

aqueous humour of the human eye with aphakia and the other eye in which the lens is still present. The values for the lactic acid level which we have observed are within the limit of what is regarded as normal for the human aqueous humour.

Accordingly, in considering the factors causing the hyperconcentration of lactic acid in the human aqueous humour, one may now exclude the crystalline lens.

Riassunto. La concentrazione dell'acido lattico nell'acqueo anteriore di occhi umani afachici non differisce

da quella propria di occhi contenenti il cristallino: è quindi inverosimile che l'iperconcentrazione della sostanza nell'acqueo possa essere attribuita alla glicolisi lenticolare.

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Basophilia in Sensitized Guinea-Pigs^{1,2}

In normal guinea-pigs we found 0.6% basophil leucocytes (mean of 107 animals).

In guinea-pigs sensitized to dinitrochlorobenzene³, (DNCB) we found at the end of sensitization 3.9% basophil leucocytes (mean of 28 guinea-pigs), at the end of sensitization with propionic anhydride⁴ 4.05% (mean of 34 guinea-pigs), and at the end of the sensitization with citraconic anhydride⁵ 3.0% (mean of 9 guinea-pigs).

The difference in the number of basophils in the guinea-pigs sensitized with the 3 substances is significantly higher than the number in normal guinea-pigs (Figure 1). Some sensitized guinea-pigs have shown a basophilia of more than 7%, in one of them we found even 25%.

A control group of non-sensitized guinea-pigs (irritation by daily rubbing with a knife and 4 injections of 0.05 ml olive oil in 12 days) did not show a basophilia.

Figure 2 shows the evolution of basophilia in 12 guinea-pigs during and after sensitization with propionic anhydride.

A significant augmentation is found on the 14th day of sensitization. Between the 16th and 18th day, the number of basophils decreases to the normal value.

The basophilia provoked by sensitization of guinea-pigs with simple chemical substances seems to have a general interest.

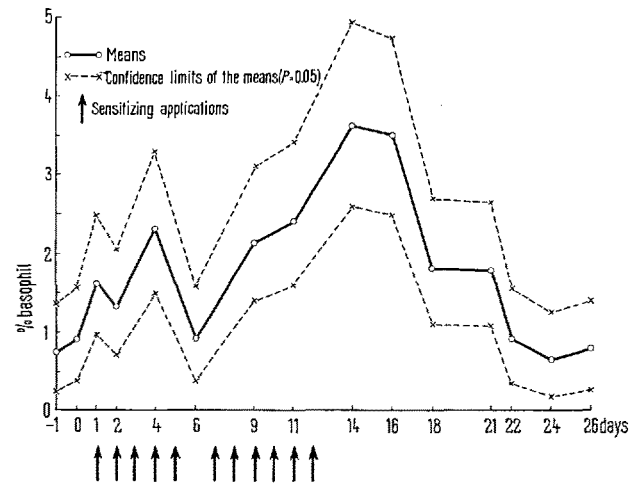


Fig. 2. Evolution of basophilia during the sensitization with propionic anhydride (12 guinea-pigs).

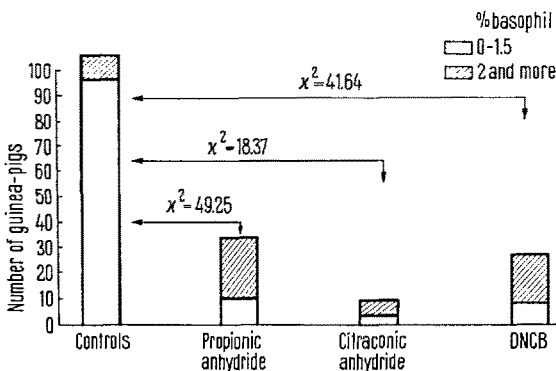


Fig. 1. The guinea-pigs of each group (control and sensitized) are distributed in two classes: animals with 0-1.5% basophil and animals with 2% and more basophil. The differences between the control group and the 3 groups of diversely sensitized guinea-pigs are highly significant (chi-square method).

Résumé. Au cours de la sensibilisation du cobaye avec du dinitrochlorobenzène, de l'anhydride propionique et de l'anhydride citraconique, on constate une basophilie passagère.

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- ¹ This work was aided by a subsidy from the Swiss National Fund for Scientific Research.
- ² Experimental Eczema. 25th communication.
- ³ 11 applications of dinitrochlorobenzene in 1% of acetone, in 12 days – see W. JADASSOHN, E. BUJARD, and R. BRUN, *J. inv. Derm.* 24, 247 (1955).
- ⁴ 11 applications of propionic anhydride and 4 injections of 0.05 ml propionic anhydride in olive oil in 12 days – see N. HUNZIKER, *Arch. klin. exp. Derm.* 222, 527 (1965).
- ⁵ 11 applications of citraconic anhydride and 4 injections of 0.05 ml citraconic anhydride in olive oil – see N. HUNZIKER, *Dermatologica* 129, 473 (1964).