

## DAFTAR PUSTAKA

- Aini, S.Z., Triono, A., Indaswari, B.W. 2019. *Manifestasi Infeksi Cytomegalovirus (CMV) Terhadap Gangguan Perkembangan Anak di RSUP Dr. Sardjito*. Universitas Gadjah Mada.
- Bilavsky, E., Watad, S., Levy, I., Linder, N., Pardo, J., Ben-Zvi, H., Attias, J., Amir, J. 2017. Positive IgM in Congenital CMV Infection. *Clin. Pediatr. (Phila)*, 56(4):371–375.
- BioMérieux. 2014. *Vidas® CMV IgG Avidity II (CMVA)*. 413557. Marcy-l'Etoile.
- BioMérieux SA. 2016a. *VIDAS® CMV IgG (CMVG)*. 30 204–01. Marcy-l'Etoile.
- BioMérieux SA. 2016b. *VIDAS® CMV IgM (CMVM)*. 30 205–01. Marcy-l'Etoile.
- Boeckh, M., Woogerd, P.M., Stevens-Ayers, T., Ray, C.G., Bowden, R.A. 1994. Factors influencing detection of quantitative cytomegalovirus antigenemia. *J. Clin. Microbiol.*, 32(3):832–834.
- Boeckh, M., Gallez-Hawkins, G.M., Myerson, D., Zaia, J.A., Bowden, R.A. 1997. Plasma polymerase chain reaction for cytomegalovirus dna after allogeneic marrow transplantation. *Transplantation*, 64(1):108–113.
- Bonon, S.H.A., Rossi, C.L., De Souza, C.A., Vigorito, A.C., Costa, S.C.B. 2006. Comparison of serology, antigenemia assay and the polymerase chain reaction for monitoring active cytomegalovirus infections in hematopoietic stem cell transplantation patients. *Rev. Inst. Med. Trop. Sao Paulo*, 48(5):275–278.
- Britt, W. 2016. Cytomegalovirus. in *Remingt. Klein's Infect. Dis. Fetus Newborn Infant*. 8th ed. Philadelphia: Saunders, 706–755. Tersedia pada: <https://www.elsevier.com/books/remington-and-kleins-infectious-diseases-of-the-fetus-and-newborn-infant/wilson/978-0-323-24147-2>.
- Britt, W.J., Boppana, S. 2004. Human cytomegalovirus virion proteins. *Hum. Immunol.*, 65(5):395–402.
- Cannon, M.J., Hyde, T.B., Schmid, D.S. 2011. Review of cytomegalovirus shedding in bodily fluids and relevance to congenital cytomegalovirus infection. *Rev. Med. Virol.*, 21(4):240–255.
- Caurio, C.F.B., Allende, O.S., Kist, R., Santos, K.L., Vasconcellos, I.C.S., Rozales, F.P., Lana, D.F.D., Praetzel, B.M., Alegretti, A.P., Pasqualotto, A.C. 2021. Clinical validation of an in-house quantitative real time PCR assay for cytomegalovirus infection using the 1st WHO International Standard in kidney transplant patients. *J. Bras. Nefrol.*, 43(4):530–538.
- Dioverti, M.V., Razonable, R.R. 2016. Cytomegalovirus. *Microbiol. Spectr.* Diedit oleh R.T. Hayden et al., 4(4).
- Fulkerson, H.L., Nogalski, M.T., Collins-McMillen, D., Yurochko, A.D. 2021. Overview of Human Cytomegalovirus Pathogenesis. in *Methods Mol. Biol.* Methods Mol Biol, 1–18.
- Garrigue, I., Boucher, S., Couzi, L., Caumont, A., Dromer, C., Neau-Cransac, M., Tabrizi, R., Schrive, M.H., Fleury, H., Lafon, M.E. 2006. Whole blood real-time quantitative PCR for cytomegalovirus infection follow-up in transplant recipients. *J. Clin. Virol.*, 36(1):72–75.

- Gentile, G., Picardi, A., Capobianchi, A., Spagnoli, A., Cudillo, L., Dentamaro, T., Tendas, A., Cupelli, L., Ciotti, M., Volpi, A., Amadori, S., Martino, P., de Fabritiis, P. 2006. A prospective study comparing quantitative Cytomegalovirus (CMV) polymerase chain reaction in plasma and pp65 antigenemia assay in monitoring patients after allogeneic stem cell transplantation. *BMC Infect. Dis.*, 6.
