

Preliminary note on the action of some internal secretions upon erectile tissue / by Isaac Ott and John C. Scott.

Contributors

Ott, Isaac, 1847-1916.
Scott, John Calvin, 1877-
Royal College of Surgeons of England

Publication/Creation

[Philadelphia] : [publisher not identified], 1911.

Persistent URL

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183 Euston Road
London NW1 2BE UK
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PRELIMINARY NOTE ON THE ACTION OF SOME INTERNAL SECRETIONS UPON ERECTILE TISSUE.

By ISAAC OTT, M.D., and JOHN C. SCOTT, M.D.

To study the action upon erectile tissue we employed the penile organ of the dog. The length of it was measured by a pair of compasses, from the bulb to the tip. The width of the bulb of the organ was measured in the same way. Then the filtered infusion made with distilled water was injected into a vein and the dimension of the organ measured as before. It was found that the prostate increased the length 25 millimeters, and the width of the bulb 25 millimeters. The orchitic extracts gave an increase in length of 15 millimeters, and an increase in width of bulb of 23 millimeters. The ovarian extract gave an increase in length of 21 and an increase in width of bulb of 23 millimeters. The parathyroid extract gave an increase in length of 15 and an increase in width of bulb of 15 millimeters. The thymus extract gave an increase in length of 15 millimeters and an increase in width of bulb of 12 millimeters. Pituitary extract, as a whole, gave an increase in length of 11 millimeters and an increase in width of bulb of 6 millimeters. Infundibulin gave an increase in length of 5 millimeters and an increase in width of bulb of 6 millimeters. Pineal gland gave no increase in length but increase in width of bulb of 7 millimeters. The corpus luteum increased the length 15 millimeters and the width of the bulb 28 millimeters.

Medico-Chirurgical College of Philadelphia,
March 13, 1911.

