

## C1-INHIBITOR LEVEL IN PATIENTS WITH ACUTE VIRAL HEPATITIS

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It is well established that C1-esterase inhibitor (C1-INH) is the major inhibitor of kallikrein in plasma. Patients suffering from hereditary angioneurotic edema exhibit a C1-INH deficiency which can be caused either by decreased production of this inhibitor or by production of a functionally inactive protein.

The purpose of the present paper was to investigate the C1-INH level in acute viral hepatitis (AVH), to assess the variation in the concentration of the proteinase inhibitor C1-INH in patients on admission to the hospital and within two three week intervals. The results were compared with serum bilirubin and ASAT, ALAT activity.

The C1-INH concentration was measured by means of radial immunodiffusion method of Mancini. Reference values: mean  $\pm$  standard deviation =  $26.5 \pm 5.3$  mg %.

The following patient groups were investigated; AVH - 96 cases with 187 tests and comparative group of erysipelas (ER) patients (n = 30) with 60 tests and 34 healthy subjects.

### Results

Significant decreased level (median  $\pm$  standard deviation) - was found for C1-INH in AVH patients and in ER ones:  $22.13 \pm 2.76$  mg % and  $22.6 \pm 4.29$  respectively,  $P < 0.001$  versus healthy controls. Seventeen percent of the patients with ER and 31 % with AVH had decreased level of the inhibitor  $P < 0.001$  AVH versus ER.

Conclusion - C1-INH is elevated in the patients with AVH and ER. Precise pathogenic mechanism for this abnormality can not be identified.

# 6th INTERNATIONAL CONGRESS FOR INFECTIOUS DISEASES

PRAGUE / CZECH REPUBLIC

APRIL 26-30, 1994

ORGANIZED BY THE INTERNATIONAL SOCIETY FOR INFECTIOUS DISEASES  
IN COLLABORATION WITH THE WORLD HEALTH ORGANIZATION

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Vienna, February 11, 1994

**Abstract Nr. 81009** (Use this number in all communications)

Dear Prof. Boyadjian,  
This letter is to inform you that your abstract

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## C1-Inhibitor Level in Patients with Acute Viral Hepatitis

**Nicolov KR., Baleva M., Boyadjian P., Obretenova J., Angelov IV.,  
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BULGARIA**

has been accepted for poster presentation.

Your presentation is scheduled as follows:

## Viral Hepatitis

**Thursday, April 28, 1994: 13.00 hrs**

Please be advised of the following guidelines:

- ❖ Size of poster: width 95 cm (37,25 inches), height 150 cm (58,8 inches).
- ❖ The poster must be mounted before 11.00 and removed after the poster session the same day. Posters not removed by 18.00 hrs will be dismantled by the congress staff.
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If you have not registered yet, please send us the completed registration form together with your payment as soon as possible. If your registration fee is not received by March 25, 1994 we shall have to withdraw your paper from the scientific program. For further questions please contact the conference secretariat Austropa-Interconvention.

Sincerely,

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