

Pandemic Planning Roundtable

Chaired by:

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Director of Student Health Services

Carnegie Mellon University

With panelist:

John Covely

Pandemic Influenza Consultant

Monday, January 28, 2008

2:00 p.m. – 3:00 p.m. EST



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*Anita Barkin DrPH, MSN, CRNP
January 28, 2008*

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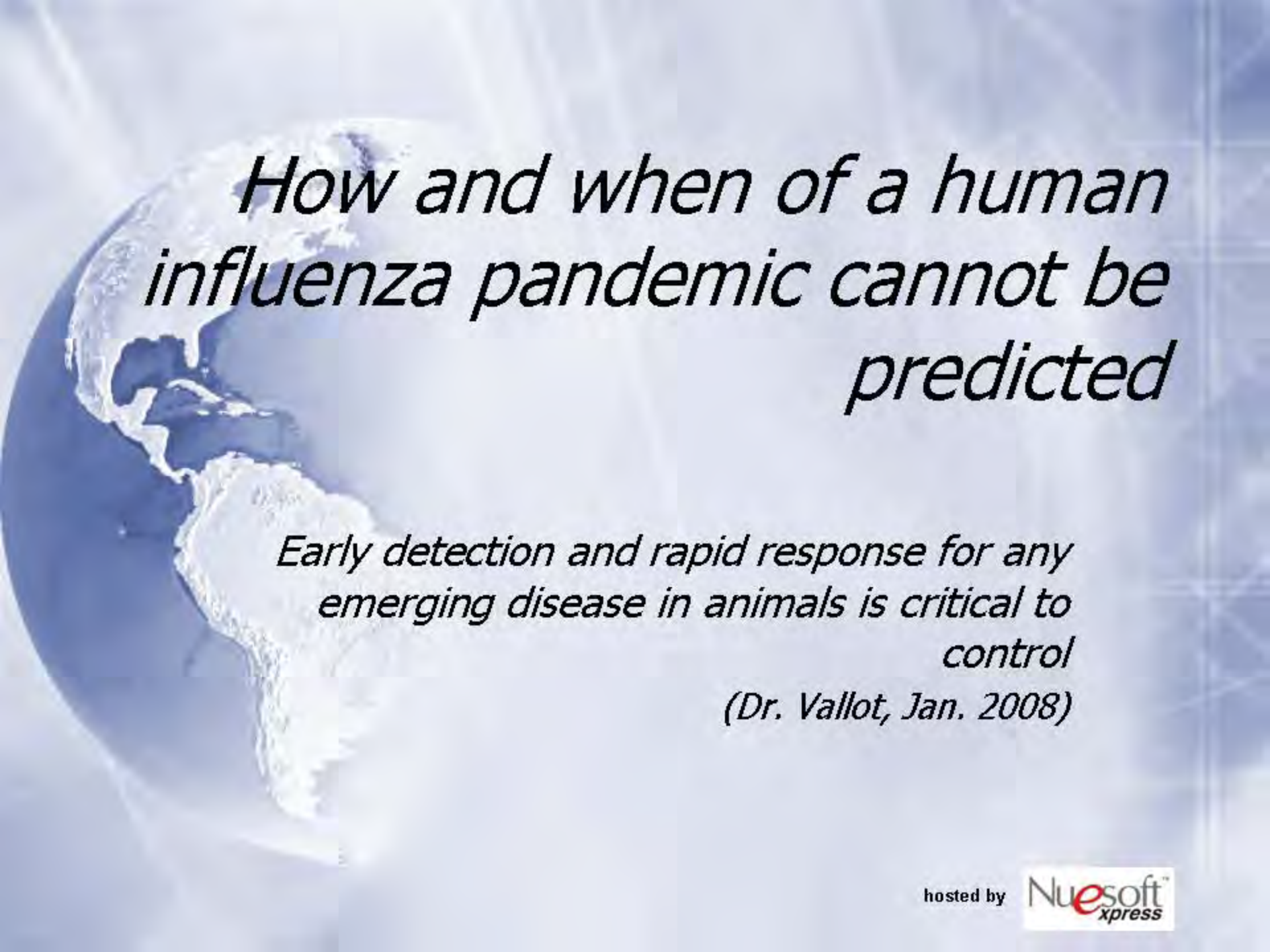


Current Status of H5N1

- ✧ Remains highly virulent but has been quite stable over the past few years.
- ✧ Epidemiologic behavior has remained the same since 2003.
- ✧ Stable behavior does not rule out risk of mutation.

Current Status of H5N1

- ✧ First case in Pakistan - 12/27/07
- ✧ Since 2003 - 353 cases/221 deaths
 - ✧ 2006 - 115 cases/79 deaths
 - ✧ 2007 - 86 cases/59 deaths
 - ✧ 2008 - 4 cases/4 deaths
- ✧ Animal cases in 48 countries



*How and when of a human
influenza pandemic cannot be
predicted*

*Early detection and rapid response for any
emerging disease in animals is critical to
control*

(Dr. Vallot, Jan. 2008)

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Vaccine

- ✧ Major focus of government spending is on vaccine development
 - ✧ Goal #1 – Establish and maintain a dynamic pre-pandemic vaccine for 20 mil people and stockpile.
 - ✧ Goal #2 – Provide pandemic vaccine within 6 months to all US citizens (600 mil doses/2 doses per person)
- ✧ Prioritization of distribution for vaccine
 - ✧ A-list - health care providers, EMS, law enforcement, firefighters, manufacturers of vaccine, antivirals, pregnant women, infants and toddlers
- ✧ Animal models indicate seasonal influenza vaccination may mitigate mortality from H5N1
 - ✧ Take home message is get your flu shot

Point-of-Care Diagnostics

✧ Available tests require

- ✧ specially equipped labs
- ✧ 1-2 weeks for results

✧ Goal

- ✧ Inexpensive
- ✧ No special lab requirements
- ✧ Can test large numbers

Masks

✧ Masks -

- ✧ Interim guidelines available at www.pandemicflu.gov.
- ✧ N95s for health care providers, consider support staff coming in contact with infected patients.
- ✧ FDA approved N95 respirators manufactured by 3M for public purchase.
- ✧ Surgical masks for infected individuals to wear to control dissemination of respiratory secretions.

Antivirals

- ❖ Mortality is linked to viral load, hypercytokinemia, and cytokine dysregulation
- ❖ New antiviral on the horizon
 - ❖ Peramivir
- ❖ Drug cocktails similar to those used in HIV may be useful

Hot Topics

- ✧ Prioritization of selected populations for vaccination
- ✧ Challenges related to distribution of medications and resources esp. vaccines
- ✧ Variation from State to State in terms of sophistication of planning effort and strategies for managing illness
- ✧ Indirect economic impact

Pandemic Preparedness and College Health

- ✧ 85 schools responding to an ACHA survey on Pandemic Planning
 - ✧ 87% reported having a plan
 - ✧ 67.4% reported conducting drills
 - ✧ 61.6% have done some stockpiling of supplies



Hot Topics for Colleges and Universities

- ✧ Trigger points
- ✧ Stock piling
- ✧ Level of college and university operations

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