

## ***CMV and Breastmilk – What are the Risks?***

### **References**

- Brecht, K. F., Goelz, R., Bevot, A., Krägeloh-Mann, I., Wilke, M., & Lidzba, K. (2015). Postnatal human cytomegalovirus infection in preterm infants has long-term neuropsychological sequelae. *The Journal of pediatrics*, *166*(4), 834-839. DOI: 10.1016/j.jpeds.2014.11.002
- Eidelman, A. I. (2012). Breastfeeding and the use of human milk: an analysis of the American Academy of Pediatrics 2012 Breastfeeding Policy Statement. *Breastfeeding medicine*, *7*(5), 323-324. DOI: 10.1089/bfm.2012.0067
- Gartner, L. M., Morton, J., Lawrence, R. A., & American Academy of Pediatrics. (2005). Section on Breastfeeding. *Breastfeeding and the use of human milk*. *Pediatrics*, *115*(2), 496-506.
- Goelz, R., Hihn, E., Hamprecht, K., Dietz, K., Jahn, G., Poets, C., & Elmlinger, M. (2009). Effects of different CMV-heat-inactivation-methods on growth factors in human breast milk. *Pediatric research*, *65*(4), 458-461. DOI: 10.1203/PDR.0b013e3181991f18
- Gunkel, J., De Vries, L. S., Jongmans, M., Koopman-Esseboom, C., Van Haastert, I. C., Eijsermans, M. C., ... & Nijman, J. (2018). Outcome of preterm infants with postnatal cytomegalovirus infection. *Pediatrics*, *141*(2). DOI: 10.1542/peds.2017-0635
- Josephson, C. D., Caliendo, A. M., Easley, K. A., Knezevic, A., Shenvi, N., Hinkes, M. T., ... & Roback, J. D. (2014). Blood transfusion and breast milk transmission of cytomegalovirus in very low-birth-weight infants: a prospective cohort study. *JAMA pediatrics*, *168*(11), 1054-1062. DOI: 10.1001/jamapediatrics.2014.1360
- Kadambari, S., Whittaker, E., & Lyall, H. (2020). Postnatally acquired cytomegalovirus infection in extremely premature infants: how best to manage? *Archives of Disease in Childhood-Fetal and Neonatal Edition*, *105*(3), 334-339. DOI: 10.1136/archdischild-2019-317650

- Kelly, M. S., Benjamin, D. K., Puopolo, K. M., Laughon, M. M., Clark, R. H., Mukhopadhyay, S., ... & Permar, S. R. (2015). Postnatal cytomegalovirus infection and the risk for bronchopulmonary dysplasia. *JAMA pediatrics*, *169*(12), e153785-e153785. DOI: 10.1001/jamapediatrics.2015.3785
- Lanzieri, T. M., Dollard, S. C., Josephson, C. D., Schmid, D. S., & Bialek, S. R. (2013). Breast milk-acquired cytomegalovirus infection and disease in VLBW and premature infants. *Pediatrics*, *131*(6), e1937-e1945. DOI: 10.1542/peds.2013-0076
- Lloyd, M. L., Hod, N., Jayaraman, J., Marchant, E. A., Christen, L., Chiang, P., ... & Simmer, K. (2016). Inactivation of cytomegalovirus in breast milk using ultraviolet-C irradiation: opportunities for a new treatment option in breast milk banking. *PLoS One*, *11*(8), e0161116.  
DOI: 10.1371/journal.pone.0161116
- Mukhopadhyay, S., Meyer, S. A., Permar, S. R., & Puopolo, K. M. (2016). Symptomatic postnatal cytomegalovirus testing among very low-birth-weight infants: indications and outcomes. *American journal of perinatology*, *33*(09), 894-902. DOI: 10.1055/s-0036-1581080
- Omarsdottir, S., Agnarsdottir, M., Casper, C., Orrego, A., Vanpée, M., Rahbar, A., & Söderberg-Nauclér, C. (2017). High prevalence of cytomegalovirus infection in surgical intestinal specimens from infants with necrotizing enterocolitis and spontaneous intestinal perforation: A retrospective observational study. *Journal of Clinical Virology*, *93*, 57-64. DOI: 10.1016/j.jcv.2017.05.022
- Panesso-Gómez, S., Shimamura, M., Conces, M., Talavera, M. M., Moallem, M., Sánchez, P. J., & Malleske, D. T. (2019). Detection of Cytomegalovirus in Intestinal Tissue of Infants with Necrotizing Enterocolitis or Spontaneous Intestinal Perforation. *The Journal of pediatrics*, *214*, 34-40. DOI: 10.1016/j.jpeds.2019.07.038

Patel, R. M., Shenvi, N., Knezevic, A., Hinkes, M., Bugg, G. W., Stowell, S. R., ... & Josephson, C. (2020).

Observational study of cytomegalovirus from breast milk and necrotising enterocolitis. *Archives of Disease in Childhood-Fetal and Neonatal Edition*, 105(3), 259-265. DOI: 10.1136/archdischild-2018-316613

Skeath, T., Stewart, C., Waugh, S., Embleton, N., Cummings, S., & Berrington, J. (2016). Cytomegalovirus and other common enteric viruses are not commonly associated with NEC. *Acta Paediatrica*, 105(1), 50-52. Doi: 10.1111/apa.13110

Tengsupakul, S., Birge, N. D., Bendel, C. M., Reed, R. C., Bloom, B. A., Hernandez, N., & Schleiss, M. R. (2013). Asymptomatic DNAemia heralds CMV-associated NEC: case report, review, and rationale for preemption. *Pediatrics*, 132(5), e1428-e1434. DOI: 10.1542/peds.2013-0087

Weimer, K. E., Kelly, M. S., Permar, S. R., Clark, R. H., & Greenberg, R. G. (2020). Association of adverse hearing, growth, and discharge age outcomes with postnatal cytomegalovirus infection in infants with very low birth weight. *Jama Pediatrics*, 174(2), 133-140. DOI: 10.1001/jamapediatrics.2019.4532