Practical Research of Muscles. The “Myologia practica”

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The mass examinations accomplished during previous decades -concerning certain details of the muscular structure and function -disregarded almost entirely examination of the most important practical questions. The wide-spread theoretical examinations, however, only produced results unsuitable for practical purposes. The obvious general neglect of the significance concerning musculature and muscular function thus seems to prove that the muscular examination up to date does not afford sufficient base for practical use. This fact is emphasized increasingly by the newer literature and this has encouraged us a few years ago to start examinations of

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practical muscular function by means of new instruments for measuring muscle conditions.

In the previous years we have held numerous lectures and published articles on the results of our muscle examinations, and the many enquiries received from every part of the world made it necessary to organize on a broad basis our research work concerning the “Myologia practica”, as a result of which the world's first practical muscle examination laboratory commenced its activity in Budapest in May 1955. Beside continuing muscle examinations already started, we have undertaken to collect and arrange the usable results concerning the practical research on muscles, in order to give a general view of the progress of the wide-spread work. We wish to draw attention to the most important tasks. This work we wish to perform partly from medical periodicals, abstract

journals, monographs, and partly from reprints sent us by the authors themselves. Therefore it is necessary to emphasize that this work is not confined to the muscles. The “Myologia practica” is based on the results of general and special muscle physiology and introduces a new trend in the synthetic research: i.e. to extend the biological, biochemical, biophysical and pathological knowledge – through analysis of the muscular examinations – to the field of clinical practice.

The scope of this new chapter of medical research comprises examination and elucidation of the practical results of the analysis of the muscular examinations, and determination of the physiological and patho-physiological bases of the procedures adapted in these examinations.

These procedures, however, do not confine themselves to the examination of the muscles and their function, but the muscles are analysed in their correlation to the organism as a whole, and particular interest is focused on the constitutional and somatoscopic conditions. The “Myologia practica” makes an attempt to observe the reactions of the body through the changes of the muscular function, namely through continuous synthetical and practical development of the experimental results of the general and special physiology and pathology.

Therefore we request everybody interested as well as scientists working on related fields, to kindly send us reprints of their papers, thus supporting the organization and further development of the practical research on muscles.