

the sound is one of the most dangerous instruments which ever was invented for the treatment of human suffering, and in his own practice obtains hardly any employment at all.

There is a story which is told against himself by some of his colleagues which he never hesitates to repeat, because it is the kind of accident which is liable to occur to any one, and fortunately the only one of its kind which ever happened to him. It conveyed a lesson of which at the time he stood much in need, and from which warning may be taken with advantage. Many years ago he was asked by the surgeon of a large general hospital to give his opinion on the case of a young woman, who had been in the hospital for some months suffering from a pelvic tumor which seemed to threaten her life. She was hectic, suffering and very ill. The tumor on one side of the pelvis was apparently quite fixed, and he expressed the opinion that it was a collection of matter, but in what position he could not say unless she would allow him to make use of the uterine sound. His surgical friend told him he could do exactly what he thought proper. He had asked for his opinion as a specialist and he would not interfere with any steps he thought fit to take for the purpose of furnishing him with that opinion. Mr. Tait immediately proceeded to use the sound and came, quite erroneously, to the conclusion that the patient was suffering from a parametric abscess. The sound passed, as he thought, into an empty uterus, fixed toward the right side, the uterus being of normal length. Within twenty-four hours the patient miscarried of a fourth-month fetus, and this ended all her sufferings. She speedily recovered and left the hospital cured in a way which nobody expected, and which certainly he did not intend. All such accidents have by no means so happy an ending as this had, and their number is immense. But few months pass without his hearing of a case in which some kind of mischief has been done in this way.

One of the most important methods of diagnosis in abdominal disease, and the first to be considered in examining any case, is inspection. A careful examination, by the eye, of the contour of an abdomen when the patient is lying on her back, with the walls of the abdomen perfectly flaccid, will reveal a good deal to the experienced practitioner. A completely and uniformly distended abdomen may mean that the patient is suffering peritonitis, intestinal obstruction, ascitic effusion, a parovarian tumor, an ovarian tumor, a large myoma of the uterus, or pregnancy. The process of discriminating between these various conditions may very rapidly be completed by one who is accustomed to deal with them. Thus peritonitis may be at once detected or eliminated by the presence or absence of the short and rapid pectoral breathing, which shows that the patient is loath

to use her diaphragm. In fact, by this alone, and without almost any further inquiry, he has satisfied himself as to the nature of the case by a single glance. Ascitic effusion, or on the other hand, is revealed at once by the absence of the pectoral breathing, by the greater flattening of the distention, by its tendency to assume a pyriform shape, the broadest diameter just above the pelvis, by the thickening of the walls due to anasarcaous effusion, and the presence of white lines in the skin of the flanks. If the crest of the ilium sticks out under stretched skin, the diagnosis is again almost complete without further inquiry. If, on the other hand, these subsidiary features are absent, and there be a uniform and complete distention, two conditions widely distinct may be suspected. These are parovarian cyst and hydramnios; and here, again, some very curious mistakes have come under his notice, some of which have had very ghastly results. Parovarian cysts after labor sometimes grow with astonishing rapidity. Hydramnios always occurs with twin pregnancies, and generally in unmarried women, who are of course, disposed to conceal their condition, and mere inspection cannot be depended upon to discriminate these cases.

But inspection will help us very largely to detect pregnancy and myoma, for in these cases the distention is always greatest either at the middle of the tumor or at its upper part, differing in this way completely from ascitic distention; and here one of the most important agents in the diagnosis of abdominal diseases, palpation, comes at once to our assistance, and to the skilled fingers it ought not to take more than a few seconds to discriminate between any or all of these conditions. The percussion note, which is uniform in a case of peritonitis, will easily determine the condition which is present. One or two delicate touches of the fingers of one hand whilst the fingers of the other lie with the most gentle lightness on the other side of the abdomen, will determine the presence of fluid, and it is in this method of palpation that the skill of the practitioner at once becomes visible. The inexperienced hands press firmly upon the walls and may be seen to move to and fro in an aimless fashion as though they were rocking a cradle. The gentlest and tenderest touch alone will reveal what is required. Measurements of the different diameters of the abdomen will teach in a few seconds the leading features which are present: first, that there is fluid; secondly, that it is, or is not, near the surface, being contained, or not, within a thin-walled cyst; thirdly, that there is one cavity, or not; fourthly, the probable character which it presents. The wave excited by gentle tapping is retarded or urged on by the more or less gelatinous nature of the fluid. All these conclusions are indicated with the utmost rapidity to the skilled fingers, and it is absolutely impossible