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cross-sectional

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cc/kg

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% /

% /

%

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PCR EIA

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ELISA (IEM)

PCR Latex agglutination test

Electron Microscopy PCR ELISA ()
Latex agglutination test

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%

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CC/Kg/day ≤

()

()

WBC RBC

/

()

()

frequency

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	(/ %)	(/ %)					
	(/ %)	(%)					
	(/ %)	(%)					
	(%)	(%)	% ≤				
	(-)	(-)	WBC				
	(-)	(-)	RBC				
	(%)	(%)	()				

.a

	(/ %)	(/ %)	/ ± /
PCR		/	
		ELISA	
	(% /)		/
	()	(% /)	(%)
	(% /)		
		(% /)	% / / %
(EIA) Enzyme Immune Assay			.(CI % = / /)
	(.)	(% /)	(% /)
		EIA	
	(%)		
	(.)	(%)	
% /			
	/	% /	
EIA			

Reverse Transcription PCR

(.)

% ELISA PCR

(.)

PCR

(.)

% / ELISA

(.)

(LAT)

(ICG)

(EIA)

ICG

RT-PCR EIA

(.)

(.)

LAT

(EIA)

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(ICG)

ICG

EIA

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PCR EIA

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PCR (ICG)

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PCR ICG

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RBC WBC

()

RBC WBC

.()

.()

%

frequency :

:

frequency

REFERENCES

1. Dorsey M.Bass. Rotaviruses, Caliciviruses, and Astroviruses. In: Behrman RM, Kliegman RM, Jenson HB. Nelson textbook of pediatrics. 18th ed. WB Saunders. 2007; PP: 1399-401.
2. Giordano MO, Ferreyra LJ, Isa MB, Martinez LC, Yudowsky SI, Nates SV. The epidemiology of acute viral gastroenteritis in hospitalized children in Cordoba City, Argentina: an insight of disease burden. Rev Inst Med Trop Sao Paulo 2001; 43(4): 193-7.
3. Shimizu H, Phan TG, Nishimura S, Okitsu S, Maneekarn N, Ushijima H. An outbreak of adenovirus serotype 41 infection in infants and children with acute gastroenteritis in Maizuru City, Japan. Infect Genet Evol 2007; 7(2): 279-84.
4. Grimwood K, Carzino R, Barnes GL, Bishop RF. Patients with enteric adenovirus gastroenteritis admitted to an Australian pediatric teaching hospital J Clin Microbiol 1995; 33(1): 131-6.
5. Long SA, Pickering LK, Prober ChG. Pediatric Infectious Diseases. 2nd ed. New York: Churchill living Stone. 2003; PP: 369-71.

6. Brooks GF, Butel JS, Morse SA. *Jawets, Melnick, Adelberg's Medical microbiology*. 23th ed. Boston: MC Graw Hill. 2004; P: 426-508.
7. Naficy AB. Epidemiology of childhood viral diarrhea. *Blood Weekly*. 1999: 13-4.
8. Bon F, Fascia P, Dauvergne M, Tenenbaum D, Planson H, Petion AM, et al. Prevalence of group A rotavirus, human calicivirus, astrovirus and adenovirus type 40 and 41 infections among children with acute gastro enteritis in Dijon, France. *J Clin Microbiol* 1999; 37 (9): 3055-58.
9. Khalili B, Cuevas LE, Reisi N, Dove W, Cunliffe NA, Hart CA. Epidemiology of rotavirus diarrhea in Iranian children. *J Med Virol* 2004; 73(2): 309-12
10. Kazemi A, Tabatabaei F, Agha-Ghazvini R, Kelishadi R. The role of rotavirus in acute pediatric diarrhea in Isfahan, Iran. *Pak J Med Sci* 2006; 22 (3): 282-5.
11. Lee SY, Hong JH, Lee SW, Lee M. Comparisons of latex agglutination, immunochromatography and enzyme immunoassay methods for the detection of rotavirus antigen. *Korean J Lab Med* 2007; 27(6):437-41.
12. Regagnon C, Chambon M, Archimbaud C, Charbonné F, Demeocq F, Labbé A, et al. Rapid diagnosis of rotavirus infections: comparative prospective study of two techniques for antigen detection in stool. *Pathol Biol (Paris)* 2006; 54(6): 343-6.
13. Nguyen TA, Khamrin P, Takanashi S, Le Hoang P, Pham le D, Hoang KT. Evaluation of immunochromatography tests for detection of rotavirus and norovirus among Vietnamese children with acute gastroenteritis and the emergence of a novel norovirus GII.4 variant. *J Trop Pediatr* 2007; 53(4): 264-9.