

## Enterovirus Infections [50 items]

MESH terms: Enterovirus; Enterovirus A, Human; Enterovirus Infections

### Books, Book Chapters, Guidelines, Reports

None

### Dissertations & Theses

1. Badmanathan M. Inflammation and viral localisation in enterovirus 71 encephalomyelitis. MMedSc Dissertation. University of Malaya, 2006.
2. Chan YF. Human enterovirus 71 phylogeny and virulence determinants. PhD Thesis. University of Malaya, 2005.
3. Ong KC. Enterovirus 71 infection: pathogenetic studies in a murine model and in human tissues. PhD Thesis. University of Malaya, 2008.
4. Ooi MH. Human enterovirus 71 disease in Sarawak, Malaysia. PhD Thesis. University of Liverpool, 2011.
5. Shahrina SJ. Developing a diagnostic microarray for enterovirus infections. MSc Dissertation. Universiti Malaysia Sarawak, 2010.
6. Tan CS. Development of a diagnostic tool for the detection of antibodies against human enterovirus 71. MSc Dissertation. Universiti Malaysia Sarawak, 2004
7. Yuwana P. Studies on the epidemiology of neurotropic viruses in Sarawak: 1998 to 2003. MSc Dissertation. Universiti Malaysia Sarawak, 2005.

### Reviews, Editorials, Commentaries

1. Chan YF, Sam IC, Wee KL, *et al.* Enterovirus 71 in Malaysia: A decade later. *Neurology Asia* 2011;16(1):1-15  
<http://www.neurology-asia.org/articles/neuroasia-2011-16%281%29-001.pdf>
2. Chong VHT, Tan CT. Epidemiology of central nervous system infections in Asia, recent trends. *Neurology Asia* 2005;10:7-11  
[http://www.neurology-asia.org/articles/20051\\_007.pdf](http://www.neurology-asia.org/articles/20051_007.pdf)
3. Chua KB, Kasri AR. Hand foot and mouth disease due to enterovirus 71 in Malaysia. *Virology* 2011;26(4):221-8  
[http://159.226.126.16/Jweb\\_vs/CN/article/downloadArticleFile.do?attachType=PDF&id=8448](http://159.226.126.16/Jweb_vs/CN/article/downloadArticleFile.do?attachType=PDF&id=8448)
4. McMinn PC. Enterovirus 71 in the Asia-Pacific region: An emerging cause of acute neurological disease in young children. *Neurology Journal of Southeast Asia* 2003;8:57-63  
[http://www.neurology-asia.org/articles/20032\\_057.pdf](http://www.neurology-asia.org/articles/20032_057.pdf)
5. Ooi MH, Wong SC, Lewthwaite P, *et al.* Clinical features, diagnosis, and management of enterovirus 71. *Lancet Neurol* 2010;9(11):1097-105  
[http://www.researchgate.net/publication/47519229\\_Clinical\\_features\\_diagnosis\\_and\\_management\\_of\\_enterovirus\\_71/file/32bfe51478bdf63de4.pdf](http://www.researchgate.net/publication/47519229_Clinical_features_diagnosis_and_management_of_enterovirus_71/file/32bfe51478bdf63de4.pdf)
6. Solomon T, Lewthwaite P, Perera D, *et al.* Virology, epidemiology, pathogenesis, and control of enterovirus 71. *Lancet Infect Dis* 2010;10(11):778-90  
[http://www.researchgate.net/publication/47509549\\_Virology\\_epidemiology\\_pathogenesis\\_and\\_control\\_of\\_enterovirus\\_71/file/d912f51083b2f0c938.pdf](http://www.researchgate.net/publication/47509549_Virology_epidemiology_pathogenesis_and_control_of_enterovirus_71/file/d912f51083b2f0c938.pdf)
7. Wong KT. Emerging and re-emerging epidemic encephalitis: a tale of two viruses. *Neuropathol Appl Neurobiol* 2000;26(4):313-8.
8. Wong KT. Enterovirus-associated neurological disease with special reference to enterovirus 71. *Neurology Journal of Southeast Asia* 2000;5:47-9  
[http://www.neurology-asia.org/articles/20002\\_047.pdf](http://www.neurology-asia.org/articles/20002_047.pdf)

### Original Research

1. Badrul Hisham AS, Nooraini B, Mohd Raili S, *et al.* The hand, foot and mouth disease (HFMD) outbreak in the state of Johor, Malaysia in the year 2000. *Malaysian Journal of Public Health Medicine* 2003;3(1):68-72  
[http://www.mjphm.org.my/mjphm/journals/Volume%203%20\(1\)%20:%202003/\(12\)%2068-72.pdf](http://www.mjphm.org.my/mjphm/journals/Volume%203%20(1)%20:%202003/(12)%2068-72.pdf)

