

Supplementary Appendix

This appendix has been provided by the authors to give readers additional information about their work.

Supplement to: Cullen M, Steven N, Billingham L, et al. Antibacterial prophylaxis after chemotherapy for solid tumors and lymphomas. *N Engl J Med* 2005;353:988-98.

Table 1 (web-only). Organisms isolated from blood cultures from patients presenting with probable infection or fever.

PLACEBO

| Patient number | Microbiological evidence of bacteremia | | | | | Trial medication data | | |
|----------------|--|-------|-----------------------------|-----------------------|----------------|-----------------------|-----------|---|
| | Organism | Fever | Clinical signs | Clinical significance | FQ sensitivity | Cycle No. | Cycle day | Taking trial medication at onset infection? |
| 627 | <i>Streptococcus pneumoniae</i> | N | | Probably causative | Not tested | 1 | 5 | N |
| 1515 | Group A streptococcus | Y | Cellulitis | Probably causative | R | 2 | 5 | N |
| 920 | Coliform | Y | | Probably causative | S | 4 | 7 | N |
| 85 | <i>Staphylococcus aureus</i> | N | | Probably causative | Not tested | 4 | 8 | N |
| 1193 | Coagulase-negative staphylococcus | Y | | Possible contaminant | S | 1 | 10 | Y |
| 285 | Coagulase-negative staphylococcus | N | Low grade fever | Possible contaminant | NK | 2 | 11 | Y |
| 695 | Group G streptococcus | Y | | Probably causative | R | 1 | 11 | Y |
| 206 | <i>Klebsiella pneumoniae</i> | Y | | Probably causative | S | 1 | 12 | Y |
| 195 | <i>Streptococcus pneumoniae</i> | Y | Septic shock; death | Probably causative | S | 3 | 12 | Y |
| 570 | Alpha-haemolytic streptococcus | N | Shock | Probably causative | NK | 4 | 14 | Y |
| 1526 | Coagulase-negative staphylococcus | Y | | Possible contaminant | NK | 2 | 14 | Y |
| 1546 | Coagulase-negative staphylococcus | Y | | Possible contaminant | Not tested | 2 | 14 | Y |
| 1212 | Alpha-haemolytic streptococcus | Y | | Probably causative | R | 1 | 15 | Y |
| 964 | Coagulase-negative staphylococcus | Y | | Possible contaminant | Not tested | 3 | 16 | N |
| 837 | <i>Stenotrophomonas maltiphilia</i> | Y | Rigors on flushing line | Probably causative | R | 5 | 16 | N |
| 799 | Alpha-haemolytic streptococcus | Y | | Probably causative | R | 1 | 16 | N |
| 1137 | <i>Agrobacterium</i> spp. | N | Low grade fever; cellulitis | Probably causative | S | 2 | 29 | N |
| 1259 | Group B streptococcus | Y | Septic shock; death | Probably causative | NK | 3 | 22 | N |

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| Patient number | Microbiological evidence of bacteraemia | | | | | Trial medication data | | |
|----------------|--|-------|-------------------------|-----------------------|----------------|-----------------------|-----------|---|
| | Organism | Fever | Clinical signs | Clinical significance | FQ sensitivity | Cycle No. | Cycle day | Taking trial medication at onset infection? |
| 339 | Alpha-haemolytic streptococcus | Y | | Probably causative | Not tested | 1 | 4 | N |
| 932 | <i>Listeria monocytogenes</i> | Y | | Probably causative | Not tested | 1 | 8 | N |
| 1305 | Coagulase-negative staphylococcus | Y | | Possible contaminant | NK | 2 | 8 | N |
| 448 | <i>Klebsiella pneumoniae</i> and <i>Pseudomonas aeruginosa</i> | N | Septic shock; death | Probably causative | NK | 3 | 10 | N |
| 378 | <i>Propionobacter</i> spp. | Y | | Possible contaminant | NK | 4 | 11 | N |
| 1517 | <i>Escherichia coli</i> | N | | Probably causative | S | 2 | 12 | N |
| 173 | Coagulase-negative staphylococcus | Y | Rigors on flushing line | Probably causative | NK | 2 | 22 | N |
| 469 | Coagulase-negative staphylococcus | Y | | Possible contaminant | S | 2 | NK | NK |

Table 2 (web-only). Organisms isolated from sites other than blood from patients presenting with probable infection or fever ranked by day of onset.

