

JUL 1977

BULLETIN 12

3-16 June 1977

Herpes simplex

In the last bulletin we sought readers' views on modification of our description of these viruses which have so far appeared in our tables as -

- 1306 Herpes simplex type 1 (oral)
- 1307 Herpes simplex type 2 (genital)

This usage tends to perpetuate the misconception that oral herpes is necessarily type 1 and genital herpes is necessarily type 2. Since then we have received from the Institute of Clinical Pathology and Medical Research a summary of the sources of their isolates over the last 3 months, shown in the left-hand part of the table below. To this the editorial staff have added a similar breakdown of isolations from all other participating laboratories over periods 7 to 11 inclusive (25 March 1977 to 2 June 1977); this breakdown is shown in the right-hand part of the table.

Source of specimen	ICPMR			Other labs.		
	Type 1	Type 2	Total	Type 1	Type 2	Total
Oral lesions	18	4	22	46	1	47
Genital lesions	15	82	97	9	71	80
Skin lesions	3	4	7	9	4	13
Eye lesions	4	1	5	3	-	3
Stool	1	-	1	-	-	-
Elsewhere/unknown	3	2	5	4	2*	6
Total isolates	44	93	137	71	78	149

* One of these cases refers to bronchial washings being taken in a patient with genital herpes and is presumably a misclassification.

Henceforth our tables will refer simply to Herpes simplex type 1 and type 2 without elaboration.

Another aspect of interest in the table is that the proportions of genital herpes caused by type 1 virus are similar, but the proportion of oral herpes caused by type 2 virus is higher at ICPMR. This may reflect the relatively high workload of this laboratory with sexually transmitted diseases. It should also be

noted that whereas ICPMR types almost all herpes virus, other laboratories do not, and this too might explain or contribute to the observed difference. The table below, from periods 7 to 11 inclusive, illustrates the different laboratory practices.

	ICPMR	All other labs.	Total
Herpes virus not typed	0	12	12
Herpes simplex not typed	5	57	62
Herpes simplex type 1	34	71	105
Herpes simplex type 2	80	78	158
Total	119	218	337

Viruses in immunosuppressed patients

Readers might be interested in the list below, which was compiled from a manual search of records for periods 10 and 11, to give an idea of which patients were having specimens referred. The list may not be complete, as diagnosis is not always known, and some of the patients may not be immunosuppressed - e.g. we have inferred that pericarditis might be due to renal failure.

Organism	Age	Sex	Diagnosis
Adenovirus not typed	42	M	Pericarditis
Parainfluenza type 3	56	M	Renal failure
Herpes virus not typed	21	M	"On cytotoxic drugs"
Herpes simplex not typed	7	F	Acute lymphatic leukaemia
" "	2	F	Leukaemia
Herpes simplex type 1	56	M	Renal transplant
" "	56	M	Transplant
" "	53	F	Pericarditis
" "	73	F	Renal failure
" "	32	M	Renal transplant
" "	45	F	Aplastic anaemia
Cytomegalovirus	45	F	Renal transplant
"	55	F	Renal transplant
"	26	F	Renal transplant
"	56	M	Henoch Schonlein purpura
"	7 months	M	Thrombocytopenia purpura
"	2	M	Neutropenia*
"	37	M	Acute myeloid leukaemia
Adenovirus type pending	5	M	Acute lymphatic leukaemia

* report in both periods 10 and 11.

NATIONAL MICROBIOLOGICAL LABORATORY REPORTING SERVICE

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LABORATORY

VIRUS OR VIRAL ANTIGEN	SYDNEY			MELBOURNE		ADELAIDE	PERTH	TOTAL
	ICPMR	RAHC	PHH/POW	FAIR-FIELD	RCH	IMVS	STATE LAB.	
0100 Adenovirus not typed	1					2	6	9
0101 " type 1				2			1	3
0102 " " 2				2			1	3
0103 " " 3			2					2
0104 " " 4						1		1
0105 " " 5				2			1	3
0106 " " 6						1		1
0107 " " 7							3	3
0108 " " 8				1				1
0300 Parainfluenza not typed						1		1
0301 " type 1		1		2	15	7	4	29
0302 " " 2				1	4	6	21	32
0303 " " 3							10	10
0400 Respiratory syncytial virus (RS)		2		4	28			34
0500 Rhinovirus (all types)				2	6			8
0600 Mycoplasma pneumoniae	4			2		1	5	12
0700 Ornithosis-psittacosis						1	1	2
0809 Coxsackievirus A9							1	1
0903 " B3						1		1
0904 " B4						2		2
0905 " B5							2	2
1003 Echovirus type 3			1					1
1006 " " 6	8		2	6	1			17
1007 " " 7			1					1
1009 " " 9	1		1	4		2		8

