

## **11 Biological parameters and other examinations**

### **11.1 Bornem**

It was regrettable that, although blood and urine sample from students of Bornem were collected, there was no evidence of any analysis or at least no results of the analysis could be obtained. We asked for some analysis on frozen blood sample, but the results were difficult to interpret.

Radiography of the chest was performed for 31 cases and all were normal.

One electrocardiograph was performed for one student because of a tachycardia, identifying a sinus tachycardia.

An electromyography was performed for one student because of myalgia in the legs and it was normal.

One student out of the 11 of whom temperature was taken, had a  $t^{\circ}$  exceeding  $38^{\circ}\text{C}$ . This  $t^{\circ}$  could be attributed to an upper respiratory infection.

The pulse of 29 cases was measured (mean 92bt/mn, min 64bt/mn, max 136bt/min). Five cases had a tachycardia (pulse  $> 100\text{bt/mn}$ ).

The blood pressure was collected for 31 cases. The systolic blood pressure ranged from 90 mm Hg to 150 mm Hg (mean = 120). Two cases had a systolic blood pressure superior to 140 mm Hg. The diastolic blood pressure ranged from 50 mm Hg to 90 mm Hg (mean = 71). Ten cases had a diastolic blood pressure inferior to 70 mm Hg.

### **11.2 Other schools**

Biological investigations were performed on blood sample of 56 (74.66%) students from the other schools. All results were normal.

Urine examination was performed on 17 samples, 7 were negative and on 10 no information was obtained.

Stool examinations (bacteriological, virological) were performed for 10 cases and all results were negative.

Electrocardiography was performed for 6 students and there were all normal.

Electroencephalography was performed for 5 students. Four of them were normal. One patient had abnormal electroencephalograph but the abnormality was attributed to an unspecified cause.

Eleven students out of the 37 of whom temperature was taken had a  $t^{\circ} > 37^{\circ}\text{C}$ . There was no biological sign of infection. Clinical examination was normal, except a flush for 3 of them.

The pulse of 40 cases was collected (mean 88bt/mn, min 59bt/mn, max 125bt/min). Five cases had a tachycardia (pulse  $> 100\text{bt/mn}$ ).

The blood pressure was collected for 36 cases. The systolic blood pressure ranged from 90 mm Hg to 160 mm Hg (mean of 95). Two cases had a systolic blood pressure superior to 140. The diastolic blood pressure ranged from 40 mm Hg to 90 mm Hg (mean of 72). Eleven cases had a diastolic blood pressure inferior to 70 mm Hg.