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| **Appendix: List of antimicrobial agents received during hospitalization** |
| **Study ID** | **Culture Result** | **Valve Type** | **Number of Antibiotics** | **Antimicrobial Agents** |
| 1 | Viridans streptococci | Native | 5 | Azithromycin, Ceftriaxone, Gentamicin, Penicillin, Vancomycin |
| 2 | Viridans streptococci | Native | 5 | Cefazolin, Ceftriaxone, Gentamicin, Penicillin, Vancomycin |
| 3 | Viridans streptococci | Native | 4 | Cefazolin, Ceftriaxone, Gentamicin, Vancomycin |
| 4 | Viridans streptococci | Native | 4 | Cefazolin, Ceftriaxone, Penicillin, Vancomycin |
| 5 | Viridans streptococci | Native | 3 | Cefazolin, Ceftriaxone, Vancomycin |
| 6 | Viridans streptococci | Native | 3 | Cefazolin, Ceftriaxone, Vancomycin |
| 7 | Viridans streptococci | Native | 6 | Cefazolin, Clindamycin, Daptomycin, Oxacillin, Penicillin, Vancomycin |
| 8 | Viridans streptococci | Native | 6 | Cefepime, Ceftriaxone, Gentamicin, Levofloxacin, Metronidazole, Vancomycin |
| 9 | Viridans streptococci | Native | 5 | Ceftriaxone, Gentamicin, Levofloxacin, Penicillin, Vancomycin |
| 10 | Viridans streptococci | Native | 5 | Ceftriaxone, Gentamicin, Penicillin, Piperacillin-Tazobactam, Vancomycin |
| 11 | Viridans streptococci | Native | 5 | Ceftriaxone, Meropenem, Penicillin, Piperacillin-Tazobactam, Vancomycin |
| 12 | Viridans streptococci | Native | 2 | Ceftriaxone, Nafcillin |
| 13 | Viridans streptococci | Native | 3 | Ceftriaxone, Penicillin, Vancomycin |
| 14 | Viridans streptococci | Native | 2 | Ceftriaxone, Vancomycin |
| 15 | Viridans streptococci | Native | 2 | Ceftriaxone, Vancomycin |
| 16 | Viridans streptococci | Native | 2 | Gentamicin, Penicillin |
| 17 | Viridans streptococci | Native | 3 | Gentamicin, Penicillin, Vancomycin |
| 18 | Viridans streptococci | Native | 3 | Gentamicin, Penicillin, Vancomycin |
| 19 | Viridans streptococci | Native | 3 | Gentamicin, Penicillin, Vancomycin |
| 20 | Viridans streptococci | Native | 2 | Gentamicin, Vancomycin |
| 21 | Viridans streptococci | Native | 4 | Levofloxacin, Metronidazole, Piperacillin-Tazobactam, Vancomycin |
| 22 | Viridans streptococci | Native | 2 | Levofloxacin, Vancomycin |
| 23 | Viridans streptococci | Native | 3 | Penicillin, Piperacillin-Tazobactam, Vancomycin |
| 24 | Viridans streptococci | Native | 2 | Penicillin, Vancomycin |
| 25 | Viridans streptococci | Prosthetic | 6 | Cefepime, Ceftriaxone, Gentamicin, Penicillin, Rifampicin, Vancomycin |
| 26 | Viridans streptococci | Prosthetic | 5 | Cefepime, Ceftriaxone, Gentamicin, Penicillin, Vancomycin |
| 27 | Viridans streptococci | Prosthetic | 2 | Ceftriaxone, Gentamicin |
| 28 | Viridans streptococci | Prosthetic | 5 | Ceftriaxone, Gentamicin, Penicillin, Rifampicin, Vancomycin |
| 29 | Viridans streptococci | Prosthetic | 4 | Levofloxacin, Metronidazole, Piperacillin-Tazobactam, Vancomycin |
| 30 | Streptococcus pneumoniae | Native | 2 | Azithromycin, Ceftriaxone |
| 31 | Abiotrophia defectiva | Native | 5 | Ampicillin, Cefazolin, Ceftriaxone, Gentamicin, Vancomycin |
| 32 | Granulicatella adiacens | Native | 1 | Vancomycin |
