

学位論文審査結果の要旨

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<p>(学位論文審査結果の要旨)</p> <p>Characteristics and serology of pregnant women with cytomegalovirus immunoglobulin G seroconversion during pregnancy in Japan</p> <p>【主論文審査結果の要旨】</p> <p>筆者らは論文において下記の内容を述べている。</p> <p>Objective: Investigate the characteristics and serology of pregnant women with cytomegalovirus (CMV) immunoglobulin (Ig)G seroconversion during pregnancy to understand the risk factors associated with primary CMV infection and the occurrence of fetal congenital CMV infection.</p> <p>Materials and methods: We retrospectively studied 3202 pregnant women who were CMV IgG-negative in early pregnancy and were retested for IgG in late pregnancy. Characteristics were compared between participants with and without IgG seroconversion, and serological parameters were compared between participants with and without fetal congenital CMV infection.</p> <p>Results: Twenty-six participants showed CMV IgG seroconversion and fifteen showed fetal congenital CMV infection. Seroconversion rates were significantly higher in teens (5.0%) than in older women (20s: 0.8%; 30s and over: 0.6%) ($p < 0.001$). Titers of CMV IgM at IgG seroconversion were higher in women without (median 8.66) than with (median 6.54) congenital infection ($p=0.045$). The congenital infection rate was high when IgM titers at IgG seroconversion were low (47.1% with 4.00-12.00 titers and 100% with 1.21-3.99 IgM titers) ($p=0.048$).</p> <p>Conclusions: Nulliparous pregnant teenagers have a high risk of CMV IgG</p>			

seroconversion and the CMV IgM titer at IgG seroconversion may help predict the occurrence of fetal congenital CMV infection.

妊娠中のサイトメガロウイルス(CMV)初感染および先天性CMV感染症の発症に関するリスク因子を探索するため、妊娠中にCMV IgG陽転を認めた妊婦の特徴と血清学的検査を検討した論文である。学術上極めて有益であり、学位論文として価値あるものと認めた。

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