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Reply to comment on: Haubitz et al. Outcome of *Clostridioides difficile* infections treated in a Swiss tertiary care hospital: an observational study

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Thank you for your interest in our local Swiss data on Clostridioides difficile infections recently published in this journal [1, 2]. As you say, understanding of the local epidemiology is key to guide possible interventions. Similarly, local treatment strategies need to be addressed, especially if they differ from the latest international guidelines. Of interest, the Clostridioides difficile Asia-Pacific Study, which included eight Chinese centres, recently published data describing overall mostly mild presentations and low recurrence rates [3], emphasising the need to base local guideline decisions on appropriate regional data. We believe that our epidemiological, treatment and outcome data, which to our knowledge are the only Swiss data published so far, are not only representative for our institution, but also for many, if not most, hospitals throughout Switzerland.

We deliberately chose >70 years of age on the basis that our data suggested that this margin best discriminates for recurrence risk. The age difference between ≥ 65 and >70 years is clinically probably less meaningful than the cumulative burden of comorbidity. Because of the higher life expectancy of our population, age >70 years may be more useful for Switzerland. Similar reasoning might explain the different cut off values found in literature.

You stated that there is only literature suggesting risk for *C. difficile* carriage in patients with haematological malignancy. Our local data suggested a high burden of morbidity from *C. difficile* infection (CDI) in these patients, though discrimination between colonisation and infection might indeed be difficult, as diarrhoea is frequent in severe neutropenia. The adequate clinical response to CDI-targeted therapy suggested causality, however.

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As our sample size was limited we abstained form multivariable analyses and decided to report probable associations by comparing Kaplan-Meier curves instead. We then compared our findings with international guidelines, confirming the higher recurrence rate reported in the literature, while still suggesting metronidazole use in a defined subset of patients. Remarkably, these conclusions are very much in line with the recently released Swiss Society of Infectious Diseases (SSI) guidelines by Tschudin et al. [4]

Disclosure statement

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