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LABORATORY

VIRUS OR VIRAL ANTIGEN	SYDNEY			MELBOURNE		ADELAIDE	PERTH	TOTAL
	ICPMR	RAHC	PHH/POW	FAIR-FIELD	RCH	IMVS	STATE LAB.	
1014 Echovirus type 14					1	1		2
1017 " " 17				2				2
1018 " " 18	1							1
1019 " " 19			1					1
1022 " " 22					1			1
1024 " " 24			1					1
1027 " " 27	1							1
1028 " " 28 = Rhinovirus	1							1
1033 " " 33			1					1
1101 Poliovirus type 1				1				1
1103 " " 3				1			1	2
1200 Mumps virus	2			7	1	4		14
1300 Herpes virus not typed				2			3	5
1301 " simplex virus - not typed		1	3		8			12
1303 Varicella-Zoster virus							1	1
1306 Herpes simplex type 1	10			5		6		21
1307 Herpes simplex type 2	10			1		9		20
1401 Coxiella burneti	13							13
1512 Vaccinia virus			1					1
1521 Measles virus	1							1
1522 Rubella virus				2				2
1532 Hepatitis B antigen	1	1	12	34		10	12	70
1533 " B antibody						16	8	24
1541 TRIC - Trachoma-Inclusion conjunctivitis						2	5	7

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SOURCE OF SPECIMEN

VIRUS OR VIRAL ANTIGEN	FA	BL	NA	CS	SK	EY	UR	GE	BR	OT	TOTAL
0100 Adenovirus not typed	2	6				1					9
0101 " type 1			3								3
0102 " " 2			3								3
0103 " " 3	1						1				2
0104 " " 4						1					1
0105 " " 5			3								3
0106 " " 6			1								1
0107 " " 7	1		2								3
0108 " " 8						1					1
0300 Parainfluenza not typed			1								1
0301 " type 1			29								29
0302 " " 2			31						1		32
0303 " " 3		2	7								9
0400 Respiratory syncytial virus (RS)			34								34
0500 Rhinovirus (all types)			8						1		9
0600 Mycoplasma pneumoniae		12									12
0700 Ornithosis-psittacosis		2									2
0809 Coxsackievirus A9			1								1
0903 " B3	1										1
0904 " B4		2									2
0905 " B5	1	1									2
1003 Echovirus type 3	1										1
1006 " " 6	7		5		1			1	3		17
1007 " " 7	1										1
1009 " " 9			5	3						1	9
								.../2			

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SOURCE OF SPECIMEN

VIRUS OR VIRAL ANTIGEN	SOURCE OF SPECIMEN										TOTAL
	FA	BL	NA	CS	SK	EY	UR	GE	BR	OT	
1014 Echovirus type 14	2		1	1							4
1017 " " 17	1		1								2
1018 " " 18									1		1
1019 " " 19			1								1
1022 " " 22	1										1
1024 " " 24	1										1
1027 " " 27				1							1
1028 " " 28 = Rhinovirus									1		1
1033 " " 33	1										1
1101 Poliovirus type 1	1										1
1103 " " 3	2										2
1200 Mumps virus		6	4	3			1				14
1300 Herpes virus not typed		3			2						5
1301 " simplex virus - not typed			6		3	1		1		1	12
1303 Varicella-Zoster virus		1									1
1306 Herpes simplex type 1			7		9			5	1		22
1307 Herpes simplex type 2					4			15			19
1401 Coxiella burneti		13									13
1512 Vaccinia virus					1						1
1521 Measles virus				1							1
1522 Rubella virus		2									2
1532 Hepatitis B antigen		70									70
1533 " B antibody		24									24
1541 TRIC - Trachoma-Inclusion conjunctivitis						1		6			7

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SOURCE OF SPECIMEN

VIRUS OR VIRAL ANTIGEN	SOURCE OF SPECIMEN										TOTAL
	FA	BL	NA	CS	SK	EY	UR	GE	BR	OT	
1556 CMV - cytomegalovirus		6	4				3	2			15
1562 Reovirus (all types)	1										1
1564 Rotavirus	43										43
TOTAL TYPED VIRUSES	68	150	157	9	20	5	5	30	8	2	454
0199 Adenovirus type pending	1		3								4
0399 Parainfluenza virus type pending			5							1	7
1399 Herpes virus type pending			4		5	1		5			15
1599 Enterovirus type pending	1		3	2							6