**Table S1 – Post-cranioplasty SSI details on bone flap cultures, SSI pathogens and antibiotics regimen**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Case** | **BF culture - craniectomy** | **BF culture - cranioplasty** | **SSI organisms(s)** | **SSI classification** | **Initial antibiotics** | **Final antibiotics** | **Duration of Abx** | **Time of SSI from cranioplasty (days)** |
| 1 | *CoNS, C. acnes* | *----* | *MSSA* | Organ-space | Meropenem, Vancomycin | Cloxacillin | 6 weeks | 33 |
| 2 | Negative | *C. acnes* | *CoNS, Corynebacterium, Candida albicans* | Organ-space | Vancomycin | Vancomycin, Fluconazole | 6 weeks | 693 |
| 3 | *C. acnes* | *C. acnes* | *MSSA* | Organ-space | Meropenem, Vancomycin | Cloxacillin | 6 weeks | 229 |
| 4 | *C. acnes* | *Negative* | *CoNS* | Superficial | CTX, Vancomycin | Cloxacillin | 6 weeks | 152 |
| 5 | Negative | *C. acnes* | *----* | Superficial | Penicillin | Penicillin | 6 weeks | 322 |
| 6 | *CoNS* | *----* | *CoNS* | Organ-space | CTX, Vancomycin | Vancomycin | 6 weeks | 12 |
| 7 | *C. acnes* | *CoNS* | *K. pneumoniae, diphtheroid bacilli* | Organ-space | CTX, Vancomycin | Ceftriaxone | 4 weeks | 60 |
| 8 | *C. acnes* | Negative | *MSSA* | Organ-space | Cloxacillin, Vancomycin | Cloxacillin | 6 weeks | 74 |
| 9 | *C. acnes* | *C. acnes* | *Enterobacter aerogenes* | Organ-space | Meropenem | Ciprofloxacin | 6 weeks | 10 |
| 10 | *C. acnes* | *C. acnes* | *MSSA* | Organ-space | CTX, Vancomycin | Cloxacillin | 6 weeks | 90 |
| 11 | Negative | *MSSA* | *MSSA, Pseudomonas aeruginosa* | Organ-space | CTX, Vancomycin | Pip/Tazo | 6 weeks | 7 |
| 12 | *CoNS, E. faecalis* | *CoNS* | *CoNS, E. faecalis, Diphtheroid bacilli, yeast* | Superficial | Vancomycin, Fluconazole | Meropenem, Vancomycin, Fluconazole | 4 weeks | 13 |
| 13 | Negative | Negative | *----* | Organ-space | Meropenem, Vancomycin | Meropenem, Vancomycin | 3 weeks | 10 |
| 14 | *CoNS* | *CoNS* | *Pseudomonas aeruginosa* | Organ-space | Meropenem, Vancomycin | Ceftazidime | 3 weeks | 11 |
| 15 | *CoNS* | *viridans group Streptococcus, Aerobic spore forming bacilli* | *MSSA, E. cloacae* | Organ-space | Meropenem, Cloxacillin | Meropenem | 6 weeks | 43 |
| 16 | *C. acnes* | *Diphtheroid bacilli* | *P. mirabilis* | Organ-space | CTX | CTX | 6 weeks | 252 |

*Abbreviations: SSI, surgical site infection; BF, bone flap; CoNS, coagulase-negative Staphylococcus (non-S. lugdunensis); MSSA, methicillin-susceptible Staphylococcus aureus; CTX: Ceftriaxone*