- Gibson, W. 2008. Structure and Formation of the Cytomegalovirus Virion. in *Curr. Top. Microbiol. Immunol.*, 187–204.
- Giménez, E., Torres, I., Albert, E., Piñana, J.L., Hernández-Boluda, J.C., Solano, C., Navarro, D. 2019. Cytomegalovirus (CMV) infection and risk of mortality in allogeneic hematopoietic stem cell transplantation (Allo-HSCT): A systematic review, meta-analysis, and meta-regression analysis. *Am. J. Transplant*, 19(9):2479–2494.
- Goel, A., Chaudhari, S., Sutar, J., Bhonde, G., Bhatnagar, S., Patel, V., Bhor, V., Shah, I. 2018. Detection of Cytomegalovirus in Liver Tissue by Polymerase Chain Reaction in Infants With Neonatal Cholestasis. *Pediatr. Infect. Dis. J.*, 37(7):632–636.
- Goossens, V.J., Blok, M.J., Christiaans, M.H.L., Sillekens, P., Middelorp, J.M., Bruggeman, C.A. 2000. Early detection of cytomegalovirus in renal transplant recipients: comparison of PCR, NASBA, pp65 antigenemia, and viral culture. *Transplant. Proc.*, 32(1):155–158.
- Jatilinangkung, M.N., Triono, A., Arguni, E. 2018. *Gambaran Klinis dan Faktor Risiko Kejadian Sensorineural Hearing Loss (SNHL) pada Anak dengan Infeksi Cytomegalovirus Kongenital*. Universitas Gadjah Mada.
- Jorgensen, J.H., Pfaller, M.A., Carroll, K.C. 2015. *Manual of Clinical Microbiology*. 11th ed. Diedit oleh J.H. Jorgensen, M.A. Pfaller, dan K.C. Carroll. Washington, DC: American Society for Microbiology.
- Kirimi, E., Peker, E., Tuncer, O., Ozkan, M., Ozmen, B., Ceylan, A. 2010. DNA-positive, IgM-negative symptomatic congenital cytomegalovirus infection: Two case reports. *J. Matern. Neonatal Med.*, 23(7):725–727.
- Kourtis, A.P., Wiener, J., Chang, T.S., Dollard, S.C., Amin, M.M., Ellington, S., Kayira, D., Van Der Horst, C., Jamieson, D.J. 2015. Cytomegalovirus IgG Level and Avidity in Breastfeeding Infants of HIV-Infected Mothers in Malawi. *Clin. Vaccine Immunol.*, 22(12):1222.
- Landry, M.L., Ferguson, D., Cohen, S., Huber, K., Wetherill, P. 1995. Effect of delayed specimen processing on cytomegalovirus antigenemia test results. *J. Clin. Microbiol.*, 33(1):257–259.
- Lanzieri, T.M., Dollard, S.C., Bialek, S.R., Grosse, S.D. 2014. Systematic review of the birth prevalence of congenital cytomegalovirus infection in developing countries. *Int. J. Infect. Dis.*, 22:44–48.
- Lee, K.Y., Yoo, B.-W., Ahn, S.S., Bae, W.H., Lee, H., Jung, S.M., Lee, S.-W., Park, Y.-B., Song, J.J. 2017. Predictors of mortality in autoimmune disease patients with concurrent cytomegalovirus infections detected by quantitative real-time PCR. *PLoS One*. Diedit oleh J. V Spencer, 12(7):e0181590.
- Leruez-Ville, M., Ville, Y. 2020. Is it time for routine prenatal serological screening for congenital cytomegalovirus? *Prenat. Diagn.*, 40(13):1671–1680.

- Ljungman, P., Boeckh, M., Hirsch, H.H., Josephson, F., Lundgren, J., Nichols, G., Pikis, A., Razonable, R.R., Miller, V., Griffiths, P.D. 2017. Definitions of Cytomegalovirus Infection and Disease in Transplant Patients for Use in Clinical Trials: Table 1. *Clin. Infect. Dis.* Diedit oleh D.R. Snyderman, 64(1):87–91.
