

THE PULSE IN THE SMALLEST VESSELS.—Herz (*Wiener Klinik*) has investigated this subject by a new method which he terms "onythography." It consists of a delicately-poised sphygmograph, preferably of Jaquet's pattern, the button of which is placed upon the finger-nail and kept there under regulated pressure. The limb being kept steady a curve is traced, which, according to the author, is liable to fewer sources of error than the ordinary sphygmogram. Like the sphygmogram the onychographic curve shows three principal sets of waves, the largest corresponding to the respirations, the intermediate to the heart beats, and the smallest to the secondary waves; but it has also two special varieties of large undulations, due respectively to changes in the width of the arterioles and in the rapidity of the blood flow. Differences in the condition of the pressure within the arteries and

capillaries are expressed by a want of correspondence between the sphygmograms and the onychograms. The onychogram rises during inspiration and falls in expiration, these variations being accentuated by dyspnoea and diminished by valvular disease of the heart, with the exception of tricuspid regurgitation. When the cardiac rhythm is irregular in force the rapidity of the blood flow is affected, and large undulations appear upon the onychogram, though the sphygmogram may appear to be normal. The onychographic waves are diminished in size and rounded off under conditions of psychical strain, such as the performance of elaborate calculations. Heat increases and cold diminishes their volume, but the latter, if prolonged, eventually leads to dilatation. In jaundice the waves are very marked, confirming Drasche's view that the capillary walls are paralyzed in chol-

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The attention of the medical profession is respectfully drawn to the uniform success attending the treatment of Alcoholism and Morphine addiction at Oakville. A prominent medical man in Toronto has, within the last few weeks, paid a glowing tribute to its efficacy in the case of one of his patients who had long since lost his susceptibility to the ordinary form of treatment employed, and whose life seemed to hang in the balance. Many come to Oakville in the last stages of the malady, yet of these but two cases in four years have proved to be beyond reach of our treatment, a record well deserving the thoughtful consideration of the profession.

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