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A SURVEY OF ANTIBODIES FOR THE EXTRACTABLE NUCLEAR ANTIGENS AND THEIR ROLE IN THE CLINICAL DIAGNOSIS AND PROGNOSIS OF SLE

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Abstract:

Fifty-seven patients suffering from systemic lupus erythematosus with different clinical features were studied from various aspects of immunological abnormalities, including anti-nuclear antibodies; anti-DNA; anti-Sm (Smith's antigen); and, other extractable nuclear antigens.

The tests employed were microhemagglutination, counter immunoelectrophoresis, and radio immunoassay (RIA).

The comparison between the two techniques for detection of anti-DNA titers showed a significant correlation between them. There was also a significant positive correlation between the presence of anti-DNA and lupus nephritis ($P > 0.05$). However, lupus nephritis has a negative association with anti-Sm.

We will discuss anti-Sm in SLE patients that may have an inhibitory effect on developing the lupus nephritis. The association of anti-Sm in SLE may help the physicians to prognose the disease and manipulate the treatment.

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