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Correlation of Skin and Stomach Tonus.

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In previous papers¹ we have discussed the antagonistic autonomic status of the peripheral region (skin, muscles) as compared to the splanchnic region of the body. These experiments have been made by means of lymph analysis and studies on the leukocytic partition between the two regions. During the course of these studies we have also made observations on the relation of stomach contractions and the coincident changes in leukocytes and body temperature in dogs and in patients.

CHART NO. 1.

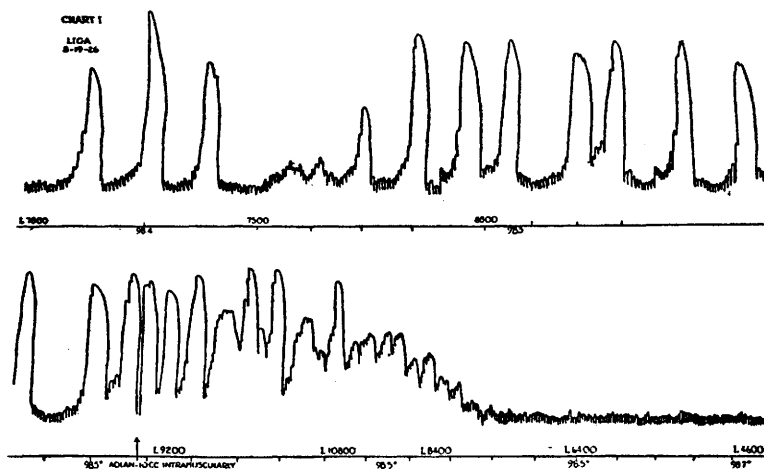


Chart No. 1 illustrates the typical relation of stomach contractions, leukocytes and temperature observed in a patient following the intramuscular injection of aolan.

Conclusions: During the period of hunger contractions the periphery is parasympathetically oriented. Following an intracutaneous or intramuscular injection of aolan, a peripheral sympathetic status is initiated (leukopenia—body temperature increased) and with it a cessation of stomach contractions takes place.

¹ Müller, E. F., and Petersen, W. F., *Klin. Woch.*, 1926, v, 53.