

employed, in fact of the clinical symptoms accompanying the case, and note the deduction in phosphatic elimination.

You will note an increase in the number of red cells accompanying a deduction of phosphatic elimination, which fact is a demonstration that we have thorough control of the anemia or impoverishment of the blood.

In the introductory lines of this article I explained the functions of the blood in as far as it concerns the distribution of oxygen by the red corpuscles, the distribution of tissue pabulum by the white corpuscles, and after examination of all charts you will note and coincide with my views that by means of nuclein medication, as exhibited in tincture amal, I have demonstrated that my path of investigation has been in the right direction.

I have already explained to you that the change of temperature (thermogenesis, thermolysis, and thermotaxis) is due either to a histological change of the individual blood cell or to an infection by foreign material of the entire circulation. Hence you will note that from the moment that nuclein medication in the form of tincture amal is resorted to in the various cases presented to you, we obtain a reduction of temperature of from two to three degrees. I was unable to find in any of these cases the presence of the tubercle bacillus in either the blood or the urine, but found same invariably in the sputum, excepting in the cases of pneumonia and bronchitis herewith recorded.

I cite to you Case No. 1302.

This case had been in the hospital for some months past, when it came under my observation, and a blood examination revealed 49 per cent. hemoglobin, 2,903,000 red cells, 9,100 white cells.

The elimination of phosphatic material in the urine amounted to 2.4 per cent. The patient, prior to and at this time, received medication in the form of cod-liver oil and creosote. This case is one of a few in which the administration of creosote does not exhibit a severe digestive leucocytosis.

Upon changing the medication to tincture amal, you will note a marked increase in red cells; and although you will note an increase in white cells, I beg to state that the increase of white cells consists entirely of lymphocytes, or the youngest and most active leucocytes. In other words, we have an increase of young white corpuscles rather than an increase of polynuclear leucocytes or aged leucocytes on the verge of disintegration and inactivity. A medication which will cause an increase of 29 per cent. hemoglobin and 797,000 red cells within a short period, deserves due consideration and test by those interested in the combating of any disease.

Referring to Case 1307, we find at the beginning 1.9 per cent. of phosphatic elimination, and again note that upon the administration of tincture amal, this is reduced to .9 per cent. The hemo-