

My experience does not accord with that of some other observers. It has been stated that pressure of the gravid uterus and the pressure of tumors will produce the condition. I have not found pyelo-nephritis, nor yet the further advanced condition of pyo-nephrosis as a complication of myomatous or ovarian tumors, or even of uterine cancer, with all the pressure it produces. The condition most frequently met with here is hydro-nephrosis, and not pyonephrosis, nor yet pyelo-nephritis. In my cases there has not been any tumor of the kidney present upon bimanual palpation of the loin. The cases have not all been permanently damaged in the interval between the pregnancies in so far as pathological changes could be made out by a urinary analysis. Pain has been a constant accompaniment of the condition, and the symptoms set in early, namely, about the fourth, fifth, and sixth months of gestation, and not in the later months.

In this country some years ago, Dr. Meek, of London, drew attention to the condition. Those who are interested in the literature of the subject will find a long list of references in a paper by Tremont Smith, in the *New York Medical Journal*, December 8, 1906.

DISCUSSION.

DR. WM. F. METCALF.—The etiology of the various forms of toxemia occurring in pregnancy is not well understood. Why one patient presents symptoms of nephritis without pus in the urine, with eclampsia, and in another the urine is loaded with pus and even pus casts, with no symptoms of eclampsia, while others have repeated rigors with high temperature but no increase of polynuclear leucocytes and no evident impairment of kidney function, is a question yet to be solved, and the medical profession is indebted to Dr. Ross for the report of so many cases from his personal experience of an affection which, though not common, is doubtless frequently overlooked.

I have one case at present under observation. In my records of the last three years, I find only one other case reported, of which the following in brief is the history:

Mrs. D. S., aged thirty-four. Had missed four menstrual periods. For ten days she had severe chills, with fever reaching 104 deg. Leucocytes, 26,200, of which polymorphonuclears made up 98 per cent.; erythrocytes, 2,400,000; hemoglobin, 50 per cent. Vaginal examination excluded salpingitis. Pain in the right renal region was severe. Tumor could be palpated. Urine examination: Very cloudy, with heavy white deposit;