

stand in intimate relation to one another. He found that quinine caused a diminution in the number of leucocytes and in the elimination of uric acid. The administration of thymus increases the uric acid output and increases the number of leucocytes, while quinine and tannic acid diminish both; so that the simultaneous administration of thymus and quinine, or tannic acid, should neutralize each others action on the uric acid elimination. This Daniel corroborates by auto-experiments.

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ACTION OF TROPIN AND THE TROPEINES.

GOTTLIEB, R.—The action of tropin and of the tropeines. (*Archiv. f. exp. Path.*, 1896, v. 37, p. 218.) The ethereal salts, formed by replacing the acid radical of atropin with various other acid radicals, are called tropeines. Some of the tropeines, as acetyl-tropin and succinyltropin, act not merely quantitatively different from atropin, but its peripheral action might be entirely absent. There is a parallelism in the action of tropin and of the tropeines upon the vagus endings in the heart and upon the pupil. Tropin and the tropeines are cardiac irritants, an action which has not been proved for atropin. The action upon the heart is due to an increase of the excitability of the cardiac motor ganglia and thus explains the removal of the muscarin inhibition by tropin and the tropeines, which have not the atropin-like action.

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PAMPHLETS RECEIVED.

- “Appendicitis.” By H. O. WALKER, M.D., Detroit, Mich.
- “Prostatectomy.” By PARKER SIMS, M.D., of New York.
- “The Bête Noir of the Vocalist.” By EDWIN PYNCHON, M.D.
- “The Absolute and Permanent Cure of Tonsillitis.” By EDWIN PYNCHON, M.D.
- “Three Years of Serum-Therapy in Tuberculosis.” By J. R. LEMEN, M.D., St. Louis.
- “Growing Children: Their Clothes and Deformity.” By E. NOBLE SMITH, F.R.C.S. (Edin.), L.R.C.P. (London.)
- “The Use of Nosophen and Antinosine in Purulent Disease of the Middle Ear.” By FREDERICKH MILLENER, M.D., Buffalo, N. Y.
- “The Etiology of Phthisis: A Summary of Scientific Points Involved in Churchill's Theory.” By R. W. GARDNER, New York City.