**Supplemental Table 24. Prediction models for delirium in adult critically ill patients**

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|  | **Within 24 hours after ICU admission**(Van den Boogaard 2014) [1] | **At ICU admission**(Wassenaar 2015) [2] |
| Predictors | AgeAPACHE-IIUrgent admissionAdmission categoryInfectionComaSedationMorphine useUrea levelMetabolic acidosis | AgeHistory of cognitive impairmentHistory of alcohol abuseBlood urea nitrogenAdmission categoryUrgent admissionMean arterial blood pressureUse of corticosteroidsRespiratory failure |
| Area under ROC curve | 0.77 (95 % CI 0.74–0.79) | 0.76 (95% CI 0.73–0.77) |

APACHE= Acute Physiology and Chronic Health Evaluation; CI= Confidence Interval; ICU=Intensive Care Unit; ROC=Receiver Operating Characteristic.

**References**

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2. Wassenaar A, van den Boogaard M, van Achterberg T, Slooter AJC, Kuiper MA, Hoogendoorn ME, Simons KS, Maseda E, Pinto N, Jones C *et al*: **Multinational development and validation of an early prediction model for delirium in ICU patients**. *Intensive Care Med* 2015, **41**(6):1048-1056.