- Manicklal, S., Emery, V.C., Lazzarotto, T., Boppana, S.B., Gupta, R.K. 2013. The “silent” global burden of congenital cytomegalovirus. *Clin. Microbiol. Rev.*, 26(1):86–102.
- Mhiri, L., Kaabi, B., Houimel, M., Arrouji, Z., Slim, A. 2007. Comparison of pp65 antigenemia, quantitative PCR and DNA hybrid capture for detection of cytomegalovirus in transplant recipients and AIDS patients. *J. Virol. Methods*, 143(1):23–28.
- Naqvi, S.H., Blair, L.L. 1986. Detection of cytomegalovirus antigen and antibodies in the urine of small infants and children. *J. Med. Virol.*, 18(2):139–147.
- Noviar, G., Ritchie, N.K., Bela, B., Soedarmono, Y.S. 2019. Prevalensi Antibodi IgG dan DNA Cytomegalovirus pada darah donor di unit transfusi darah Provinsi DKI Jakarta. *J. Heal. Epidemiol. Commun. Dis.*, 3(1):28–35.
- Ohyama, S., Fujioka, K., Fukushima, S., Abe, S., Ashina, M., Ikuta, T., Nishida, K., Matsumoto, H., Nakamachi, Y., Tanimura, K., Yamada, H., Iijima, K. 2019. Diagnostic Value of Cytomegalovirus IgM Antibodies at Birth in PCR-Confirmed Congenital Cytomegalovirus Infection. *Int. J. Mol. Sci.*, 20(13).
- Permatasari, R.K., Triono, A., Arguni, E. 2021. Profil Klinis dan Laboratoris Infeksi Sitomegalovirus Kongenital di Rumah Sakit Umum Pusat Dr. Sardjito. *Sari Pediatr.*, 22(5):297.
- Preiser, W., Bräuninger, S., Schwerdtfeger, R., Ayliffe, U., Garson, J.A., Brink, N.S., Franck, S., Doerr, H.W., Rabenau, H.F. 2001. Evaluation of diagnostic methods for the detection of cytomegalovirus in recipients of allogeneic stem cell transplants. *J. Clin. Virol.*, 20(1–2):59–70.
- Putri, N.D., Wiyatno, A., Dhenni, R., Sriyani, I.Y., Dewantari, A.K., Handryastuti, S., Iskandar, A.T.P., Rahma, M.M., Jumiyanti, N., Aprilia, Y.Y., Prayitno, A., Karyanti, M.R., Satari, H.I., Hadinegoro, S.R., Myint, K.S.A., Safari, D. 2019. Birth prevalence and characteristics of congenital cytomegalovirus infection in an urban birth cohort, Jakarta, Indonesia. *Int. J. Infect. Dis.*, 86:31–39.
- Raval, A.D., Kistler, K.D., Tang, Y., Murata, Y., Snyderman, D.R. 2021. Epidemiology, risk factors, and outcomes associated with cytomegalovirus in adult kidney transplant recipients: A systematic literature review of real-world evidence. *Transpl. Infect. Dis.*, 23(2).
- Razonable, R.R., Inoue, N., Pinninti, S.G., Boppana, S.B., Lazzarotto, T., Gabrielli, L., Simonazzi, G., Pellett, P.E., Schmid, D.S. 2020. Clinical Diagnostic Testing for Human Cytomegalovirus Infections. *J. Infect. Dis.*, 221(Supplement\_1):S74–S85.
- Revello, M.G., Lilleri, D., Zavattoni, M., Stronati, M., Bollani, L., Middeldorp, J.M., Gerna, G. 2001. Human cytomegalovirus immediate-early messenger RNA in blood of pregnant women with primary infection and of congenitally infected newborns. *J. Infect. Dis.*, 184(8):1078–1081.

- Richman, D.D., Whitley, R.J., Hayden, F.G. 2017. *Clinical Virology*. 4th ed. Diedit oleh D.D. Richman, R.J. Whitley, dan F.G. Hayden. Washington, DC: ASM Press.
- Riedel, S., Hobden, J.A., Miller, S., Morse, S.A., Mietzner, T.A., Detrick, B., Mitchell, T.G., Sakanari, J.A., Hotez, P., Mejia, R. 2019. *Jawetz, Melnick & Adelberg's Medical Microbiology*. 28th ed. McGraw-Hill Education.
