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VIROLOGY WEEKLY REPORT

2011/9 09 March 2011

A summary of laboratory-diagnosed viral infections of interest for the week of 28/02/2011 - 06/03/2011

PRIMARY DIAGNOSTIC REPORTS ON VIRAL INFECTIONS REPORTED THIS WEEK

	Virus Laboratory					TOTAL
	Auckland	Waikato	ESR	Wellington	Christchurch	
Influenza A	1					1
Influenza A H1N1 swl					1	1
Mycoplasma Pneumoniae		1			1	2
Parainfluenza 2	1					1
Rhinovirus		1			1	2
Rotavirus	1				1	2
Varicella Zoster Virus (VZV)	2	4		1	10	17
Adenovirus	5		1			6
Enterovirus	2		5		1	8
Measles	4					4

This week, Middlemore hospital reported 1 Metapneumovirus, and 1 Respiratory Syncytial Virus (RSV) infection.

TYPING AND IDENTIFICATIONS FOR VIRUSES WITH PUBLIC HEALTH IMPORTANCE (ESR and others)

Virus	Type/ subtype	ID Method	Health district	Specimen Type/site	Date Specimen taken	Age/ sex	Clinical data
Adenovirus	Type 3	PCR	CA	Eye	24.1.2011	46 Y/F	Conjunctivitis
Adenovirus	Type 3	PCR	CA	Eye	09.12.2010	30 Y/M	Conjunctivitis
Adenovirus	Type 3	PCR	CA	Eye	10.1.2011	54 Y/M	
Adenovirus	Type 3	PCR	CA	Eye	18.1.2011	9 Y/F	Conjunctivitis
Adenovirus	Type 3	PCR	CA	Eye	30.12.2010	6 M/M	
Adenovirus	Type 3	PCR	CA	Eye	08.1.2011	45 Y/M	
Adenovirus	Type 3	PCR	CA	Eye	07.1.2011	41 Y/M	
Adenovirus	Type 3	PCR	CA	Eye	10.1.2011	24 Y/M	Conjunctivitis
Adenovirus	Type 3	PCR	CA	NPA	10.1.2011	1 Y/F	Respiratory failure
Adenovirus	Type 4	PCR	CA	Eye	31.12.2010	22 Y/F	
Adenovirus	Type 4	PCR	CA	Eye	27.12.2010	43 Y/M	Conjunctivitis
Adenovirus	Type 4	PCR	CA	Eye	24.1.2011	72 Y/F	Conjunctivitis
Adenovirus	Type 14	Seq	CA	Eye	17.12.2010	38 Y/M	
Adenovirus	Type 14	Seq	CB	Eye	04.2.2011	7 M/M	
Enterovirus	Enterovirus type 71	Seq	CA	Faeces	27.1.2011	7 M/M	Fever, lethargy, fatigue, vomiting, Acute flaccid paralysis
Enterovirus	Type 74*	Seq	CA	Faeces	27.11.2010	2 Y/M	Acute Flaccid paralysis
Enterovirus	Type 74*	Seq	CB	Faeces	06.1.2011	1 M/F	
Enterovirus	Coxsackievirus Group B type 2	Seq	CB	Faeces	27.1.2011	22 D/M	
Enterovirus	Echovirus type 4	Seq	WK	Faeces	14.1.2011	35 Y/M	
Measles	Genotype D9	Seq	CA	Throat	03.2.2011	13 Y/F	
Measles		PCR	CA	Swab	26.2.2011	6 M/M	Mother has measles, baby has rash on hands and feet
Measles		PCR	CA	Swab	02.3.2011	26 Y/M	Measles contact
Measles		PCR, IgM	CA	NPA, serum	01.3.2011	8 M/M	

CA: Central Auckland

CB: Canterbury

WK: Waikato

 PCR Polymerase Chain Reaction
 IgM Positive IgM ELISA

 NPA Nasopharyngeal Aspirate
 Seq PCR Sequencing

*This is the first time that an Enterovirus (EV) type 74 has been identified in NZ. This virus was isolated from faecal samples from 2 patients, a 2-year old boy with Acute Flaccid Paralysis from Auckland and a 1 month old baby with febrile illness from Gisborne. Both isolates showed 84% homology to the reference EV type 74.

EV74 is associated with patients with Acute Flaccid paralysis and a variety of illnesses, including respiratory tract infections, neonatal disease and unspecified central nervous system disease. EV74 was first isolated in 2004 from samples collected over 25 year period from five countries on three continents (North America, Europe and Asia).

Data provided by Virology Laboratories of Auckland, Waikato, Christchurch Hospitals, Microbiology Laboratory of Wellington Hospital and Middlemore Hospital ESR.

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