**Supplementary Table 6** Adjusted analyses for individual studies. SMD = Standard mean difference HR = Hazard Ratio OR = Odds Ratio

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Study author** | **Setting** | **Model** | **Variables adjusted for** | **Unadjusted results** | **Statistical significance** | **Adjusted results** | **Statistical significance** | **Note** |
| Park J et al. | ED | Propensity score | age, sex, comorbidities, source of infection, SOFA score, bilirubin, creatinine, presentation of septic shock, use of vasopressors | N/A | N/A | SMD 0.02 | p = 1.0 | relatively small number of matched patients |
| Doenyas-Barak et al. | ED | Cox proportional hazard | age, sex, diabetes, hypertension, ischaemic heart disease, cerebrovascular disease, malignancy, creatinine, lactate, APACHE II | HR 0.42 (0.27–0.66) | p<0.05 | HR 0.207 (CI 0.046– 0.939) | p = 0.041 |  |
| Green et al | ED | Multivariate logistic regression | age, lactate, modified PIRO score, creatinine | OR 2.34 (1.36 - 4.02) | p < 0.01 | OR 2.49 (1.38-4.73) | p < 0.01 | odds for death |
| van Vught LA et al. | ICU | Cox proportional hazard | age, sex, renal insufficiency | HR 0.85 (0.62–1.16) | p = 0.3 | HR 0.75, [0.48, 1.15] | ? |  |
| Jochmans S et al. | ICU | Multivariate logistic regression | sex, SAPS II, ARDS, invasive ventilation, lactate, renal replacement therapy, day 1 urinary output | OR 1.04 (0.52-2.11) | p = 0.9 | OR 0.75 (0.44–1.28) | p = 0.29 | odds for survival |
| Christiansen C et al. | ICU | Cox proportional hazard | age, sex, marital status, preadmission morbidity, concurrent drug use, diabetes duration, last HbA1C result | N/A | N/A | HR 0.76, (0.50-1.16) | ? | author provided adjusted HR |
| Hloch O et al. | ICU | N/A | N/A | N/A | N/A | N/A | N/A | small study, no adjusted analysis done |
| Scale et al. | ED/ICU | N/A | N/A | N/A | N/A | N/A | N/A | author provided unadjusted data |