- Roche Diagnostics GmbH. 2015. *High Pure Viral Nucleic Acid Kit*. Cat. No. 11 858 874 001. Mannheim. Tersedia pada: <https://lifescience.roche.com/documents/High-Pure-Viral-Nucleic-Acid-Kit.pdf>.
- Roche Diagnostics GmbH. 2016. *LightCycler FastStart DNA Master HybProbe. In Vitro*. Cat. No. 03 003 248 001 1. Mannheim.
- Roche Diagnostics Ltd. 2008. *LightCycler® 480 Instrument Operator's Manual*. Penzberg. Tersedia pada: [papers://5092023b-8c0d-418f-8230-d544faae6526/Paper/p888](https://papers://5092023b-8c0d-418f-8230-d544faae6526/Paper/p888).
- Santos, S.D.R. dos, Bafi, A.T., Freitas, F.G.R. de, Azevedo, L.C.P. de, Machado, F.R. 2017. Prevalence of citomegalovirus disease in kidney transplant patients in an intensive care unit. *Rev. Bras. Ter. Intensiva*, 29(4):436–443.
- Stöcher, M., Leb, V., Bozic, M., Kessler, H.H., Halwachs-Baumann, G., Landt, O., Stekel, H., Berg, J. 2003. Parallel detection of five human herpes virus DNAs by a set of real-time polymerase chain reactions in a single run. *J. Clin. Virol.*, 26(1):85–93.
- TIB MOLBIOL GmbH. 2014. *LightMix® Kit human Cytomegalovirus (hCMV)*. Cat.-No. 40-0562-32. Berlin.
- Ulfa, S., Triono, A., Indraswari, B.W. 2020. *Perbedaan Derajat Keparahan Sensorineural Hearing Loss (SNHL) berdasarkan Usia Diagnosis pada Pasien Infeksi Cytomegalovirus (CMV) Kongenital di RSUP Dr. Sardjito*. Universitas Gadjah Mada.
- Velzing, J., Rothbarth, P.H., Kroes, A.C.M., Quint, W.G. V. 1994. Detection of cytomegalovirus mRNA and DNA encoding the immediate early gene in peripheral blood leukocytes from immunocompromised patients. *J. Med. Virol.*, 42(2):164–169.
- Vindriyanto, Hapsara, S., Sumadiono. 2006. *Uji diagnostik serologi IgG dan IgM anti CMV, antigenemia darah, antigenemia urin terhadap pemeriksaan virologi dengan metoda polymerase chain reaction (PCR) sebagai penanda diagnostik untuk infeksi cytomegalovirus pada bayi dan anak*. Universitas Gadjah Mada Yogyakarta.
- Wulandari, E.D., Triono, A., Damayanti, W. 2019. *Profil Defisit dan Gejala Sisa Neurologi Pada Infeksi CMV di RSUP Dr. Sardjito*. Universitas Gadjah Mada.
- Yinon, Y., Farine, D., Yudin, M.H. 2010. Screening, diagnosis, and management of cytomegalovirus infection in pregnancy. *Obstet. Gynecol. Surv.*, 736–743.
- Yushinta, M.P., Triono, A., Damayanti, W. 2020. *Gambaran Klinis Kelainan Hepar dan Perbandingan Nilai Fungsi serta Penanda Kerusakan Sel-Sel Hepar Sebelum dan Sesudah Pemberian Gansiklovir pada Pasien Anak Hepatitis CMV di RSUP Dr. Sardjito*. Universitas Gadjah Mada.

- Zanghellini, F., Boppana, S.B., Emery, V.C., Griffiths, P.D., Pass, R.F. 1999. Asymptomatic primary cytomegalovirus infection: virologic and immunologic features. *J. Infect. Dis.*, 180(3):702–707.
- Zuhair, M., Smit, G.S.A., Wallis, G., Jabbar, F., Smith, C., Devleeschauwer, B., Griffiths, P. 2019. Estimation of the worldwide seroprevalence of cytomegalovirus: A systematic review and meta-analysis. *Rev. Med. Virol.*, 29(3):e2034.
- Aini, S.Z., Triono, A., Indaswari, B.W. 2019. *Manifestasi Infeksi Cytomegalovirus (CMV) Terhadap Gangguan Perkembangan Anak di RSUP Dr. Sardjito*. Universitas Gadjah Mada.
