 after 7 days

PAI-1 day 6 and day 7 could not be determined because the number of patients was not sufficient to analyse.

*P*-values were determined using the Cox proportional hazards model.

AT III, antithrombin III; AUROC, Area under Receiver Operating Characteristic; CRP, C-reactive protein; ICU, intensive care unit; SOFA, Sequential Organ Failure Assessment score; sTM, soluble thrombomodulin; PAI-1, plasminogen activator inhibitor-1; WBC, white blood cell