Department of Public Health Sciences

GRAND ROUNDS

"Vaccination of Healthcare Personnel against Varicella: Using Computational Modeling to Inform Healthcare Policy"

Occupational Health practices related to screening and/or vaccinating health care personnel for varicella vary widely across healthcare facilities, as the risks, costs, and benefits of various interventions are poorly understood.

As clinical trials are not always feasible or practical, computational modeling is used to inform healthcare policy.

This presentation will discuss a decision tree model designed to assess the clinical, economic, and operational effects of various potential policies of screening and vaccinating health care personnel for varicella. Monte Carlo simulations and one-way sensitivity analysis address the uncertainties inherent in the assumptions and parameters of the model. Possible alternative epidemiological and technological scenarios are also explored in the model.

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October 16, 2013
11:45-12:45 pm

Clinical Research Building
Conference Room 989
1120 NW 14th Street
Miami, FL 33136

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