- Bilavsky, E., Watad, S., Levy, I., Linder, N., Pardo, J., Ben-Zvi, H., Attias, J., Amir, J. 2017. Positive IgM in Congenital CMV Infection. *Clin. Pediatr. (Phila.)*, 56(4):371–375.
- BioMérieux. 2014. *Vidas® CMV IgG Avidity II (CMVA)*. 413557. Marcy-l’Etoile.
- BioMérieux SA. 2016a. *VIDAS® CMV IgG (CMVG)*. 30 204–01. Marcy-l’Etoile.
- BioMérieux SA. 2016b. *VIDAS® CMV IgM (CMVM)*. 30 205–01. Marcy-l’Etoile.
- Boeckh, M., Woogerd, P.M., Stevens-Ayers, T., Ray, C.G., Bowden, R.A. 1994. Factors influencing detection of quantitative cytomegalovirus antigenemia. *J. Clin. Microbiol.*, 32(3):832–834.
- Boeckh, M., Gallez-Hawkins, G.M., Myerson, D., Zaia, J.A., Bowden, R.A. 1997. Plasma polymerase chain reaction for cytomegalovirus dna after allogeneic marrow transplantation. *Transplantation*, 64(1):108–113.
- Bonon, S.H.A., Rossi, C.L., De Souza, C.A., Vigorito, A.C., Costa, S.C.B. 2006. Comparison of serology, antigenemia assay and the polymerase chain reaction for monitoring active cytomegalovirus infections in hematopoietic stem cell transplantation patients. *Rev. Inst. Med. Trop. Sao Paulo*, 48(5):275–278.
- Britt, W. 2016. Cytomegalovirus. in *Remingt. Klein’s Infect. Dis. Fetus Newborn Infant*. 8th ed. Philadelphia: Saunders, 706–755. Tersedia pada: <https://www.elsevier.com/books/remington-and-kleins-infectious-diseases-of-the-fetus-and-newborn-infant/wilson/978-0-323-24147-2>.
- Britt, W.J., Boppana, S. 2004. Human cytomegalovirus virion proteins. *Hum. Immunol.*, 65(5):395–402.
- Cannon, M.J., Hyde, T.B., Schmid, D.S. 2011. Review of cytomegalovirus shedding in bodily fluids and relevance to congenital cytomegalovirus infection. *Rev. Med. Virol.*, 21(4):240–255.
- Caurio, C.F.B., Allende, O.S., Kist, R., Santos, K.L., Vasconcellos, I.C.S., Rozales, F.P., Lana, D.F.D., Praetzel, B.M., Alegretti, A.P., Pasqualotto, A.C. 2021. Clinical validation of an in-house quantitative real time PCR assay for cytomegalovirus infection using the 1st WHO International Standard in kidney transplant patients. *J. Bras. Nefrol.*, 43(4):530–538.
- Dioverti, M.V., Razonable, R.R. 2016. Cytomegalovirus. *Microbiol. Spectr.* Diedit oleh R.T. Hayden et al., 4(4).
- Fulkerson, H.L., Nogalski, M.T., Collins-McMillen, D., Yurochko, A.D. 2021. Overview of Human Cytomegalovirus Pathogenesis. in *Methods Mol. Biol.*



- Methods Mol Biol, 1–18.
- Garrigue, I., Boucher, S., Couzi, L., Caumont, A., Dromer, C., Neau-Cransac, M., Tabrizi, R., Schrive, M.H., Fleury, H., Lafon, M.E. 2006. Whole blood real-time quantitative PCR for cytomegalovirus infection follow-up in transplant recipients. *J. Clin. Virol.*, 36(1):72–75.
- Gentile, G., Picardi, A., Capobianchi, A., Spagnoli, A., Cudillo, L., Dentamaro, T., Tendas, A., Cupelli, L., Ciotti, M., Volpi, A., Amadori, S., Martino, P., de Fabritiis, P. 2006. A prospective study comparing quantitative Cytomegalovirus (CMV) polymerase chain reaction in plasma and pp65 antigenemia assay in monitoring patients after allogeneic stem cell transplantation. *BMC Infect. Dis.*, 6.
