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Preliminary note on the pineal gland and the corpus luteum.By **ISAAC OTT, M.D.**, and **JOHN C. SCOTT, M.D.**

In a series of experiments we have found the pineal gland to have a marked diuretic action, previously noted by Eyster. At the time of each injection per jugular the volume of the kidney increases considerably, whilst, after a temporary fall, the pressure in the carotid shows some increase. About one half of one per cent. of glucose appears in the urine after the injection of pineal extract and after the use of corpus luteum.

Corpus luteum does not markedly change the pulse rate, but lowers blood-pressure 20-40 millimeters of mercury, and then it rises above normal for a short time. The intestinal peristalsis is markedly increased by corpus luteum.

In the pregnant uterus, corpus luteum increased the contractions.

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The spleen and chronic constipation.By **ISAAC OTT, M.D.**, and **JOHN C. SCOTT, M.D.**

In the *Medical Bulletin*, 1897, one of us (Ott) stated, the spleen of all the animal extracts has the most marked effect on peristalsis. It produces the largest peristaltic waves. When the spleen was removed then peristalsis decreased. If now spleen extract was injected, then peristalsis was restored to a considerable extent above normal.

In 1908, Zuelzer (Dohrn, Marxer and Zuelzer, "Specifiche Aufregung der darm Peristaltik, etc.," *Berliner Klinische Wochenschrift*, 1908, No. 48) with others confirmed the preceding results. He prepared an extract of the spleen, called "hormonal," for intravenous and intramuscular injection in man for the cure of chronic constipation. He reports marked success in this condition. This statement has been confirmed by Saar, Henle, Unger and several others.