| 33 | Streptococcus bovis | Prosthetic | 3 | Ceftriaxone, Gentamicin, Vancomycin |
| 34 | Streptococcus bovis | Prosthetic | 3 | Daptomycin, Levofloxacin, Vancomycin |
| 35 | Streptococcus pneumoniae | Prosthetic | 2 | Levofloxacin, Sulfamethoxazole/Trimethoprim |
| 36 | Enterococcus | Native | 5 | Ampicillin, Azithromycin, Piperacillin-Tazobactam, Streptomycin, Vancomycin |
| 37 | Enterococcus | Native | 5 | Ampicillin, Cefazolin, Gentamicin, Rifampicin, Vancomycin |
| 38 | Enterococcus | Native | 4 | Ampicillin, Cefazolin, Gentamicin, Vancomycin |
| 39 | Enterococcus | Native | 5 | Ampicillin, Ceftriaxone, Gentamicin, Piperacillin-Tazobactam, Vancomycin |
| 40 | Enterococcus | Native | 5 | Ampicillin, Daptomycin, Piperacillin-Tazobactam, Streptomycin, Vancomycin |
| 41 | Enterococcus | Native | 5 | Ampicillin, Gentamicin, Levofloxacin, Piperacillin-Tazobactam, Vancomycin |
| 42 | Enterococcus | Native | 4 | Ampicillin, Gentamicin, Levofloxacin, Vancomycin |
| 43 | Enterococcus | Native | 5 | Ampicillin, Gentamicin, Nafcillin, Piperacillin-Tazobactam, Vancomycin |
| 44 | Enterococcus | Native | 4 | Ampicillin, Gentamicin, Piperacillin-Tazobactam, Vancomycin |
| 45 | Enterococcus | Native | 4 | Cefazolin, Levofloxacin, Metronidazole, Vancomycin |
| 46 | Enterococcus | Native | 3 | Daptomycin, Gentamicin, Vancomycin |
| 47 | Enterococcus | Native | 4 | Gentamicin, isoniazid, Piperacillin-Tazobactam, Vancomycin |
| 48 | Enterococcus | Native | 5 | Gentamicin, Metronidazole, Piperacillin-Tazobactam, Rifampicin, Vancomycin |
| 49 | Enterococcus | Native | 2 | Gentamicin, Vancomycin |
| 50 | Enterococcus | Prosthetic | 5 | Ampicillin, Ceftriaxone, Daptomycin, Gentamicin, Vancomycin |
| 51 | Enterococcus | Prosthetic | 5 | Ampicillin, Ceftriaxone, Fluconazole, Piperacillin-Tazobactam, Vancomycin |
| 52 | Enterococcus | Prosthetic | 5 | Ampicillin, Ceftriaxone, Gentamicin, Metronidazole, Vancomycin |
| 53 | Enterococcus | Prosthetic | 5 | Ampicillin, Daptomycin, Gentamicin, Levofloxacin, Sulfamethoxazole/Trimethoprim |
| 54 | Enterococcus | Prosthetic | 5 | Ampicillin, Ertapenem, Gentamicin, Piperacillin-Tazobactam, Vancomycin |
| 55 | Enterococcus | Prosthetic | 3 | Ampicillin, Gentamicin, Piperacillin-Tazobactam |
| 56 | Enterococcus | Prosthetic | 3 | Ampicillin, Gentamicin, Vancomycin |
| 57 | Enterococcus | Prosthetic | 4 | Cefazolin, Gentamicin, Penicillin, Vancomycin |
| 58 | Enterococcus | Prosthetic | 4 | Ceftriaxone, Daptomycin, Levofloxacin, Vancomycin |
| 59 | Enterococcus | Prosthetic | 3 | Daptomycin, Gentamicin, Vancomycin |
| 60 | Enterococcus | Prosthetic | 3 | Gentamicin, Piperacillin-Tazobactam, Vancomycin |
| 61 | Enterococcus | Prosthetic | 1 | Streptomycin |
| 62 | Proteus | Native | 3 | Ampicillin, Gentamicin, Vancomycin |
| 63 | Enterobacter cloacae | Native | 8 | Azithromycin, Ceftriaxone, ciprofloxacin, Ertapenem, Levofloxacin, Meropenem, tobramycin, Vancomycin |
| 64 | Proteus mirabilis | Native | 5 | Cefazolin, Cefepime, Piperacillin-Tazobactam, tobramycin, Vancomycin |
| 65 | Peptostreptococcus | Native | 7 | Cefazolin, Daptomycin, Fluconazole, Metronidazole, Penicillin, Piperacillin-Tazobactam, Vancomycin |
