Vancouver Coastal Health

Infection Prevention and Control

VRI Testing Algorithm

Admitted Symptomatic Patient on the ward or in Emergency Department (without Spotfire)

- Implement Droplet and Contact Precautions
- If undergoing AGMP implement Droplet and Contact Precautions and AGMP Precautions
- Refer to Viral Respiratory Illness (VRI) Patient Placement Algorithm

High Risk Patient admitted to or pending admission to:
VGH: T4D/LB5, T12A/B/S, T15A/B, T16, BMTD, ICU, BTHA, CSICU, CCU and Pediatric Patients (<18 y/o)
LGH/RH: ICU

Power Chart Order: Extended Respiratory NAT Panel VCH Critical or Pediatric (Local Biofire, Film Array)

Positive

- Maintain Droplet and Contact Precautions
- Single patient room - refer to Viral Respiratory Illness (VRI) Patient Placement Algorithm
- Follow Diseases and Conditions Table for guidance

Negative

Stop isolation if asymptomatic or symptom improvement for 48 hours or if alternate diagnosis

All other symptomatic admitted patients

Order Flu A/B, RSV and COVID-19

Positive

- Maintain Droplet and Contact Precautions
- Single patient room - refer to Viral Respiratory Illness (VRI) Patient Placement Algorithm
- Follow Diseases and Conditions Table for guidance

Negative

Does the patient meet testing criteria for BCCDC extended respiratory panel?

- Hospitalized patient with critical respiratory symptoms and suspected infectious viral etiology not yet identified
- Immunosuppressed (e.g. cancer on chemotherapy, SOT) or medically complex individuals (e.g. with severe comorbidities) where a diagnosis will inform management.
- Cases with extrapulmonary involvement for which viral etiology is suspected including but not limited to myocarditis/pericarditis, encephalitis
- Admitted febrile infants < 3 months of age

Yes

- Order Extended Respiratory Panel Non-Critical BCCDC
- Stop isolation if asymptomatic for 48 hours or if alternate diagnosis

No

Stop isolation if asymptomatic or symptom improvement for 48 hours or if alternate diagnosis

VRI Testing Algorithm

Admitted Symptomatic Patient in Emergency Department (with Spotfire)

- Implement Droplet and Contact Precautions
- If undergoing AGMP implement Droplet and Contact Precautions and AGMP Precautions
- Refer to Viral Respiratory Illness (VRI) Patient Placement Algorithm

