

Jyotsna S. Shah, PhD, MBA, CCLD

Diagnosis of tick-borne diseases other than Lyme disease

Presentation Outline:

1. Pathogens that are transmitter by the same tick that carries *Borrelia burgdorferi*.
2. Background and life-cycles of these pathogens.
3. Diseases caused by these pathogens and their current treatment protocols.
4. How are these infections diagnosed currently?

Learning Objectives:

At the end of the presentation, attendees should be able to:

1. Identify other tick-borne diseases.
2. Review tests available for the diagnosis of the other tick-borne diseases.

About Dr. Shah:

Dr Jyotsna Shah is the Vice- President and Laboratory Director of IGeneX Laboratory. She has over 20 years of research experience in immunology, molecular biology and microbiology. She did her B.Sc. in Biological Sciences and Chemistry and M.Sc. in Biochemistry in the UK. After completion of her master's degree, she went back to Kenya and started working on parasitic diseases at the Nairobi University. After getting her Ph.D. degree, she joined International Laboratory for Research on Animal Diseases (ILRAD) as a post-doctoral scientist where she started the first DNA sequencing laboratory in E. Africa. On completion of her fellowship, she joined Harvard University, Department of Tropical Medicine as a research fellow and continued work on development of molecular tools for diagnosis of parasitic diseases. Since then she has worked at several Biotechnology companies, mostly involved in development of novel technologies for diagnosis of infectious diseases.

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