| 66 | Haemophilus Parainfluenza | Native | 3 | Cefepime, Ceftriaxone, tobramycin |
| 67 | Serratia | Native | 5 | Ceftriaxone, Fluconazole, Gentamicin, Levofloxacin, Vancomycin |
| 68 | Escherichia coli | Native | 4 | Ceftriaxone, Levofloxacin, Metronidazole, Piperacillin-Tazobactam |
| 69 | Pseudomonas aeruginosa | Prosthetic | 7 | Cefepime, ceftazidime, Ceftriaxone, Fluconazole, Gentamicin, Piperacillin-Tazobactam, Vancomycin |
| 70 | Culture negative | Native | 4 | Amoxicillin, Ceftriaxone, Fluconazole, Vancomycin |
| 71 | Culture negative | Native | 3 | Azithromycin, Ceftriaxone, Vancomycin |
| 72 | Culture negative | Native | 3 | Cefazolin, Gentamicin, Vancomycin |
| 73 | Culture negative | Native | 8 | ceftazidime, Ceftriaxone, Gentamicin, Metronidazole, Penicillin, Piperacillin-Tazobactam, Sulfamethoxazole/Trimethoprim, Vancomycin |
| 74 | Culture negative | Native | 3 | Ceftriaxone, Fluconazole, Vancomycin |
| 75 | Culture negative | Native | 4 | Ceftriaxone, Gentamicin, Levofloxacin, Vancomycin |
| 76 | Culture negative | Native | 2 | Ceftriaxone, Vancomycin |
| 77 | Culture negative | Native | 2 | Daptomycin, Vancomycin |
| 78 | Culture negative | Native | 2 | Levofloxacin, Vancomycin |
| 79 | Culture negative | Prosthetic | 1 | Vancomycin |
| 80 | MSSA | Native | 2 | Vancomycin, Oxacillin |
| 81 | MSSA | Native | 5 | Azithromycin, Ceftriaxone, Oxacillin, Piperacillin-Tazobactam, Vancomycin |
| 82 | MSSA | Native | 7 | Cefazolin, Ceftriaxone, Gentamicin, Oxacillin, Penicillin, Rifampicin, Vancomycin |
| 83 | MSSA | Native | 6 | Cefazolin, Clindamycin, Gentamicin, Levofloxacin, Meropenem, Vancomycin |
| 84 | MSSA | Native | 6 | Cefazolin, Gentamicin, Oxacillin, Piperacillin-Tazobactam, Rifampicin, Vancomycin |
| 85 | MSSA | Native | 3 | Cefazolin, Gentamicin, Vancomycin |
| 86 | MSSA | Native | 4 | Cefazolin, Levofloxacin, Meropenem, Vancomycin |
| 87 | MSSA | Native | 2 | Cefazolin, Meropenem |
| 88 | MSSA | Native | 4 | Cefazolin, Meropenem, Piperacillin-Tazobactam, Vancomycin |
| 89 | MSSA | Native | 4 | Cefazolin, Oxacillin, Piperacillin-Tazobactam, Vancomycin |
| 90 | MSSA | Native | 4 | Ceftriaxone, Gentamicin, Oxacillin, Vancomycin |
| 91 | MSSA | Native | 6 | Ceftriaxone, Levofloxacin, Oxacillin, Piperacillin-Tazobactam, Rifampicin, Vancomycin |
| 92 | MSSA | Native | 5 | Ceftriaxone, Metronidazole, Oxacillin, Piperacillin-Tazobactam, Vancomycin |
| 93 | MSSA | Native | 5 | Daptomycin, Gentamicin, Nafcillin, Oxacillin, Vancomycin |
| 94 | MSSA | Native | 5 | Daptomycin, Gentamicin, Penicillin, Rifampicin, Vancomycin |
| 95 | MSSA | Native | 2 | Gentamicin, Oxacillin |
| 96 | MSSA | Native | 4 | Gentamicin, Oxacillin, Piperacillin-Tazobactam, Vancomycin |
| 97 | MSSA | Native | 5 | isoniazid, Levofloxacin, Oxacillin, Piperacillin-Tazobactam, Vancomycin |
| 98 | MSSA | Native | 4 | Levofloxacin, Penicillin, Piperacillin-Tazobactam, Vancomycin |
| 99 | MSSA | Native | 3 | Levofloxacin, Penicillin, Vancomycin |
| 100 | MSSA | Native | 1 | Nafcillin |
| 101 | MSSA | Native | 2 | Nafcillin, Piperacillin-Tazobactam |
| 102 | MSSA | Native | 3 | Oxacillin, Piperacillin-Tazobactam, Vancomycin |
