Supplementary Table 1: The available data of clinical characteristics and outcome in cases.

Country and	Update	Number of	Age	Gender	Ethnicity	Symptoms	Adenovirus	SARS-CoV-2	Transplantation	Death
areas	date	patients					positive	positive		
England	By May	144	Median age	Female:	White	Jaundice (99; 68.8%),	91/122	16/125	/	0
	16, 2022 ^[1]		was 3 years	50%.	ethnicity	vomiting (83; 57.6%),	(75%)	(12.8%)		
			(IQR = 2-		(113;	pale stools (42.7%),	27/35 were			
			4 years)		86.3%)	diarrhea (43.1%), nausea	type 41F			
						(25.7%), abdominal pain				
						(36.1%), lethargy				
						(48.6%), fever (28.5%),				
						and respiratory				
						symptoms (18.1%).				
	By June	187	Median age	Female:	White	/	/	9.7%	9	0
	17, 2022 ^[2]		was 3 years	49%.	ethnicity					
			(IQR = 2-		(142/187;					
			5 years)		88.2%)					
Scotland	By April	13	Median age	Female:	White	Jaundice (8; 88.9%),	5/11	5/13	1	0
	12, 2022 ^[3]		was	54%	Scottish	abdominal pain (7;	(45.5%)	(38.5%)		
			3.9 years	(7/13).	ethnicity	77.8%), nausea and				
			(IQR = 3.6-		(100%)	malaise (6; 66.7%),				
			4.6 years)			diarrhea or vomiting, and				
						lethargy, but not fever				
						(4/4; 100%).				

	By June 13, 2022 ^[2]	32	/	/	/		/	/	/	/
UK	By June 17, 2022 ^[2]	260	/	/	/	/	156/251 (64.7%)	34/196 (17.3%)	12	0
Europe	By July 1, 2022 ^[4]	473	/	/	/		192/364 (52–7%) 3/8 were type 41F	PCR: 35/322 (10.9%); Serology: 39/61 (63.9%)	20	/
Alabama, United States	By February 2022 ^[5]	9	Median age was 2 years, 11 months (IQR = 1 year, 8 months to 5 years, 9 months)	Female: 78% (7/9).	White ethnicity (100%)	Vomiting (7; 77.8%), diarrhea (6; 66.7%), upper respiratory (3; 33.3%), scleral icterus (8; 88.9%), hepatomegaly (7; 77.8%), jaundice (6; 66.7%), and encephalopathy (1; 11.1%).	9/9 (100%) 5/5 were type 41F	0/9 (-)	2	0

The United	By June	305 (PUIs*)	Median age	Female:	/	/	-/252	/	20	11
States	22, 2022 ^[6]		was 2 years	50%.			(45%)			
							13/20 were			
							type 41F			
Japan	By June	62	Median age	Female:	/	Fever >37.5°C (41/60;	5/59	5/58	0	0
	23, 2022 ^[7]		was 5 years	45%		68%), gastrointestinal	(8%)	(9%)		
			(IQR = 2-	(28/62).		symptoms (31/60; 52%),				
			10 years)			cough (17/60; 28%),				
						jaundice (13/60; 22%),				
						white stools (3/60; 5%),				
						and impaired				
						consciousness (3/60;				
	_				_	5%).				

AST: Aspartate aminotransferase; ALT: Alanine aminotransferase; IQR: Interquartile range; PCR: Polymerase chain reaction; PUI: Patients under investigation; SARS-CoV-2: Severe acute respiratory syndrome.

Children aged <10 years with elevated (>500 U/L) AST or ALT who have an unknown etiology for their hepatitis (with or without any adenovirus testing results, irrespective of the results) since October 1, 2021.

*Current PUI definition.

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