- Gibson, W. 2008. Structure and Formation of the Cytomegalovirus Virion. in *Curr. Top. Microbiol. Immunol.*, 187–204.
- Giménez, E., Torres, I., Albert, E., Piñana, J.L., Hernández-Boluda, J.C., Solano, C., Navarro, D. 2019. Cytomegalovirus (CMV) infection and risk of mortality in allogeneic hematopoietic stem cell transplantation (Allo-HSCT): A systematic review, meta-analysis, and meta-regression analysis. *Am. J. Transplant*, 19(9):2479–2494.
- Goel, A., Chaudhari, S., Sutar, J., Bhonde, G., Bhatnagar, S., Patel, V., Bhor, V., Shah, I. 2018. Detection of Cytomegalovirus in Liver Tissue by Polymerase Chain Reaction in Infants With Neonatal Cholestasis. *Pediatr. Infect. Dis. J.*, 37(7):632–636.
- Goossens, V.J., Blok, M.J., Christiaans, M.H.L., Sillekens, P., Middeldorp, J.M., Bruggeman, C.A. 2000. Early detection of cytomegalovirus in renal transplant recipients: comparison of PCR, NASBA, pp65 antigenemia, and viral culture. *Transplant. Proc.*, 32(1):155–158.
- Jatilinangkung, M.N., Triono, A., Arguni, E. 2018. *Gambaran Klinis dan Faktor Risiko Kejadian Sensorineural Hearing Loss (SNHL) pada Anak dengan Infeksi Cytomegalovirus Kongenital*. Universitas Gadjah Mada.
- Jorgensen, J.H., Pfaller, M.A., Carroll, K.C. 2015. *Manual of Clinical Microbiology*. 11th ed. Diedit oleh J.H. Jorgensen, M.A. Pfaller, dan K.C. Carroll. Washington, DC: American Society for Microbiology.
- Kirimi, E., Peker, E., Tuncer, O., Ozkan, M., Ozmen, B., Ceylan, A. 2010. DNA-positive, IgM-negative symptomatic congenital cytomegalovirus infection: Two case reports. *J. Matern. Neonatal Med.*, 23(7):725–727.
- Kourtis, A.P., Wiener, J., Chang, T.S., Dollard, S.C., Amin, M.M., Ellington, S., Kayira, D., Van Der Horst, C., Jamieson, D.J. 2015. Cytomegalovirus IgG Level and Avidity in Breastfeeding Infants of HIV-Infected Mothers in Malawi. *Clin. Vaccine Immunol.*, 22(12):1222.
- Landry, M.L., Ferguson, D., Cohen, S., Huber, K., Wetherill, P. 1995. Effect of delayed specimen processing on cytomegalovirus antigenemia test results. *J. Clin. Microbiol.*, 33(1):257–259.
- Lanzieri, T.M., Dollard, S.C., Bialek, S.R., Grosse, S.D. 2014. Systematic review of the birth prevalence of congenital cytomegalovirus infection in developing countries. *Int. J. Infect. Dis.*, 22:44–48.
- Lee, K.Y., Yoo, B.-W., Ahn, S.S., Bae, W.H., Lee, H., Jung, S.M., Lee, S.-W., Park,

- Y.-B., Song, J.J. 2017. Predictors of mortality in autoimmune disease patients with concurrent cytomegalovirus infections detected by quantitative real-time PCR. *PLoS One*. Diedit oleh J. V Spencer, 12(7):e0181590.
- Leruez-Ville, M., Ville, Y. 2020. Is it time for routine prenatal serological screening for congenital cytomegalovirus? *Prenat. Diagn.*, 40(13):1671–1680.
- Ljungman, P., Boeckh, M., Hirsch, H.H., Josephson, F., Lundgren, J., Nichols, G., Pikis, A., Razonable, R.R., Miller, V., Griffiths, P.D. 2017. Definitions of Cytomegalovirus Infection and Disease in Transplant Patients for Use in Clinical Trials: Table 1. *Clin. Infect. Dis.* Diedit oleh D.R. Snyderman, 64(1):87–91.
- Manicklal, S., Emery, V.C., Lazzarotto, T., Boppana, S.B., Gupta, R.K. 2013. The “silent” global burden of congenital cytomegalovirus. *Clin. Microbiol. Rev.*, 26(1):86–102.