2. Chan YF, Wee KL, Chiam CW, *et al.* Comparative genetic analysis of VP4, VP1 and 3D gene regions of enterovirus 71 and coxsackievirus A16 circulating in Malaysia between 1997-2008. *Trop Biomed* 2012;29(3):451-66  
[http://msptm.org/files/451\\_-\\_466\\_Chan\\_YF.pdf](http://msptm.org/files/451_-_466_Chan_YF.pdf)
3. Chan YF, Sam IC, Sazaly AB. Phylogenetic designation of enterovirus 71 genotypes and subgenotypes using complete genome sequences. *Infect Genet Evol* 2010;10(3):404-12  
[http://www.academia.edu/download/29339504/Chan-2010-Phylogenetic\\_designa.pdf](http://www.academia.edu/download/29339504/Chan-2010-Phylogenetic_designa.pdf)
4. Chan YF, Sazaly AB. Phylogenetic evidence for inter-typic recombination in the emergence of human enterovirus 71 subgenotypes. *BMC Microbiol* 2006;6:74  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1569848>
5. Chan YF, Sazaly AB. Virucidal activity of Virkon S on human enterovirus. *Med J Malaysia* 2005;60(2):246-8  
[http://www.e-mjm.org/2005/v60n2/Enterovirus\\_71.pdf](http://www.e-mjm.org/2005/v60n2/Enterovirus_71.pdf)
6. Chan YF, Sazaly AB. Recombinant human enterovirus 71 in hand, foot and mouth disease patients. *Emerg Infect Dis* 2004;10(8):1468-70  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3320397>
7. Chan LG, Parashar UD, Lye MS, *et al.* Deaths of children during an outbreak of hand, foot, and mouth disease in Sarawak, Malaysia: clinical and pathological characteristics of the disease. For the Outbreak Study Group. *Clin Infect Dis* 2000;31(3):678-83  
<http://cid.oxfordjournals.org/content/31/3/678.full.pdf>
8. Chua KB, Chua BH, Lee CS, *et al.* Genetic diversity of enterovirus 71 isolated from cases of hand, foot and mouth disease in the 1997, 2000 and 2005 outbreaks, Peninsular Malaysia. *Malays J Pathol* 2007;29(2):69-78  
[http://www.mjpath.org.my/2007.2/03Genetic\\_diversity.pdf](http://www.mjpath.org.my/2007.2/03Genetic_diversity.pdf)
9. Chua BH, McMinn PC, Lam SK, *et al.* Comparison of the complete nucleotide sequences of echovirus 7 strain UMMC and the prototype (Wallace) strain demonstrates significant genetic drift over time. *J Gen Virol* 2001;82(Pt 11):2629-39  
<http://jgv.sgmjournals.org/content/82/11/2629.full.pdf>
10. Griffiths MJ, Ooi MH, Wong SC, *et al.* In enterovirus 71 encephalitis with cardio-respiratory compromise, elevated interleukin 1beta, interleukin 1 receptor antagonist, and granulocyte colony-stimulating factor levels are markers of poor prognosis. *J Infect Dis* 2012;206(6):881-92  
<http://jid.oxfordjournals.org/content/206/6/881.full.pdf>
11. Herrero LJ, Lee CS, Hurrelbrink RJ, *et al.* Molecular epidemiology of enterovirus 71 in peninsular Malaysia, 1997-2000. *Arch Virol* 2003;148(7):1369-85.
12. Hooi PS, Chua BH, Lee CSM, *et al.* Hand, foot and mouth disease: University Malaya Medical Centre experience. *Med J Malaysia* 2002;57(1):88-91  
[http://www.e-mjm.org/2002/v57n1/Hand\\_Foot\\_Mouth\\_Disease.pdf](http://www.e-mjm.org/2002/v57n1/Hand_Foot_Mouth_Disease.pdf)
13. Lum LCS, Wong KT, Lam SK, *et al.* Adenovirus in EV71-associated hand, foot, and mouth disease. *Lancet* 2000;355(9198):146-7.
14. McMinn PC, Lindsay K, Perera D, *et al.* Phylogenetic analysis of enterovirus 71 strains isolated during linked epidemics in Malaysia, Singapore, and Western Australia. *J Virol* 2001;75(16):7732-8  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC115010>
15. Ong KC, Badmanathan M, Devi S, *et al.* Pathologic characterization of a murine model of human enterovirus 71 encephalomyelitis. *J Neuropathol Exp Neurol* 2008;67(6):532-42.
16. Ooi MH, Wong SC, Anand M, *et al.* Identification and validation of clinical predictors for the risk of neurological involvement in children with hand, foot, and mouth disease in Sarawak. *BMC Infect Dis* 2009;9:3,2334-9-3  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2637878>
17. Ooi MH, Solomon T, Podin Y, *et al.* Evaluation of different clinical sample types in diagnosis of human enterovirus 71-associated hand-foot-and-mouth disease. *J Clin Microbiol* 2007;45(6):1858-66  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1933032>
18. Ooi MH, Wong SC, Podin Y, *et al.* Human enterovirus 71 disease in Sarawak, Malaysia: a prospective clinical, virological, and molecular epidemiological study. *Clin Infect Dis* 2007;44(5):646-56  
<http://cid.oxfordjournals.org/content/44/5/646.full.pdf>