| 103 | MSSA | Native | 3 | Oxacillin, Piperacillin-Tazobactam, Vancomycin |
| 104 | MSSA | Native | 3 | Oxacillin, Piperacillin-Tazobactam, Vancomycin |
| 105 | MSSA | Native | 2 | Oxacillin, Vancomycin |
| 106 | MSSA | Native | 1 | Vancomycin |
| 107 | MSSA | Prosthetic | 2 | Cefazolin, Ceftriaxone |
| 108 | MSSA | Prosthetic | 11 | Cefazolin, Daptomycin, Fluconazole, Gentamicin, Levofloxacin, Meropenem, Nafcillin, Penicillin, Piperacillin-Tazobactam, Rifampicin, Vancomycin |
| 109 | MSSA | Prosthetic | 3 | Cefazolin, Levofloxacin, Vancomycin |
| 110 | MSSA | Prosthetic | 7 | Ceftriaxone, Clindamycin, Gentamicin, Levofloxacin, Meropenem, Piperacillin-Tazobactam, Vancomycin |
| 111 | MSSA | Prosthetic | 7 | Ceftriaxone, Daptomycin, Gentamicin, Oxacillin, Piperacillin-Tazobactam, Rifampicin, Vancomycin |
| 112 | MSSA | Prosthetic | 4 | Gentamicin, Nafcillin, Rifampicin, Vancomycin |
| 113 | MSSA | Prosthetic | 5 | Gentamicin, Oxacillin, Piperacillin-Tazobactam, Rifampicin, Vancomycin |
| 114 | MSSA | Prosthetic | 3 | Nafcillin, Piperacillin-Tazobactam, Vancomycin |
| 115 | MSSA | Prosthetic | 3 | Oxacillin, Rifampicin, Vancomycin |
| 116 | MRSA | Native | 4 | Amikacin, Imipenem-Cilastatin, Piperacillin-Tazobactam, Vancomycin |
| 117 | MRSA | Native | 12 | Ampicillin, Ampicillin-Sulbactam, Azithromycin, Cefazolin, Ceftriaxone, Clindamycin, Daptomycin, Levofloxacin, Metronidazole, Oxacillin, Piperacillin-Tazobactam, Vancomycin |
| 118 | MRSA | Native | 4 | Azithromycin, Ceftriaxone, Ertapenem, Vancomycin |
| 119 | MRSA | Native | 8 | Cefazolin, Ceftriaxone, Daptomycin, Fluconazole, Levofloxacin, Meropenem, Metronidazole, Vancomycin |
| 120 | MRSA | Native | 9 | Cefazolin, Daptomycin, Fluconazole, Gentamicin, Levofloxacin, Meropenem, Rifampicin, tobramycin, Vancomycin |
| 121 | MRSA | Native | 4 | Cefazolin, Daptomycin, Gentamicin, Vancomycin |
| 122 | MRSA | Native | 9 | Ceftriaxone, Daptomycin, Fluconazole, Levofloxacin, Meropenem, Metronidazole, Rifampicin, Sulfamethoxazole/Trimethoprim, Vancomycin |
| 123 | MRSA | Native | 4 | Ceftriaxone, Daptomycin, Gentamicin, Vancomycin |
| 124 | MRSA | Native | 2 | Ceftriaxone, Vancomycin |
| 125 | MRSA | Native | 4 | clarithromycin, Daptomycin, Piperacillin-Tazobactam, Vancomycin |
| 126 | MRSA | Native | 8 | Daptomycin, Gentamicin, Levofloxacin, Meropenem, Metronidazole, Piperacillin-Tazobactam, Rifampicin, Vancomycin |
| 127 | MRSA | Native | 5 | Daptomycin, Gentamicin, Levofloxacin, Piperacillin-Tazobactam, Vancomycin |
| 128 | MRSA | Native | 3 | Daptomycin, Levofloxacin, Vancomycin |
| 129 | MRSA | Native | 3 | Daptomycin, Piperacillin-Tazobactam, Vancomycin |
| 130 | MRSA | Native | 3 | Daptomycin, Piperacillin-Tazobactam, Vancomycin |
| 131 | MRSA | Native | 3 | Daptomycin, Piperacillin-Tazobactam, Vancomycin |
| 132 | MRSA | Native | 5 | erythromycin, Gentamicin, Levofloxacin, Metronidazole, Vancomycin |
| 133 | MRSA | Native | 4 | Fluconazole, Gentamicin, Levofloxacin, Vancomycin |
| 134 | MRSA | Native | 3 | Fluconazole, Piperacillin-Tazobactam, Vancomycin |
| 135 | MRSA | Native | 3 | Levofloxacin, Metronidazole, Vancomycin |
