RISK FACTORS FOR ANTIBIOTIC-RESISTANT BACTERIA COLONISATION IN CHILDREN WITH CHRONIC COMPLEX CONDITIONS

AUTHORS

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SUPPLEMENTARY FILE

Supplementary table S1: Epidemiological and clinical variables retrospectively collected:

Age
Sex
Place of residence (rural or urban area)
Child's and parents' country of origin
Number of household members
Number of siblings
School/nursery attendance
Number and type of CCC
Technology dependence (number and type of devices)
Antibiotic prophylaxis
Inhaled antibiotic therapy
Daily chlorhexidine mouthwash
Antibiotic therapy at inclusion and in previous months
Immunosuppressive drugs at inclusion
Previous skin infections
Previous *S. aureus* infections
Previous *S. aureus* colonisation
Previous nasal decolonisation
Previous GNB infections
Hospitalisation in previous 12 months
Duration of hospitalisation in previous 12 months
Paediatric intensive care unit admission in the previous 12 months
Number of surgeries in the previous 12 months.

CCC, complex chronic condition, GNB, Gram-negative bacilli

Supplementary table S2: Molecular characterisation of S. aureus strains (11/16)

mecA	**mecC**	**SCC mec**	**PVL**	**TSST**	**ETA**	**ETB**	**ETD**	**spa-type**
Negative	Negative		Negative	Negative	Negative	Negative	Negative	t2527
Negative	Negative		Negative	Negative	Negative	Negative	Negative	t012
Negative	Negative		Negative	Positive	Negative	Negative	Negative	t822
Negative	Negative		Negative	Negative	Positive	Negative	Negative	Unknown
Positive	Negative	Type IV	Negative	Negative	Negative	Negative	Negative	**t002**
Negative	Negative		Negative	Negative	Negative	Negative	Negative	t230
Negative	Negative		Negative	Negative	Negative	Negative	Negative	t189
Negative	Negative		Negative	Positive	Negative	Negative	Negative	t11791
Negative	Negative		Negative	Negative	Negative	Negative	Negative	t5995
Positive	Negative	Type IV	Negative	Negative	Negative	Negative	Negative	**t002**
Negative	Negative		Negative	Positive	Negative	Negative	Negative	t822

Supplementary table S3: Multidrug-resistant Gram-negative bacilli species and resistance mechanism

Patient	Species	Resistance mechanism
1	*Klebsiella pneumoniae*	ESBL
2	*Klebsiella oxytoca*	Carbapenemase VIM
3	*Klebsiella pneumoniae*	Carbapenemase KPC
4	*Klebsiella pneumoniae*	ESBL
5	*Klebsiella pneumoniae*	Carbapenemase VIM
6	*Klebsiella pneumoniae*	ESBL
7	*Klebsiella pneumoniae*	Carbapenemase OXA-48
8	*Citrobacter freundii*	Carbapenemase VIM
	Klebsiella oxytoca	Carbapenemase VIM
9	*Klebsiella pneumoniae*	Carbapenemase VIM
10	*Klebsiella pneumoniae*	Carbapenemase VIM ESBL
11	*Klebsiella pneumoniae*	ESBL
12	*Klebsiella pneumoniae*	ESBL
13	*Klebsiella pneumoniae*	ESBL
14	*Klebsiella pneumoniae*	ESBL
15	*Escherichia coli*	Carbapenemase NDM
16	*Klebsiella pneumoniae*	ESBL
17	*Klebsiella pneumoniae*	Carbapenemase OXA-48
18	*Klebsiella pneumoniae*	ESBL
19	*Klebsiella pneumoniae*	ESBL
20	*Klebsiella pneumoniae*	ESBL
21	*Klebsiella oxytoca*	ESBL
22	*Klebsiella pneumoniae*	ESBL
	Citrobacter amalonaticus	ESBL
23	*Klebsiella pneumoniae*	ESBL
24	*Pseudomonas aeruginosa*	Carbapenemase VIM
	Klebsiella pneumoniae	ESBL

ESBL, extended spectrum β-lactamase; VIM, Verona integron-encoded metallo-β-lactamase; KPC, K. pneumoniae carbapenemase; NDM, New Delhi metallo-β-lactamase.