

Is antimicrobial dosing adjustment associated with better outcomes in patients with severe obesity and bloodstream infections? An exploratory study

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Supporting Information

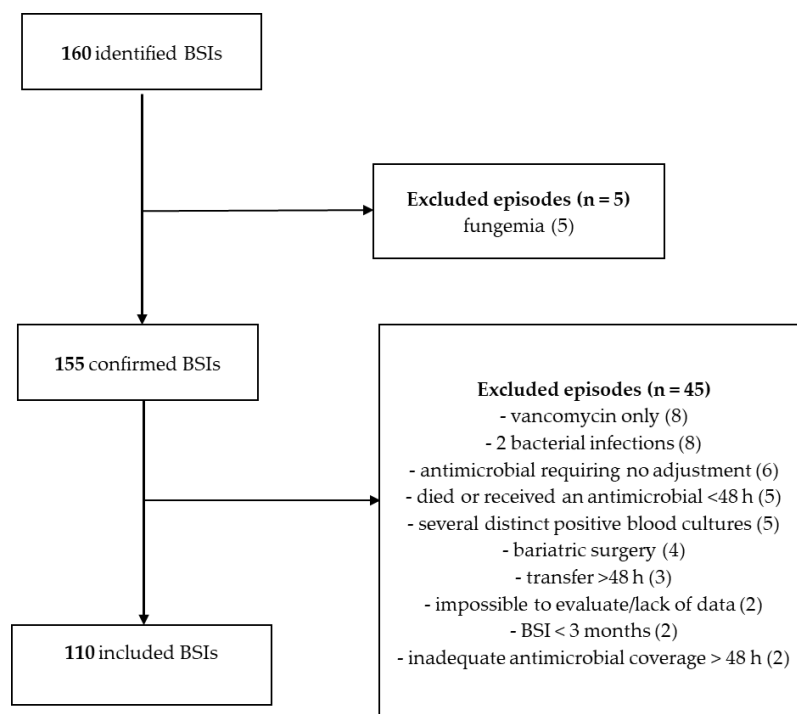


Figure S1. Flowchart of included and excluded episodes of bloodstream infections.

Table S1. Variables related to the appropriateness according to the period of admission.

Variables	pre APSS (2005-2010) <i>n</i> = 51 (46%)	early APSS (2010- 2012) <i>n</i> = 19 (17%)	late APSS (2013-2015) <i>n</i> = 40 (36%)	Total cohort N = 110
Appropriateness category				
Good (80%-100 %)	17 (33)	9 (47)	21 (53)	47 (43)
Moderate (20%-79 %)	15 (29)	5 (26)	11 (28)	31 (28)
Poor (0%-19 %)	19 (37)	5 (26)	8 (20)	32 (29)
Appropriateness of the treatment, % (median, IQR)	27 (12-86)	60 (9-97)*	84 (35-100)*	58 (17-97)
Therapy 100% unadjusted	9 (18)	4 (21)	4 (10)	17 (16)
No of inadequate days (median, IQR)	11 (6.5-14)	10 (3-13)	5 (1-13)	10 (3-14)
First prescription inadequate	30 (59)	11 (58)	25 (63)	66 (60)
First dose inadequate	15 (29)	7 (37)	15 (38)	37 (34)
No of prescriptions (mean ± SD)	3.98 ± 1.73	4.63 ± 2.09	4.58 ± 1.60	4.31 ± 1.76
No. inadequate prescriptions (mean ± SD)	2.35 ± 1.38	2.58 ± 1.12	1.83 ± 0.98	2.2 ± 1.23
No. antimicrobials (mean ± SD)	2.90 ± 1.25	2.95 ± 0.97	3.38 ± 1.10	3.08 ± 1.17

No. inadequate antimicrobials (mean ± SD)	1.88 ± 1.05	2 ± 0.58	1.65 ± 0.83	1.82 ± 0.91
Inadequate prescription upon discharge	24/32 (75)	4/8 (50)	11/25 (44)*	39/65 (60)
Duration of antimicrobial therapy, days, (median, IQR)	15 (11-17)	14 (10-16)	15 (12.5-17)	15 (11-17)
Duration of IV therapy, days, (median, IQR)	6 (3-9.5)	8 (4-14)	8 (4-15)	7 (4-12)
Duration of PO therapy, days, (median, IQR)	11 (8-13)	10 (7.3-12.8)	10 (6-14)	10 (7-13)
Consultation with an ID specialist	23 (45)	8 (42)	23 (58)	54 (49)
Time to effective antibiotics	2.7 (1.1-5.5)	1.6 (0-17.6)	1.7 (0.8-4.8)	2.2 (0.8-5.5)

Number (%). Abbreviations : IQR : interquartile range, SD : standard deviation, IV : intravenous, PO : per os (orally), ID : infectious disease. * statistically significant differences (*P* value < 0.05), reference category = pre-APSS period.