PLACEBO

| Patient number | Organism | Fever | Culture site | FQ sensitivity | Cycle No. | Cycle day |
|----------------|-------------------------------|-------|----------------------|----------------|-----------|-----------|
| 7 | <i>Staphylococcus aureus</i> | N | Hickman line | NK | 5 | 2 |
| 15 | coliform | N | MSU | Not tested | 2 | 2 |
| 337 | enterococcus | Y | MSU | NK | 4 | 5 |
| 491 | enterococcus | N | MSU | NK | 2 | 5 |
| 627 | <i>Haemophilus influenzae</i> | N | Sputum | NK | 1 | 5 |
| 366 | <i>Staphylococcus aureus</i> | N | Sputum | NK | 3 | 8 |
| 607 | <i>E.coli</i> | N | MSU | Y | 1 | 8 |
| 1236 | <i>Staphylococcus aureus</i> | N | Line exit site | NK | 3 | 9 |
| 1265 | coliform | N | MSU | Y | 2 | 9 |
| 1287 | <i>Staphylococcus aureus</i> | N | Laminectomy wound | N | 2 | 10 |
| 44 | <i>Staphylococcus aureus</i> | Y | PICC line tip | NK | 3 | 11 |
| 123 | <i>Pseudomonas</i> spp | Y | Wound | Y | 1 | 11 |
| 459 | coliform | N | Wound | Y | 2 | 11 |
| 604 | <i>Staphylococcus aureus</i> | N | PICC line wound swab | NK | 1 | 11 |
| 335 | <i>E. coli</i> | N | MSU | NK | 1 | 12 |
| 337 | enterococcus | Y | MSU | NK | 2 | 12 |
| 490 | <i>Staphylococcus aureus</i> | N | Hickman line | NK | 4 | 12 |
| 1236 | <i>Staphylococcus aureus</i> | N | Line exit site | NK | 4 | 12 |
| 153 | <i>Morexella catarrhalis</i> | N | Sputum | NK | 1 | 13 |
| 1114 | <i>Staphylococcus aureus</i> | Y | Exit site | NK | 3 | 13 |
| 327 | <i>Haemophilus influenzae</i> | N | Sputum | NK | 3 | 14 |
| 918 | <i>Staphylococcus aureus</i> | N | Hickman line | NK | 6 | 14 |
| 1295 | <i>Staphylococcus aureus</i> | Y | Buttock swab | Y | 1 | 14 |
| 1472 | <i>E.coli</i> | N | MSU | Y | 1 | 14 |
| 1086 | coliform | N | MSU | NK | 2 | 15 |
| 617 | <i>E.coli</i> | N | MSU | NK | 2 | 16 |
| 918 | <i>Staphylococcus aureus</i> | N | Hickman line | NK | 5 | 18 |
| 844 | coliform | Y | MSU | Not tested | 1 | 19 |
| 844 | <i>Staphylococcus aureus</i> | Y | Sputum | N | 1 | 19 |
| 918 | <i>Staphylococcus aureus</i> | N | Hickman line | NK | 1 | 19 |
| 1295 | <i>Staphylococcus aureus</i> | N | Digit wound | NK | 4 | 20 |
| 1086 | coliform | N | MSU | NK | 3 | 21 |
| 1295 | <i>Staphylococcus aureus</i> | Y | Digit wound | NK | 2 | 21 |
| 284 | coliform | N | MSU | Y | 2 | 22 |
| 740 | <i>Staphylococcus aureus</i> | N | Mastectomy scar | NK | 2 | 22 |
| 837 | coliform | N | MSU | NK | 2 | 22 |
| 918 | <i>Staphylococcus aureus</i> | N | Hickman line | NK | 2 | 22 |
| 1259 | <i>Staphylococcus aureus</i> | Y | Sputum | NK | 3 | 22 |
| 1417 | coliform | N | MSU | Y | 3 | 22 |
| 369 | enterococcus | N | MSU | NK | 4 | 27 |
| 866 | <i>Haemophilus influenzae</i> | N | Sputum | Y | 1 | 35 |

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| Patient number | Organism | Fever | Culture site | FQ sensitivity | Cycle No. | Cycle day |
|----------------|---------------------------------|-------|--------------------|----------------|-----------|-----------|
| 707 | <i>Staphylococcus aureus</i> | N | Hand wound | NK | 6 | 2 |
| 13 | <i>Staphylococcus aureus</i> | N | MSU | NK | 3 | 5 |
| 82 | <i>E.coli</i> | N | MSU | Y | 3 | 8 |
| 24 | <i>Streptococcus pneumoniae</i> | N | Sputum | NK | 4 | 9 |
| 82 | <i>E.coli</i> | N | MSU | Y | 4 | 10 |
| 660 | coliforms | N | Bronchial lavage | Y | 5 | 18 |
| 1466 | enterococcus | N | MSU | NK | 3 | 28 |
| 1427 | <i>Streptococcus pneumoniae</i> | Y | Bronchial washings | N | 3 | 29 |

Note: Most patients were taking trial medication between day 8 and 15 of a three week cycle (shaded blue).