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Evolving role of clinical microbiology: Impact of rapid bacterial identification and antimicrobial resistance

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Application of State-of-the-Art technology in clinical microbiology has recently seen the dramatic evolution of bacterial identification methods to enable rapid laboratory diagnosis, bringing the clinical microbiology laboratory to the forefront. While rapid bacterial identification plays a crucial role in empiric antibiotic treatment, in some instances it may also assist in determining the epidemiology of the infection. The current clinical environment thus demands that the clinical microbiologists maintain close communication with the clinicians, enabling timely translation of laboratory results to patient care. The above concepts along with increasing antimicrobial resistance will be illustrated further with clinical scenarios encountered in daily clinical practice.

Biography

Sudha Pottumarthy Boddu has completed her graduation from Medical School in India. She has completed her Pathology/Microbiology Fellowship training with the Royal College of Pathologists of Australasia. She is a recipient of various awards and scholarships, including the Neil Prentice Memorial Prize of RCPA. She has gained experience in various hospitals, research and public health laboratories in the US, publishing over 30 articles in peer-reviewed journals.

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