

heart sounds will almost always give warning by the high tension in the vessels. Of course this high tension may be from some other fault of elimination, but you would require to find that out anyway, so you have not lost your labour.

The treatment may be summed up in a few words—stimulation of the supplementary organs, and regulation of diet.

In convulsive seizures this requires time, and the use of chloroform or a hypodermic of morphia may be required to blunt the sensibility of the nervous system while this is being carried out. But a convulsion or two, although terrible to behold, does not often do any harm, and I generally prefer not to add another to the many poisons with which the system is loaded.

Of remedies I prefer the salines that have a double action on both bowels and kidneys. First in importance I place sulphate of magnesia, next bitartrate of potash, and to them may often be added digitalis with advantage.

A large enema is often of service before other remedies can be got to act. I do not very clearly understand how it can be so efficacious, but that it is so I think there is no doubt.

I look upon free diuresis by steam bath as of as much or more importance than any other single remedy. I do not often find it necessary to resort to pilocarpine.

In discussing the paper, Dr. MACDONALD considered the minor symptoms, as headache and vomiting, of great importance. By noting these and applying appropriate treatment the graver effects might be obviated.

Dr. BACKUS, in reference to the amount of albumen, advocated the necessity of frequently testing the urine. Many cases with a large proportion of albumen live for years with little or no inconvenience. Salines he considered the best to assist elimination and lower blood pressure. Pilocarpine had been of invaluable service in his hands.

Dr. MACLAREN cited a recent case. A woman, five months pregnant, complained of vomiting and headache. The urine contained three-fourths albumen. Salines and diaphoretics were employed with relief. He had used jaborandi but scarcely ever pilocarpine.

Dr. DRAKE mentioned the utility of venesection in certain classes of cases.

Dr. GARDINER said uræmia showed itself in so many forms that one could not be too careful. One case recently complained of shortness of breath. There was marked dilatation of the heart, much albumen and a specific gravity of the urine of 1008 to 1010. Another case to which he was called he found the woman in a half comatose condition. He made a diagnosis of cerebral lesion but was not satisfied. An examination of the urine revealed much albumen. He tried all varieties of remedies but the case gradually sank and died. In the treatment of convulsions, morphia had been of especial service, especially those cases in connection with pregnancy.

Dr. CAMPBELL believed uræmia was more common than was supposed. He advocated the examination of the urine in all suspected cases.

Dr. EATON urged the examination of the urine. We do not know without question what is the morbid product or products which produce uræmia. The consensus of opinion is that it is due to impaired elimination of the nitrogenous waste, but it in all probability also includes the salts (chlorides) as well.

In the uræmia of pregnancy, if the fetus die we notice a diminution of the uræmic symptoms and of the albumen, because then there is an immediate drop in the amount of nitrogenous waste to be eliminated. The storm is averted by the death of the fetus *in utero*.

The treatment has reference to the diet and clothing as well as the medicines to be used. If there is impaired elimination of nitrogenous waste and salts, it is but natural to limit or absolutely cut off all foods which contain these in large quantities, such as flesh and blood, and all find milk and milk foods in nearly all cases are the best.

The clothing should be of flannel next the skin, and an effort should be made to keep the skin active by thus keeping the body warm by woollens which are poor conductors of heat.

All the compensatory organs require stimulation and free purgation is often of great benefit.

Pilocarpine has given me good satisfaction during attacks of renal asthma and often symptoms indicating a near approach of uræmic explosions. I have given it hypodermically in doses of a half grain.

Dr. HODGE expressed himself as pleased with the practical nature of the paper.