

Proposed Update of Patient Placement and PPE Recommendations for Andes and Nipah Viruses (Appendix A)

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Ad hoc Workgroup

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Agenda

- Rationale for Update
- 2. Review of patient placement and PPE considerations for Andes, Nipah
- 3. Questions

Rationale for Update

Rationale

- Recent examples of risk for non-Ebola viral hemorrhagic fever pathogen importation
 - Marburg outbreaks in Equatorial Guinea, Tanzania (2023)
 - Lassa, Crimean Congo Hemorrhagic Fever are often possible diagnoses for ill returning travelers from endemic regions
 - 2 U.S. patients with Nipah on the differential diagnosis (2023)
 - Single imported Andes virus case (person-to-person transmissible hantavirus) in U.S. (2018)

June HICPAC Meeting

- → Proposed updates to personal protective equipment (PPE) and patient placement recommendations for Lassa, CCHF, Marburg, and South American Hemorrhagic Fever viruses were approved
 - Same as PPE and patient placement recommendations for Ebola
- → Additional clarification requested re: Andes/Nipah recommendations

Patient Placement and PPE Recommendations: Andes and Nipah viruses

Andes Virus

- Clinical Illness: fever, chills, headaches, cough, shortness of breath progressing to respiratory failure, coagulopathy, multiorgan dysfunction
- Mortality: 30%, no vaccine/treatment
- Modes of person-to-person transmission: thought to occur during close and prolonged proximity to case-patients via droplet/aerosolized inhalation or contact
- Detection in body fluids: blood/serum/PBMC (PCR; viral isolate), urine (PCR), respiratory samples (PCR), breastmilk (PCR)
- Documented episodes of occupationally-acquired transmission in healthcare: Yes, in setting of no or minimal PPE

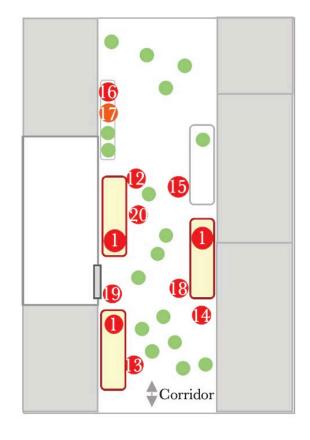
Andes Virus Patient Placement and PPE

- Patient Placement: AllR
- PPE: gown, gloves, eye protection, N95 respirator or higher

Nipah Virus

- Clinical Illness: prodromal phase (fever, HA, myalgia, dizziness), respiratory symptoms, vomiting; neurological symptoms within 1 week (coma, hyporeflexia, areflexia, seizures); survivors may have relapse or late-onset encephalitis
- Mortality: 40-75%, no vaccine/treatment
- Modes of person-to-person transmission: contact with body fluids, especially respiratory secretions; prolonged exposure to case-patients especially those with respiratory symptoms and older age
- Detection in Body fluids: Respiratory samples (PCR, viral culture), urine (PCR)
- Documented episodes of occupationally-acquired transmission in healthcare: Yes, in setting of no or minimal PPE

5 MayCorridor outside CT room



Nipah Virus Patient Placement and PPE

- Patient Placement: AllR
- PPE:
 - If suspect Nipah case and <u>clinically stable</u>: gown, gloves, eye protection, N95 respirator or higher
 - If suspect Nipah case and <u>clinically unstable</u> (e.g., hemodynamic instability, vomiting) OR confirmed Nipah case <u>regardless of clinical</u> <u>stability</u>: use PPE according to clinically unstable VHF guidance

Discussion

Vote

Andes Virus Patient Placement and PPE

- Patient Placement: AllR
- **PPE:** gown, gloves, eye protection, N95 respirator or higher

Nipah Virus Patient Placement and PPE

- Patient Placement: AllR
- PPE:
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 - If suspect Nipah case and <u>clinically unstable</u> (e.g., hemodynamic instability, vomiting) OR
 confirmed Nipah case <u>regardless of clinical stability</u>: use PPE according to clinically unstable VHF
 guidance