

severe from the first. It was situated, at the onset, in the "lower zone" in one case; in the epigastrium and right hypochondrium in one; and was "generalised" in two. There was no definite exacerbation of the pain in any of the cases. In one it was never severe. In all, it became, sooner or later, localized to the right iliac region.

RIGIDITY present locally in all cases.

RESTLESSNESS noticed in two cases.

LOCAL TUMOUR in two cases.

DISTENSION—Slight local in one case; slight general in one.

VOMITING present in two cases only; and then very slight.

CHILL was not present in any case.

#### *Complications—*

In one case a slight nephritis was present at time of operation. This case also developed a left-sided phlebitis about a week after operation.

OPERATION was performed in one case 48 hours after onset; in one 32 hours; in one 78 hours; and in one on the ninth day. The latter would, no doubt, have perforated long before operation, had the appendix not been bound down to the cæcum, and the gangrene gradually involved the whole thickness of the wall of the latter, into which, indeed, it was on the point of perforating.

In these cases it is noticeable that the signs of gangrene usually given—abrupt cessation of pain, fall in temperature, increased pulse rate and anxious expression—were largely absent.

The histories note a treacherous lull in the pain following the severe pain of the onset, the pulse, however, keeping up.

All the cases made perfect recoveries.

#### **CLASS IV.—Perforation with Localised Peritonitis and Abscess.** 22 Cases.

The size of the abscess varied greatly; in some it was extremely small; in several it extended through the whole right side from the liver down, and filled the pelvis. All, however, made good recoveries.

The position of the appendix was in four cases south, over the brim of the pelvis; in all the rest except two, where nothing is said on this point, it was curled up behind or outside the cæcum. The position of the perforation varied too much for generalisation.

#### *Ætiology:*

AGES—Up to 10 years.....	1 case
10 to 20 ".....	10 cases
20 to 30 ".....	6 "
30 to 40 ".....	3 "
57 ".....	1 case
65 ".....	1 "

SEX—Males, 20; females, 2.

PREVIOUS ATTACKS—Nine had had none; two, one; two, three; two, five; four, many; and in three the point is not mentioned.

PREVIOUS CONSTIPATION—Chronic constipation was present in five; in three not mentioned; in the rest absent.