19. Perera D, Shimizu H, Yoshida H, *et al.* A comparison of the VP1, VP2, and VP4 regions for molecular typing of human enteroviruses. *J Med Virol* 2010;82(4):649-57.
20. Perera D, Yusof MA, Podin Y, *et al.* Molecular phylogeny of modern coxsackievirus A16. *Arch Virol* 2007;152(6):1201-8  
<http://xa.yimg.com/kg/groups/1920818/583505856/name/Andi+Utama.pdf>
21. Perera D, Podin Y, Winnie A, *et al.* Incorrect identification of recent Asian strains of Coxsackievirus A16 as human enterovirus 71: improved primers for the specific detection of human enterovirus 71 by RT PCR. *BMC Infect Dis* 2004;4:11  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC415548>
22. Podin Y, Gias EL, Ong F, *et al.* Sentinel surveillance for human enterovirus 71 in Sarawak, Malaysia: lessons from the first 7 years. *BMC Public Health* 2006;6:180  
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1543637>
23. Poh CL, Tan EL. Detection of enteroviruses from clinical specimens. *Methods Mol Biol* 2011;665:65-77.
24. Saraswathi BR, Wan Mansor H, Vasantha T, *et al.* An outbreak of echovirus 11 amongst neonates in a confinement home in Penang, Malaysia. *Med J Malaysia* 2007;62(3):223-6  
[http://www.e-mjm.org/2007/v62n3/Echovirus\\_11.pdf](http://www.e-mjm.org/2007/v62n3/Echovirus_11.pdf)
25. Szalay AB, Norazidah S, Chee HY. Adenovirus in EV71-associated hand, foot, and mouth disease. *Lancet* 2000;355(9198):146  
<http://download.thelancet.com/pdfs/journals/lancet/PIIS0140673605720602.pdf?id=qaapWkAAzHF3NdFzphXxu>
26. Szalay AB, Chan YF, Lam SK. Outbreaks of enterovirus 71 infection. *N Engl J Med* 2000;342(5):355-6  
<http://www.nejm.org/doi/pdf/10.1056/NEJM200002033420513>
27. Shekhar K, Lye MS, Norlijah O, *et al.* Deaths in children during an outbreak of hand, foot and mouth disease in Peninsular Malaysia--clinical and pathological characteristics. *Med J Malaysia* 2005;60(3):297-304  
[http://www.e-mjm.org/2005/v60n3/Hand\\_Foot\\_Mouth\\_Disease.pdf](http://www.e-mjm.org/2005/v60n3/Hand_Foot_Mouth_Disease.pdf)
28. Shimizu H, Utama A, Onnimala N, *et al.* Molecular epidemiology of enterovirus 71 infection in the Western Pacific Region. *Pediatr Int* 2004;46(2):231-5.
29. Singh S, Chow VT, Chan KP, *et al.* RT-PCR, nucleotide, amino acid and phylogenetic analyses of enterovirus type 71 strains from Asia. *J Virol Methods* 2000;88(2):193-204.
30. Tan CS, Cardoso MJ. High-titred neutralizing antibodies to human enterovirus 71 preferentially bind to the N-terminal portion of the capsid protein VP1. *Arch Virol* 2007;152(6):1069-73.
31. Tee KK, Takebe Y, Adeeba K. Emerging and re-emerging viruses in Malaysia, 1997-2007. *Int J Infect Dis* 2009;13(3):307-18  
[http://www.researchgate.net/publication/23474409\\_Emerging\\_and\\_re-emerging\\_viruses\\_in\\_Malaysia\\_1997-2007/file/e0b495265ea5062c97.pdf](http://www.researchgate.net/publication/23474409_Emerging_and_re-emerging_viruses_in_Malaysia_1997-2007/file/e0b495265ea5062c97.pdf)
32. Wong KT, Ng KY, Ong KC, *et al.* Enterovirus 71 encephalomyelitis and Japanese encephalitis can be distinguished by topographic distribution of inflammation and specific intraneuronal detection of viral antigen and RNA. *Neuropathol Appl Neurobiol* 2012;38(5):443-53  
[http://umexpert.um.edu.my/file/publication/00007910\\_76971.pdf](http://umexpert.um.edu.my/file/publication/00007910_76971.pdf)
33. Wong KT, Munisamy B, Ong KC, *et al.* The distribution of inflammation and virus in human enterovirus 71 encephalomyelitis suggests possible viral spread by neural pathways. *J Neuropathol Exp Neurol* 2008;67(2):162-9  
[http://www.redorbit.com/news/health/1252629/the\\_distribution\\_of\\_inflammation\\_and\\_virus\\_in\\_human\\_enterovirus\\_71/](http://www.redorbit.com/news/health/1252629/the_distribution_of_inflammation_and_virus_in_human_enterovirus_71/)
34. Yong YK, Chong VHT, Wong KT, *et al.* Aetiology of viral central nervous system infection, a Malaysian study. *Neurology Asia* 2008;13(1):65-71  
[http://www.neurology-asia.org/articles/20081\\_065.pdf](http://www.neurology-asia.org/articles/20081_065.pdf)

#### Case Reports

1. Lum LCS, Chua KB, McMinn PC, *et al.* Echovirus 7 associated encephalomyelitis. *J Clin Virol* 2002;23(3):153-60