**Table S1. Summary of the 8 Patients with 2 Positive BFA Tests**

|  |  |  |  |
| --- | --- | --- | --- |
| Patient | Testing at | Duration between tests (days) | Test Results |
| 1 | Sub. Hosp. Admit  Next Sub. Hosp. Admit | 6 | Norovirus  Norovirus |
| 2 | Outpatient  Outpatient | 40 | *C. difficile*  *C. difficile* |
| 3 | Sub. Hosp. Admit  Outpatient | 49 | *C. difficile*  *C. difficile* |
| 4 | Outpatient  Outpatient | 61 | *C. difficile*  *C. difficile* |
| 5 | Sub. Hosp. Hosp. Onset  Sub. Hosp. Admit | 112 | *C. difficile*  Norovirus |
| 6 | Outpatient  Sub. Hosp. Admit | 170 | *C. difficile*  *C. difficile* |
| 7 | Sub. Hosp. Admit  Outpatient | 174 | *C. difficile*  *C. difficile* |
| 8 | Outpatient  Outpatient | 345 | Adenovirus/*C. difficile*  *C. difficile* |

Sub. Hosp.: subsequent hospitalization

**Table S2. Summary of the 4 BFA tests in the 4 patients with more than 1 positive pathogen**

|  |  |
| --- | --- |
| Number with *C. difficile* plus 1 other pathogen | 4 |
| Other pathogens | Adenovirus 40/41  Adenovirus 40/41  Enteropathogenic E. coli (EPEC)  Norovirus |
| Number without *C. difficile* with > 1 other pathogens | 0 |

**Table S3. Summary of BFA and C. difficile Results by year**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | New Patients with Acute Leukemia | Number BFA Tests | Number Positive | Positive Results | *C. difficile* GDH | *C. difficile* toxin | *C. difficile* toxin gene  PCR | *C. difficile* treated |
| 2015  (7 mo.) | 35 | 9 | 1 | 1 *C. difficile* | 1 ND | 1 ND | 1 ND | 0 |
| 2016 | 59 | 63 | 9 | 8 *C. difficile*  1 Norovirus | 7 positive    1 ND | 4 positive  3 negative  1 ND | 3 ND | 3  3  1 |
| 2017 | 81 | 72 | 9 | 6 *C. difficile*  2 Norovirus  1 ETEC | 6 positive | 1 positive  5 negative | 5 ND | 0  3 |
| 2018 | 56 | 31 | 6 | 3 *C. difficile*  1 Adenovirus/*C. difficile*  1 EPEC  1 Giardia lamblia | 4 positive | 3 positive  1 negative | 1 ND | 2  1 |
| 2019 | 66 | 15 | 2 | 1 *C. difficile*  1 Norovirus | 1 positive | 1 negative | 1 ND | 1 |
| 2020 | 87 | 22 | 5 | 5 *C. difficile* | 5 positive | 4 positive  1 negative | 1 ND | 4  1 |
| 2021 | 77 | 24 | 4 | 3 *C. difficile*  1 Adenovirus/*C. difficile* | 4 positive | 2 positive  2 negative | 2 ND | 2  1 |
| 2022 | 71 | 27 | 6 | 4 *C. difficile*  2 Norovirus | 4 positive | 3 positive  1 negative | 1 ND | 3  0 |
| 2023 | 87 | 32 | 9 | 5 *C. difficile*  1 Norovirus/*C. difficile*  1 EPEC/*C. difficile*  1 Norovirus  1 Giardia lamblia | 7 positive | 2 positive  5 negative | 5 ND | 2  1 |
| 2024  (5 mo.) | 40 | 10 | 0 |  |  |  |  |  |

ND: not done; ETEC: enterotoxigenic E. coli; EPEC: enteropathogenic E. coli