

Table 1. Overview of publications used in the meta-analysis.

Author	Year of Publication	Study population	Study design	No. of patients	Endpoints	Comparison (in meta-analysis)	Study* Quality
Amrein[25]	2014	medical-, surgical-ICU	retrospective, cohort	655	sepsis, in-hospital mortality	< 50 nmol/l vs > 75 nmol/l	7
Arnson[21]	2012	medical-, surgical-ICU	prospective, cohort	130	infections	≤ 50 nmol/l vs > 50 nmol/l	6
Aygenel[24]	2013	medical-ICU	prospective, cohort	201	infections, sepsis, in-hospital mortality	< 50 nmol/l vs ≥ 50 nmol/l	4
Braun[5]	2012	medical-, surgical-ICU	two-centre, retrospective, cohort	1325	sepsis, 30-day-, in-hospital mortality	≤ 37 nmol/l vs ≥ 75 nmol/l	8
Braun[3]	2011	surgical-ICU	two-centre, retrospective, cohort	2399	infections, 30-day-, in-hospital mortality	≤ 37 nmol/l vs ≥ 75 nmol/l	8
Flynn[22]	2012	medical-, surgical-ICU	prospective, cohort	66	infections, sepsis, in-hospital mortality	≤ 50 nmol/l vs > 50 nmol/l	2
Higgins[23]	2012	medical-surgical ICU	prospective, cohort	196	infections, sepsis, 30-day mortality	≤ 30 nmol/l vs ≥ 60 nmol/l	7
Lucidarme[12]	2012	medical-, surgical-, ICU	prospective, cohort	134	30-day mortality	> 15-≤ 30 vs ≥ 60 nmol/l	5
Matthews[30]	2012	medical-, ICU	prospective, cohort	258	in-hospital mortality	≥ 10-≤ 32 vs 67-97 nmol/l	3

Moromizato[26]	2014	medical-, surgical-, ICU	two-centre, retrospective cohort	3386	sepsis	≤ 37 nmol/l vs ≥ 75 nmol/l	8
Nair[27]	2012	medical-, ICU	prospective, cohort	100	30-day-, in-hospital mortality	< 25 nmol/l vs ≥ 50 nmol/l	6
Remmelts[28]	2012	ward, medical-, ICU	prospective, cohort	272	30-day mortality	≤ 50 nmol/l vs ≥ 75 nmol/l	7
Su[29]	2013	medical-, surgical- ICU	prospective, cohort	156	30-day mortality	≤ 37 nmol/l vs ≥ 75 nmol/l	6
Venkatram[4]	2011	medical-, ICU	retrospective, cohort	437	sepsis in-hospital mortality	≤ 50 nmol/l vs ≥ 75 nmol/l	4

*Study quality assessed by the Newcastle-Ottawa-scale, see Additional file S8