- Mhiri, L., Kaabi, B., Houimel, M., Arrouji, Z., Slim, A. 2007. Comparison of pp65 antigenemia, quantitative PCR and DNA hybrid capture for detection of cytomegalovirus in transplant recipients and AIDS patients. *J. Virol. Methods*, 143(1):23–28.
- Munro, S.C., Hall, B., Whybin, L.R., Leader, L., Robertson, P., Maine, G.T., Rawlinson, W.D. 2005. Diagnosis of and screening for cytomegalovirus infection in pregnant women. *J. Clin. Microbiol.*, 43(9):4713–4718.
- Naqvi, S.H., Blair, L.L. 1986. Detection of cytomegalovirus antigen and antibodies in the urine of small infants and children. *J. Med. Virol.*, 18(2):139–147.
- Noviar, G., Ritchie, N.K., Bela, B., Soedarmono, Y.S. 2019. Prevalensi Antibodi IgG dan DNA Cytomegalovirus pada darah donor di unit transfusi darah Provinsi DKI Jakarta. *J. Heal. Epidemiol. Commun. Dis.*, 3(1):28–35.
- Ohya, S., Fujioka, K., Fukushima, S., Abe, S., Ashina, M., Ikuta, T., Nishida, K., Matsumoto, H., Nakamachi, Y., Tanimura, K., Yamada, H., Iijima, K. 2019. Diagnostic Value of Cytomegalovirus IgM Antibodies at Birth in PCR-Confirmed Congenital Cytomegalovirus Infection. *Int. J. Mol. Sci.*, 20(13).
- Permatasari, R.K., Triono, A., Arguni, E. 2021. Profil Klinis dan Laboratoris Infeksi Sitomegalovirus Kongenital di Rumah Sakit Umum Pusat Dr. Sardjito. *Sari Pediatr.*, 22(5):297.
- Preiser, W., Bräuninger, S., Schwerdtfeger, R., Ayliffe, U., Garson, J.A., Brink, N.S., Franck, S., Doerr, H.W., Rabenau, H.F. 2001. Evaluation of diagnostic methods for the detection of cytomegalovirus in recipients of allogeneic stem cell transplants. *J. Clin. Virol.*, 20(1–2):59–70.
- Putri, N.D., Wiyatno, A., Dhenni, R., Sriyani, I.Y., Dewantari, A.K., Handryastuti, S., Iskandar, A.T.P., Rahma, M.M., Jumiayanti, N., Aprilia, Y.Y., Prayitno, A., Karyanti, M.R., Satari, H.I., Hadinegoro, S.R., Myint, K.S.A., Safari, D. 2019. Birth prevalence and characteristics of congenital cytomegalovirus infection in an urban birth cohort, Jakarta, Indonesia. *Int. J. Infect. Dis.*, 86:31–39.
- Raval, A.D., Kistler, K.D., Tang, Y., Murata, Y., Snyderman, D.R. 2021. Epidemiology, risk factors, and outcomes associated with cytomegalovirus in adult kidney transplant recipients: A systematic literature review of real-world evidence. *Transpl. Infect. Dis.*, 23(2).

- Razonable, R.R., Inoue, N., Pinninti, S.G., Boppana, S.B., Lazzarotto, T., Gabrielli, L., Simonazzi, G., Pellett, P.E., Schmid, D.S. 2020. Clinical Diagnostic Testing for Human Cytomegalovirus Infections. *J. Infect. Dis.*, 221(Supplement\_1):S74–S85.
- Revello, M.G., Lilleri, D., Zavattoni, M., Stronati, M., Bollani, L., Middeldorp, J.M., Gerna, G. 2001. Human cytomegalovirus immediate-early messenger RNA in blood of pregnant women with primary infection and of congenitally infected newborns. *J. Infect. Dis.*, 184(8):1078–1081.
- Richman, D.D., Whitley, R.J., Hayden, F.G. 2017. *Clinical Virology*. 4th ed. Diedit oleh D.D. Richman, R.J. Whitley, dan F.G. Hayden. Washington, DC: ASM Press.
