

This can probably be best shown by the total and differential counts, taken before and at intervals after feeding. The following is an average count of five pigs:

		Eosin.	Poly.	Trans. and Mono.	Vac.	L. and S. Lymph- ocytis.	Mast Cells.
1. Before	6100	6.55	23.28	2.73	3.85	63.02	.18
2. One hour	12780	8.70	39.65	2.25	3.15	45.45	.60
3. Two ours	10520	5.25	47.25	1.35	2.90	42.80	.45
6. Six hours	7980	1.99	38.20	1.05	3.15	57.5	.25

These counts show definitely that we have an absolute lymphocytosis throughout, and a marked absolute and relative polynuclear leucocytosis established for two hours after digestion, and gradually declining again to normal.

Digestive Leucocytosis.—The failure of digestive leucocytosis may be noted, and is of more or less value as a differential diagnostic point in certain pathological conditions. Digestive leucocytosis is lessened and prolonged or may be even absent in conditions such as torpidity of the stomach and bowels. In chronic anemic cases it is diminished or absent (Reider and Muller).

In patients confined to bed for some time, the results are rather irregular; at times an increase above normal is obtained, again it may be absent. In carcinoma of the stomach no definite digestive leucocytosis is obtained in 90 per cent. of cases; of the remaining 10 per cent. about 8 per cent. show a slight increase, and the rest give a marked increase. In very advanced cases it is probably invariably absent (Hartung). However, in such conditions as simple stenosis, ulcer of the stomach, chronic gastric catarrh (Schneyer, Capps and Cabot), as well as carcinoma of other viscera (Hartung), a well marked digestive leucocytosis is the rule.

Leucocytosis of Pregnancy.—In the first three months of pregnancy there is no leucocytosis; in the later months we get an increase of varying degrees, especially constant in young primiparæ. Reider made the following interesting observation that digestive leucocytosis is absent in nearly all cases of pregnancy in the ninth month. After parturition there is a gradual return to normal.

Leucocytosis of Newborn.—A well marked and absolute and relative lymphocytosis is to be found in the newborn; the number