

# 10<sup>th</sup> World Congress on VIROLOGY AND MYCOLOGY

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## Viruses and fungi do the “darndest” things!!

Jyoti Somani

Alexandra Health, Khoo Teck Puat Hospital, Singapore

This plenary talk will be a case based discussion of two proven, serious viral infections in immune-competent patients as well as a fatal fungal infection in a foreign worker. The discussion for the viral infections will focus on the immune system response to viral infections versus the pathogenicity of the viruses themselves. The differential diagnosis and work up of infectious etiologies of transverse myelitis will be discussed. Finally, the latest data on the risk of primary varicella and H. Zoster in patients who received primary vaccination with the chicken pox vaccine will be reviewed. The case based discussion about the invasive fungal infection in a young foreign worker will include a discussion on the iatrogenic risk factors for fungal infections. There will also be a focused review on the changing epidemiology of fungal and yeast infections in relatively immune-competent patients as well as the optimal activity of the newer anti-fungal agents against the more unusual yeast and fungi that are more commonly being seen. In the era of newer anti-fungal agents it is important to know the nuances of the spectrum of activity as well as the various sites of penetration (CSF, bone, etc.) for these medications.

## Biography

Somani is from the U.S.A and after completing Medical School at the University of Cincinnati College of Medicine, she completed her Internal Medicine Residency training at the University of Chicago Hospitals followed by a three year Infectious Disease Fellowship at Emory University. Her research focus was on T-cell immunity and vaccines in Bone Marrow Transplant patients. She was an Assistant Professor at Emory University where she focused on Transplant ID as well as general ID and HIV. She then spent 4 years in Chennai, India where she was involved in an HIV/AIDS and Leadership Training Fellowship. She then spent time in private practice in Infectious Diseases back in the U.S. Most recently she was in Jakarta, Indonesia where she was a Consultant for the Siloam Lippo Hospital group. Since Nov 2014, she has been a Senior Consultant in Infectious Disease for Alexandra Health/KTPH in Singapore.

somani.jyoti@alexandrahealth.com.sg, jyosomani@gmail.com

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