**Appendix**

**Supplementary Table.** 2018-2019 Antimicrobial Therapy Guidelines for Enterobacterales Based Upon Xpert Carba-R Result

|  |  |  |
| --- | --- | --- |
| Gene (Carbapenemase) Detected | Ambler Class | Antimicrobial Recommendation |
| *bla*KPC (KPC) | Class A | Ceftazidime-avibactam (preferred)  OR  Polymyxin B +  high dose extended infusion meropenem |
| *bla*IMP (IMP) | Class B | Polymyxin B + second agent based on susceptibility |
| *bla*NDM (NDM) | Class B | Polymyxin B + second agent based on susceptibility  OR  Aztreonam + ceftazidime-avibactam |
| *bla*VIM (VIM) | Class B | Polymyxin B + second agent based on susceptibility |
| *bla*OXA-48 (OXA-48) | Class D | Polymyxin B + second agent based on susceptibility  OR  Ceftazidime-avibactam + second agent based on susceptibility |