

ABSTRACT

"Upper limits of normal" Antistreptozyme titers were determined on serum specimens from various age groups of 211 apparently healthy subjects in Khonkaen and neighbouring provinces using passive hemagglutination technique. The upper limit of normal values for these groups were as follows: 5-15 yrs. and 16-25 yrs. ASTZ = 1280; 26-35 yrs; 36-45 yrs. and over 45 yrs. ASTZ = 640.

The present study has compared the result obtained with ASTZ and ASO titer from 30 patients with acute rheumatic fever and post rheumatic fever. The results shown that, The sensitivity of ASTZ = 53.4 % and ASO=30 x A highly significant between ASTZ and ASO was observed ($P < 0.001$). The correlation coefficient (r) of the regression was 0.88. ASTZ appears to represent a simple, sensitive and economical test for the detection of serum antibodies to streptococcal infection.