



Extended-spectrum β -lactamase Enterobacteriaceae (ESBLE) in intensive care units: strong correlation with the ESBLE colonization pressure in patients but not same species

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Auteur	Lemarié, Carole [1], Legeay, Clément [2], Lasocki, Sigismond [3], Mahieu, Rafaël [4], Kouatchet, Achille [5], Bahier, L [6], Onillon, Laura [7], Corre, Maxime [8], Kempf, Marie [9], Eveillard, Matthieu [10]
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Résumé en anglais	Sink drains of six intensive care units (ICUs) were sampled for screening contamination with extended-spectrum β -lactamase-producing Enterobacteriaceae (ESBLE). A high prevalence (59.4%) of sink drain contamination was observed. Analysing the data by ICU, the ratio 'number of ESBLE species isolated in sink drains/total number of sink drains sampled' was highly correlated (Spearman coefficient: 0.87; $P = 0.02$) with the ratio 'number of hospitalization days for patients with ESBLE carriage identified within the preceding year/total number of hospitalization days within the preceding year'. Concurrently, the distribution of ESBLE species differed significantly between patients and sink drains.
URL de la notice	http://okina.univ-angers.fr/publications/ua20286 [16]
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Liens

- [1] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=20159>
- [2] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=39992>
- [3] <http://okina.univ-angers.fr/s.lasocki/publications>
- [4] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=32161>
- [5] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=7981>
- [6] <http://okina.univ-angers.fr/publications?f%5Bauthor%5D=39707>
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- [16] <http://okina.univ-angers.fr/publications/ua20286>
- [17] <http://dx.doi.org/10.1016/j.jhin.2019.08.007>
- [18] <https://www.journalofhospitalinfection.com/article/S0195-6701>
- [19] <http://www.ncbi.nlm.nih.gov/pubmed/31408692?dopt=Abstract>

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