



Hantavirus

Andes Hantavirus (ANDV) Diagnostic options

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EPIDEMIC AND PANDEMIC
MANAGEMENT

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Diagnostic approaches for ANDV infection

- RT-PCR
- Serology
 - IgM ELISA
 - IgG ELISA
 - Indirect immunofluorescence assay (IFA)
- Immunohistochemical analysis of tissue samples

Others

- Immuno-chromatographic RDTs – antibody test



EPIDEMIC AND PANDEMIC
MANAGEMENT

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RT-PCR

1. In-house developed tests (IHDT) – primer and probes sequenced and validated protocols
2. Commercial kits – limited
3. Pan (genus) RT-PCR – followed by sequencing

Serological tests

1. In-house developed test protocols
2. Commercial kits

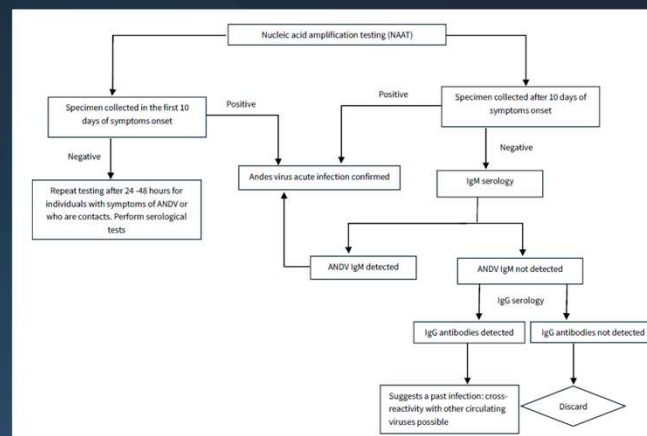
3

Technical consultations

- Standing GDG for diagnosis
- Experts in ANDV endemic countries
- Labs testing cases from MV Honduras
- TAG-VE

Facilitation

- Donations of biological materials
- IHDT RT-PCR protocols
- SOP and guidelines



4

Interim guidance on testing

- Background
- Biological risk management
- Indications for testing
- Choice of clinical specimen
- Laboratory testing methods
- Quality assurance steps
- Reporting

Laboratory testing of Andes virus (*Orthohantavirus andesense*) infection

Interim guidance
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EPIDEMIC AND PANDEMIC
MANAGEMENT

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End



EPIDEMIC AND PANDEMIC
MANAGEMENT

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