

As to the relative frequency of intraperitoneal and extraperitoneal ruptures of the bladder, it was generally stated that the latter were much rarer, forming only 10 to 20 per cent. of all cases of rupture of the bladder; and this statement had been made by Dr. Ashhurst himself, in publishing statistics of 110 cases of intraperitoneal rupture of the bladder treated by laparotomy (*Amer. Jour. Med. Sc.*, 1906, ii, 17). But as he had found only 3 cases of intraperitoneal rupture at the Episcopal Hospital, to 7 cases of extraperitoneal rupture, he was inclined to think the rarity of the latter had been overestimated. It must be acknowledged, however, that in many of these, as in most other cases of extraperitoneal rupture reported, no definite rupture had been found, the diagnosis being based on the presence of bloody urine both inside the bladder and in the extraperitoneal pelvic tissues.

In regard to ruptures of the abdominal wall from crushing force, they must be acknowledged to be extremely rare. Besides the case now reported, where there was also fracture of the pelvis, only one other case had been found at the Episcopal Hospital since 1895. This was in a patient of Dr. Neilson's (C. W., 23 yrs., April 24, 1900), who also had extraperitoneal rupture of the bladder, but no fracture of the pelvis. Although the abdominal wall was repaired as well as possible, death occurred the next day.

#### CASES OF FRACTURE OF PELVIS COMPLICATED BY VISCERAL INJURY.

(Episcopal Hospital, Phila., 1895-1908.)

I. *Fracture of Rami of Pubis and Ischium, Rupture of Urethra.*—Frank D., 29 yrs. Adm. March 26, 1896. Treated by catheterization. Recovered.

II. *Fracture of Pelvis, Fracture of Skull, and Rupture of Urethra.*—John B., 23 yrs. Adm. March 1, 1897. Developed emphysema of abdominal wall, and peritonitis. No operation. Died in 2 days.

III. *Compound Fracture of Ilium and Pubes, Rupture of Urethra.*—Chas. P. M., 22 yrs. Adm. May 24, 1905. Railroad crush. All muscles of thigh and buttocks completely torn out. Bleeding from urethra. Wounds packed. Catheter in urethra. Died in 2 days.

IV. *Fracture of Left Pelvis, Rupture of Urethra, Dislocation of Left Femur, Rupture of Left Lung.*—Frank K., 32 yrs. Adm. May 9, 1907. No operation. Died in 1 day.

V. *Compound Fracture Left Ilium, Extraperitoneal Rupture of Bladder, Rupture of Femoral Vein.*—Alfred M., 25 yrs. Adm. Aug. 27, 1903. Existing wound enlarged by resident, Dr. Havens, femoral vein ligated, extraperitoneal pelvic tissues packed. Died in 2 hours.

VI. *Fracture of Pubic Ramus, Crush of Left Leg, Extraperitoneal Rupture of Bladder.*—James B., 23 yrs. Adm. Oct. 8, 1903. Leg ampu-