| 136 | MRSA | Native | 3 | Levofloxacin, Piperacillin-Tazobactam, Vancomycin |
| 137 | MRSA | Native | 2 | Levofloxacin, Vancomycin |
| 138 | MRSA | Native | 3 | Penicillin, Piperacillin-Tazobactam, Vancomycin |
| 139 | MRSA | Native | 2 | Piperacillin-Tazobactam, Vancomycin |
| 140 | MRSA | Native | 1 | Vancomycin |
| 141 | MRSA | Prosthetic | 5 | Daptomycin, Ertapenem, Piperacillin-Tazobactam, Rifampicin, Vancomycin |
| 142 | MRSA | Prosthetic | 4 | Daptomycin, Levofloxacin, Metronidazole, Vancomycin |
| 143 | MRSA | Prosthetic | 4 | Daptomycin, Levofloxacin, Piperacillin-Tazobactam, Vancomycin |
| 144 | MRSA | Prosthetic | 4 | Daptomycin, Piperacillin-Tazobactam, Rifampicin, Vancomycin |
| 145 | MRSA | Prosthetic | 2 | Daptomycin, Rifampicin |
| 146 | MRSA | Prosthetic | 2 | Piperacillin-Tazobactam, Vancomycin |
| 147 | MRSA | Prosthetic | 2 | Rifampicin, Vancomycin |
| 148 | CNS | Native | 3 | Azithromycin, Ceftriaxone, Vancomycin |
| 149 | CNS | Native | 6 | Cefepime, Ceftriaxone, Meropenem, Metronidazole, Piperacillin-Tazobactam, Vancomycin |
| 150 | CNS | Native | 5 | Daptomycin, Gentamicin, Levofloxacin, Rifampicin, Vancomycin |
| 151 | CNS | Native | 3 | Gentamicin, Oxacillin, Vancomycin |
| 152 | CNS | Native | 3 | Gentamicin, Oxacillin, Vancomycin |
| 153 | CNS | Native | 2 | Levofloxacin, Vancomycin |
| 154 | CNS | Prosthetic | 4 | Cefepime, Gentamicin, Rifampicin, Vancomycin |
| 155 | CNS | Prosthetic | 4 | Daptomycin, Gentamicin, Levofloxacin, Vancomycin |
| 156 | CNS | Prosthetic | 5 | Gentamicin, Meropenem, Metronidazole, Rifampicin, Vancomycin |
| 157 | CNS | Prosthetic | 2 | Rifampicin, Vancomycin |
| 158 | Polymicrobial | Native | 8 | Amoxicillin, Ampicillin, Gentamicin, Levofloxacin, Oxacillin, Piperacillin-Tazobactam, Rifampicin, Vancomycin |
| 159 | Polymicrobial | Native | 6 | Ampicillin, Ampicillin-Sulbactam, Levofloxacin, Penicillin, Piperacillin-Tazobactam, Vancomycin |
| 160 | Polymicrobial | Native | 3 | Ampicillin-Sulbactam, Piperacillin-Tazobactam, Vancomycin |
| 161 | Group B Streptococci | Native | 5 | Azithromycin, Ceftriaxone, Gentamicin, Piperacillin-Tazobactam, Vancomycin |
| 162 | Group B Streptococci | Native | 4 | Cefazolin, Ceftriaxone, Gentamicin, Penicillin |
| 163 | Group B Streptococci | Native | 3 | Cefazolin, Ceftriaxone, Penicillin |
| 164 | Group B Streptococci | Native | 6 | Cefazolin, Gentamicin, Levofloxacin, Penicillin, Piperacillin-Tazobactam, Vancomycin |
| 165 | Group B Streptococci | Native | 1 | Ceftriaxone |
| 166 | Group B Streptococci | Native | 4 | Ceftriaxone, Clindamycin, Piperacillin-Tazobactam, Vancomycin |
| 167 | Group B Streptococci | Native | 4 | Ceftriaxone, Penicillin, Piperacillin-Tazobactam, Vancomycin |
| 168 | Group B Streptococci | Native | 4 | Gentamicin, Penicillin, Piperacillin-Tazobactam, Vancomycin |
| 169 | Group B Streptococci | Native | 4 | Gentamicin, Penicillin, Piperacillin-Tazobactam, Vancomycin |
| 170 | Group B Streptococci | Prosthetic | 3 | Penicillin, Piperacillin-Tazobactam, Vancomycin |

\*MRSA= Methicillin-resistant Staphylococcus aureus; MSSA= Methicillin-sensitive Staphylococcus aureus

CNS= Coagulase-negative Staphylococcus