

of the finest external laboratory manipulation. The plexus of Meissner in the submucous coat of the bowels ; the plexus of Auerbach, in the thin sheet of connective tissue of the muscular layers of the intestine ; and lastly, the vaso-motor centres of the spinal cord, constitute a trio of nerve generating power alike interesting and attractive, and which doubtless are intimately associated, in the transforming process of food to tissue, and yet we must acknowledge, with Prof. Charcot, that there still exist numerous lacunæ in this study. The nervous system, reduced to very simplest form, is represented by two elements, a nerve cell, and a conducting tube, and the association of these two elements constitutes nerve centres, and nerves, which guide and direct capillary circulation in every part of the human frame. The point to which I desire to call attention at present, is with reference to the influence gradually produced in the system, by defective intestinal sewage, and how it is to be remedied. That such at times produces a poisonous influence on nerve tissue and capillary circulation, is undoubted in character, and of much greater importance and frequency, than generally supposed. While noting the effect of electricity, through the neurotone, on the muscular tissue of the dilated or ballooned bowel, I was impressed by the marked improvement otherwise, in the system, in consequence of which, a series of observations was made, on the alimentary canal, which led to the following deductions :

1st. The irregularities of the digestive process in the alimentary canal, are of much more frequent occurrence than generally supposed.

2nd. The internal sewage of the system, cannot be too critically examined.

3rd. The toxic effect of such accumulations leads to a condition of the nerve centres, changed in character, and destructive in a great measure to the elimination of normal nerve energy, in the ganglionic nerve centres. That the recently discovered neurons, play an important part in the vitalizing power of nerve energy, is a reasonable deduction. A path is now open, in which life, under ordinary circumstances, *may be prolonged*, providing no organic disease is present. There is little doubt, that as years pass on, in a quasi indifferent manner, the *neurons*, of the ganglionic centres; particularly in close relationship with the alimentary canal, become influenced, by the toxic effect, of defective internal sewage, and as the result, blood making power becomes defective, as photographed in facial expression. The question is, how to counteract this condition, and bring about, as near as possible, a normal state of the system. One of the first points to observe, beyond the ordinary conditions of the alimentary canal, is the state of the abdominal nervous system. Under ordinary circumstances