

The animal, after a total removal, shows no deviation from the normal for a period varying from thirty-six hours to two weeks after the operation. Then it becomes unsteady, there is arching of the back, low temperature, shivering, and death in unconsciousness.

Cushing has found it possible to effect partial removals of the anterior lobe. In young animals, the result is that an "infantile" type is maintained, and the secondary sexual characters do not develop. In older animals, the genitals atrophy, and they get very fat. He gives very convincing photographs showing that these changes are quite marked.

#### INJECTION OF EXTRACTS OF PITUITARY GLAND. PITUITARY FEEDING.

Injection of extracts of the anterior lobe causes no evident results. Injection of extracts of the posterior or nervous lobe causes quite constantly a prolonged rise of blood-pressure. Not only the blood vessels, but all varieties of unstriped muscle, are stimulated to contract. Peristaltic movements are set up in the bowel, and the bladder and uterus, whether pregnant or not, also contract.

Pituitary feeding in man causes diuresis. Indeed, it is said to be our best available diuretic, and is now on the market for that purpose. Its effect is better seen when the urinary flow is diminished than when it is normal.

Pituitary feeding in young rats causes an exaggeration of their growth. In this case it is not the