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Skeletal Muscle Fiber in Thyroid.

甲状腺中の骨格筋線維.

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In the endocrine glands are occasionally found a number of skeletal muscle fibers - endocrine glands such as, for examples, pineal, medulla of adrenal, pars tuberalis of hypophysis. There are also some reports on the presence of such skeletal muscle fibers in the thyroid, but in my experience their occurrence is very seldom. In all the literature I have referred to WEGELIN (1926), MASUELLI (1931) and BARGMANN (1939) are the only authors who dealt with the human thyroid, although JUVARA (1900), KAJIMOTO (1931), ZIMMERMANN (1932), OTTOLENGHI (1935), BANNIER (1939) have reported that the muscle fibers were found in animal thyroid.

I have also accidentally found a skeletal muscle fiber in a human thyroid while observing the arteriovenous anastomosis in it.

The muscle fiber was found in the interstitial tissue of the central part of lobus lateralis thyreoidae. It was fortunately cut longitudinally. The

length was 350μ and the breadth 25μ . The cross striations and fibrillae stood out clearly. The muscle fiber was the only one found and on further examination it was ascertained to be perfectly isolated from the skeletal muscles surrounding the thyroid.

There are many muscle fibers in the example presented by MASUELLI (1931), he agrees with me in failing to find any connection between the muscle fibers and the skeletal muscles surrounding the thyroid.

As to the reason for the occurrence of muscle fiber in the thyroid I can not give any positive explanation from my observation, but it appears that such an occurrence is developmental.

Summary.

A skeletal muscle fiber found in the human thyroid was ascertained to be isolated from the muscles surrounding the thyroid.

内 容 自 抄.

人の甲状腺内に骨格筋の1線維を認めた。この線維は甲状腺内に独立して存し、甲状腺の周囲にある骨格筋とは連結していない。

References.

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