

K09

Keynote Lecture

Device-related infection

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Devices such as arthroplasties and other types of orthopedic instrumentation, intravascular and dialysis catheters, vascular access ports, cardiovascular implantable electronic devices, cerebrospinal fluid shunts, and breast implants are commonplace and in many cases, increasingly used, in today's medical practice. A minority of such devices will become infected; appropriate recognition and diagnosis of device-associated infection is critical to direct management, preserve or restore adequate function and prevent excess morbidity. Diagnosis of infections associated with medical devices requires techniques and interpretive criteria specific to medical device-associated infection. When directed toward microbial detection, these techniques typically target biofilms. This session will focus on the microbiology and diagnosis of device-related infections, including the role of molecular diagnostics.