

lines remain, and in all cases in the purely expectant plan, injections of bichloride solution, vaginal and intrauterine, are usually advised as a routine practice. I never use them unless the discharges become fetid or a rise in temperature should admonish me to do so. As in all my obstetric cases I thoroughly washed the external genitals and surrounding parts with a warm solution 1 in 1000 and apply to the vulva an antiseptic pad of sublimated jute, which is held in position by a napkin pinned to the binder in front and behind and is changed twice a day. This I have found amply efficient and much simpler and safer than the frequent douche. If however in spite of every precaution the discharges become offensive or hemorrhages occur the uterine cavity must be cleared out and for this purpose nothing is more efficient than the flexible curette but the necessity for its employment I believe to be rare. Lawrence says "The only instrument I use in these cases is a blunt curette and I very seldom use that."

I would also call attention to the method with which the name of Doleris is especially identified. The *écouvillon* introduced by him is an instrument like that used to clean the inside of lamp chimneys. It is dipped in an antiseptic solution and the uterine walls thoroughly brushed or scrubbed so that all fragments of decidua are effectively removed.

I think the truth is well expressed by Auvard when he says "It is bad in some cases to wait, equally bad in others to intervene. It is necessary to be eclectic and the course to be pursued may be thus formulated. (a) When the appendages are retained, no accident occurring, the expectant method is the better, expectation with rigid antiseptic precautions. (b) Should accidents occur, hemorrhage or septicaemia, the treatment of each is different. Hemorrhage is met by hot water injections and if necessary by the tampon. If the genital flow becomes fetid, or before this fetidity as a preventative measure, make frequent vaginal injections of antiseptic solution. If vaginal injections do not answer use injections into the uterus. Finally if these also fail, the fetid odor persisting, and especially if there

be an elevation of temperature, employ the curette."

Dr. McArthur expressed appreciation of the paper on abortion. He (Dr. McArthur) states that he followed the practice of Goddell, of Philadelphia, who always used a tampon.

Dr. McArthur exhibited a cast of the mouth of a child twelve months old showing two rat teeth, the two central upper incisors. The cast was prepared by Dr. Dalgleish, dentist, Winnipeg.

### HYDATIDS.

BY HENRY H. CHOWN, B.A., M.D., WINNIPEG, MAN.

Read before the Canadian Medical Association, Toronto, September 10th, 1890.

In the upper part of the small intestine of dogs, jackals and wolves there may sometimes be found in considerable numbers the tape-worm—*taenia echinococcus*. It has a head resembling that of *tarnia solium* with four suckers, a restellum or beak and a double crown of hooks to fasten itself upon its host, but its length never exceeds one-quarter of an inch and it consists of only three or four segments. Each of these segments is full of eggs which are set free when a segment is cast off and passed out of the body. These eggs are globular in form, one two hundred and fortieth to one one-hundredth of an inch in diameter. They have a firm shell and each contains a minute embryo furnished with suckers and hooklets.

Now just as the embryo of the *tarnia solium* has to undergo an intermediate stage of development before it can re-infect man, so the embryo of the *taenia echinococcus* undergoes an intermediate stage before it re-infects the dog. The bladder worm, *Cysticercus Cellulosæ*, found in pigs, and producing the disease in those animals called measles, is as Kuchenmeister proved, the larval stage of *taenia solium* so Hydatid is the larval stage of the *taenia echinococcus*.

The usual intermediaries for the development of this larval stage are the human body, the ox and other ruminants, swine and monkeys; so that Hydatids may be occasionally found in any of these. The