- Riedel, S., Hobden, J.A., Miller, S., Morse, S.A., Mietzner, T.A., Detrick, B., Mitchell, T.G., Sakanari, J.A., Hotez, P., Mejia, R. 2019. *Jawetz, Melnick & Adelberg's Medical Microbiology*. 28th ed. McGraw-Hill Education.
- Roche Diagnostics GmbH. 2015. *High Pure Viral Nucleic Acid Kit*. Cat. No. 11 858 874 001. Mannheim. Tersedia pada: <https://lifescience.roche.com/documents/High-Pure-Viral-Nucleic-Acid-Kit.pdf>.
- Roche Diagnostics GmbH. 2016. *LightCycler FastStart DNA Master HybProbe. In Vitro*. Cat. No. 03 003 248 001 1. Mannheim.
- Roche Diagnostics Ltd. 2008. *LightCycler® 480 Instrument Operator's Manual*. Penzberg. Tersedia pada: [papers://5092023b-8c0d-418f-8230-d544faae6526/Paper/p888](https://papers://5092023b-8c0d-418f-8230-d544faae6526/Paper/p888).
- Santos, S.D.R. dos, Bafi, A.T., Freitas, F.G.R. de, Azevedo, L.C.P. de, Machado, F.R. 2017. Prevalence of citomegalovirus disease in kidney transplant patients in an intensive care unit. *Rev. Bras. Ter. Intensiva*, 29(4):436–443.
- Stöcher, M., Leb, V., Bozic, M., Kessler, H.H., Halwachs-Baumann, G., Landt, O., Stekel, H., Berg, J. 2003. Parallel detection of five human herpes virus DNAs by a set of real-time polymerase chain reactions in a single run. *J. Clin. Virol.*, 26(1):85–93.
- TIB MOLBIOL GmbH. 2014. *LightMix® Kit human Cytomegalovirus (hCMV)*. Cat.-No. 40-0562-32. Berlin.
- Ulfa, S., Triono, A., Indraswari, B.W. 2020. *Perbedaan Derajat Keparahan Sensorineural Hearing Loss (SNHL) berdasarkan Usia Diagnosis pada Pasien Infeksi Cytomegalovirus (CMV) Kongenital di RSUP Dr. Sardjito*. Universitas Gadjah Mada.
- Velzing, J., Rothbarth, P.H., Kroes, A.C.M., Quint, W.G. V. 1994. Detection of cytomegalovirus mRNA and DNA encoding the immediate early gene in peripheral blood leukocytes from immunocompromised patients. *J. Med. Virol.*, 42(2):164–169.
- Vindriyanto, Hapsara, S., Sumadiono. 2006. *Uji diagnostik serologi IgG dan IgM anti CMV, antigenemia darah, antigenemia urin terhadap pemeriksaan virologi dengan metoda polymerase chain reaction (PCR) sebagai penanda diagnostik untuk infeksi cytomegalovirus pada bayi dan anak*. Universitas Gadjah Mada Yogyakarta.
- Wulandari, E.D., Triono, A., Damayanti, W. 2019. *Profil Defisit dan Gejala Sisa*



*Neurologi Pada Infeksi CMV di RSUP Dr. Sardjito.* Universitas Gadjah Mada.

- Yinon, Y., Farine, D., Yudin, M.H. 2010. Screening, diagnosis, and management of cytomegalovirus infection in pregnancy. *Obstet. Gynecol. Surv.*, 736–743.
- Yushinta, M.P., Triono, A., Damayanti, W. 2020. *Gambaran Klinis Kelainan Hepar dan Perbandingan Nilai Fungsi serta Penanda Kerusakan Sel-Sel Hepar Sebelum dan Sesudah Pemberian Gansiklovir pada Pasien Anak Hepatitis CMV di RSUP Dr. Sardjito.* Universitas Gadjah Mada.
- Zanghellini, F., Boppana, S.B., Emery, V.C., Griffiths, P.D., Pass, R.F. 1999. Asymptomatic primary cytomegalovirus infection: virologic and immunologic features. *J. Infect. Dis.*, 180(3):702–707.
- Zuhair, M., Smit, G.S.A., Wallis, G., Jabbar, F., Smith, C., Devleesschauwer, B., Griffiths, P. 2019. Estimation of the worldwide seroprevalence of cytomegalovirus: A systematic review and meta-analysis. *Rev. Med. Virol.*, 29(3):e2034.