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Antineutrophil cytoplasmic autoantibodies in ulcerative colitis

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Abstract:

Antineutrophil cytoplasmic autoantibodies (ANCA) were detected in patients with certain autoimmune vascular disease such as Wegner's granulomatosis, polyarthritis nodosa and systemic lupus erythematosus. Indirect immunofluorescence (IIF) technique was employed to detect these autoantibodies. ANCA have been recently detected in some forms of inflammatory bowel disease (IBD), ulcerative colitis (U.C), Crohn's disease (C.D) and primary sclerosing cholangitis (PSC). By IIF method, two general patterns of ANCA were seen: a cytoplasmic (C-ANCA) and perinuclear form (P-ANCA). In this study we evaluated the presence of ANCA in 52 U.C. patients and 69 matched normal control group by IIF technique, and its relationship with disease activity, site of colon involvement and, lesion extent. The results showed that all control group were ANCA negative, but 58% of patients had ANCA, and most cases (70%) had C-ANCA. The obtained results also revealed that there was no relationship between ANCA and disease activity

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