To the Editor (Preliminary Report) The Effect of Interferon alfa-2a on Clinical and Endoscopical findings in Chronic Active Ulcerative Colitis

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Özet

Bu çalışmada 2-10 yıldan beri kanlı ishal ve karın ağrısı yakınması olan, klasik tedaviye cevap vermeyen ve sıknüks gösteren 12 vakada interferon alfa-2a'nın klinik ve endoskopik bulgular üzerindeki etkisi araştırıldı. Vakaların %80'ninde bir ay içinde remisyon sağlanmış olup tedavi süresince ve tedavi kesildikten sonra 6 ay süre ile izlenen hastalarda nûks görülmedi. İlaca ait ateş ve baş ağrısı dışında önemli bir yan etki tesbit edilmedi.

It has been accepted that immunologic factors play a role in the pathogenesis of inflammatory Bowel Disease. Interferon is a substance produced by immunologically activated mononuclear cells and has an important role in immunoregulation. In patients with active inflammatory bowel disease, mononuclear cells produce decreased amounts of immune interferon in the intestinal mucosa.'

Dambrauskas J.I. demonstrated that in inflammatory bowel disease interferon production is decreased.² These studies suggest that deficiency of interferon production may be one factor in the pathogenesis of inflammatory bowel disease.

In this study, the effect of interferon alfa-2a (Roferon-A), which has immunomodulatory properties, has been searched by clinically and endoscopically in 12 patients (4 female, 8 male, mean age was 32.2) with chronic active Ulcerative Colitis (UC). All of the patients had bloody diarrhea, abdominal pain and weight loss for 8-20 months as well as a bloody defecation at a rate of 12-25 per day. In 5 patients the whole colon, in the remainder left descending colon were affected had a fragile mucosa with many bleeding foci and
 Table 1.
 Clinical Symptoms and Laboratory Findings in

 Ulcerative Collitis

	12 CASE	S						
	85% of Cases	15% of Cases						
Abdominal pain Bloody diarrhea	+++/++++ +++/++++	++/+++						
Fever Weight loss	N⁄++ ++/+++	N/+ +/+++						
Electrolyte inbalance Colonoscopy	++/+++ Diffuse by fragile mucosa with many blee- ding foci and disseminated pseudopolyps							

Mid: + or ++ Moderate: +++ Severe: ++++

there were pseudopolyps in most cases. Biopsies revealed Ulcerative Colitis without amoebiasis. All indivudials were unresponsive to classical therapy. After they had been hospitalized for 10 days without any therapy, the patients were started only Roferon-A at a dose of 3x9.10° IU in the first, 3x6.10° IU in the second, 3x3.10° IU in the third week and 3x3.10° IU every week for 6 months there after respond. At the end of the first week of therapy, 83% of the patients began to therapy and after 3 or 4 weeks, clinic, endoscopic and histologic remission was observed. Anemia besides electrolyte imbalance also improved. Pseudopolyps lessened in number and became smaller. In addition patients gained physical activity and weight. No recurrence was observed during the treatment (6 months) and the period of follow up (without treatment). 17% of paitents were unresponsive to Roferon-A therapy. No side important effects were seen (Table 1 and 2).

Conclusion: It has been proposed that the effect of Roferon - A results probably from its immunomodulatory and/or antiviral properties.

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Table 2. Clinical Symptoms and Laboratory Findings in Ulcerative Colitis

	Interferon alfa-2a				Folk	Follow up (without treatment) 6/10 patients (6 months)					
	10/12 cases (6 months)			6/10							
MONTHS Abdominal pain Blooddy diarrhea Fever Weight loss	1. Rare Rare		3. RECU			6. NO F	7. RECUR	8. RENCE	10.	11.	12.
Electroliyte inbalance Colonoscopy	Mild Friability of mucosa	Normal or mild granular mucosa, small and rare pseudopolyps.									

Bu çalışma

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Turk J Gastroenterohepatol 1993, 4