

Sequential Organ Failure Assessment (SOFA) Score – Has the Time Come For an Update?

Moreno et al

Electronic supplementary material

Table S1. Lookup table for imputed PaO₂ for a given SpO₂ based on non-linear equation (modified from [1])

Measured SpO ₂ (%)	Imputed PaO ₂ (mmHg)
100*	167**
99*	132*
98*	104*
97*	91*
96	82
95	76
94	71
93	67
92	64
91	61
90	59
89	57
88	55
87	53
86	51
85	50
84	49
83	47
82	46
81	45
80	44
79	43
78	42
77	42
76	41
75	40
74	39
73	39
72	38
71	37
70	37

*Generally considered unreliable on the basis of the sigmoidal shape of the hemoglobin-oxygen dissociation curve
**Based on SpO₂ 99.5%.

Reference

1. Brown SM, Duggal A, Hou PC, Tidswell M, Khan A, Exline M et al. Nonlinear imputation of PaO₂/FIO₂ from SpO₂/FIO₂ among mechanically ventilated patients in the ICU: A prospective, observational study. Crit Care Med. 2017;45:1317-24