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**Seroprevalence and quantification of Rubella 1gG among females of reproductive age group in Kaduwela Medical Officer of health area in Colombo District in year 2007
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Rubella IS predominantly a childhood disease and is endemic throughout the world However, the primary public health concern of rubella virus Infection is its teratogenicity The development of a vaccine and implementation of vaccination strategies, have substantially reduced the incidence of the disease and in turn, congenital rubella syndrome in developed countries. Clinical diagnosis of rubella may be difficult. Serodiagnosis is important to confirm the disease Serosurveys could determine the prevalence of IgG antibodies to rubella, among females of child bearing age Therefore, this study was conducted to determine the seroprevalence of rubella antibody One hundred seventy SIX females between the ages 15-49 years participated in this study The details of the research project was explained to the participants informed, written consent was obtained. The prevalence of rubella IgG amongst this study group was 89.8 percent. The rubella vaccine was administered to the 18 (10.2percent) susceptible participants, who did not have immunity in this community More extensive studies that include the male le population should also be carried out to evaluate the seroprevalence of anti rubella antibodies in this community,