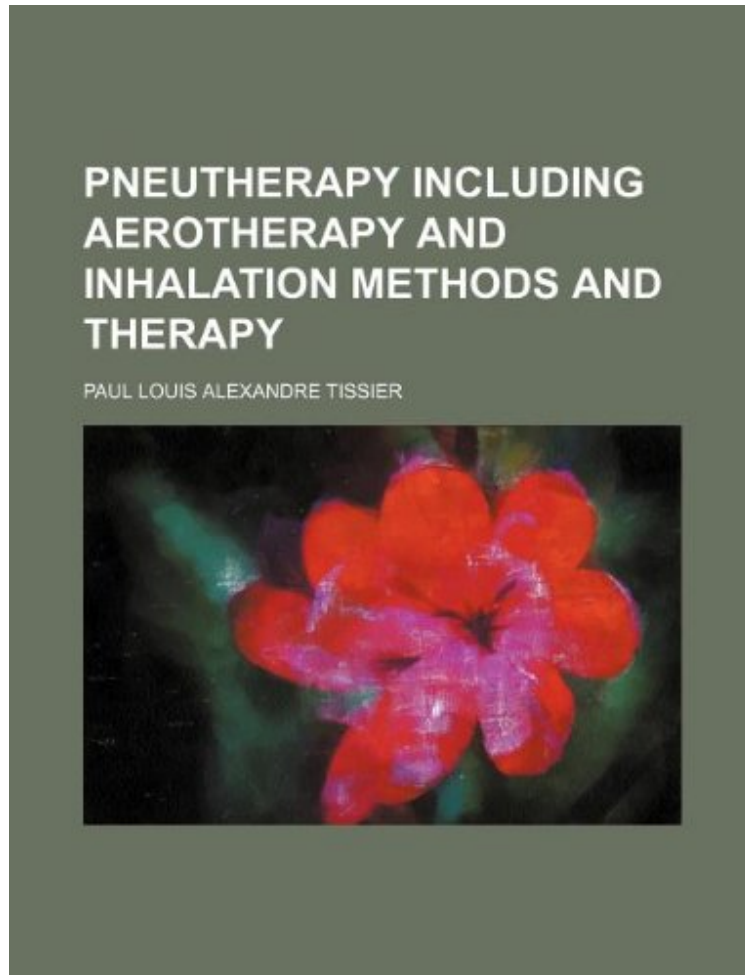


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# Pneutherapy including aerotherapy and inhalation methods and therapy

*Paul Louis Alexandre Tissier*

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This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1903 Excerpt: ...air; this diuretic action of the procedure is also observed in persons suffering from heart disease (Rosenstein); and Kelemen observed it in patients with pleural effusion. In addition to these facts, the mechanism of which is readily understood by a

consideration of the action of pneumotherapeutic methods on the respiratory and circulatory apparatus, an improvement in the appetite and in the general condition has also been determined. IV. NEURO-REFLEX PHENOMENA It has been established that most of the phenomena observed in patients submitted to the various pneumotherapeutic procedures are explainable on mechanical grounds. But a very different theory is defended by a number of authors--among them Sommerbrodt. In this view, the primary effect of the inspiration of condensed air is an increase of intrabronchial pressure, similar to the effect produced by speaking, crying, singing, running, swimming, and other active exercises. This increase of pressure produces certain reflex effects: a diminution in the tone of the vasomotor fibers and a relaxation of the walls of the blood-vessels, resulting in acceleration of the contractions of the heart and a diminution of the intracardiac pressure. This desirable effect on the circulation explains the influence on metabolism, diuresis and the like. Sommerbrodt's theory is open to many criticisms from the physiologic standpoint, and is absolutely contradicted by the experimental researches detailed above. It has, nevertheless, been accorded a place in this discussion because the nervous system, in truth, is not without an actual and important influence in the sum total of the effects of the differential methods. There is no need to revert to the claims of the opponents of pneumotherapy, that the effect of the apparatus ...