The reservoir had a capacity of eighteen drachms, and an internal diameter at the larger orifice of an eighth of an inch. The calibre of the tube was the fourteenth of an inch. To support the reservoir the tube was passed through a hole in a leaden plate, which rested on the edge of the outer vessel. a glass cylinder, of such dimensions that, on receiving the reservoir, a quantity of fluid, equal to the contents of the latter, would rise to the neck, leaving sufficient below the membrane. On consideration, the author had been led to adopt, for closing the reservoir, the execum of the sheep, as sold in a prepared state by the French, finding, in comparison with other men, ranes, that it produced the most marked results. The experiments of Poiseuille were then examined in the order observed in his Memoir:-

Action of Purgatives .- Seidlitz water contained in the reservoir, being opposed to serum, ascended in the tube. Albumen was found in the reservoir, and sulphate of magnesia in the serum. Now, Seidlitz water causes an unusual quantity of albumen to appear in the alvine discharges, and of sulphate of magnesia in the urine. Hence the inference is, that this class of purgatives possesses the property of determining a flow of serum towards the bowels. author remarked, that it might reasonably be questioned whether serum was a fair representative of the living fluid in the bloodyessels, or its accumulation in the bowels the only physiological effect of the saline purgatives.

Tolerance of Medicines .- The author remarked, that endosmose was found by Poiseuille, to stop at periods varying for different fluids. The outer fluid being then examined, presents a striated appearance from the incomplete diffusion of the foreign matter introduced into it. After shaking it, there is a renewed ascent of the column; and the same thing happens repeatedly. Poiseuille employed a solution of phosphate of soda and serum. The author repeated the experiment with a solution of the salt, of density 1060, and obtained similar alterations, except as regards the elevation following the second employment of He left it to be judged, whether the facts as stated would bear out the inference, that the tolerance of medicines arises simply from the circumstance, that "the membranes of the intestinal canal, after being long in contact with the same substance, become impregnated with it, and prevent it from entering so freely into the circulation."

Influence of Opium .- Opium and its salts sheck diarrhoa, and obviate the purgative tendency of other medicine. A solution of one part of nitre to eight of water was opposed by Poiseuille to serum, and produced an elevation in the tube for three quarters of an hour. While the endosmose was proceeding vigorously, the solution was withdrawn, and replaced by a similar one, containing muriate of morphia. After this, the ascent continued, but with less intensity; it proceeded for an hour, ceased an hour, at then the column began to descend. Hence, it is said, the presence of the mornia diminished the endosmose, then put a stop to it, and ended by producing cosmose, such being precisely its effect in premoting extirpation of the bowels. The author, however, believed that if the experiment had been continued wishout the morphia, the result would have been nearly the same, as he had founce that nitric by itself has but a feeble form of endosmose. To ascertain further whether opium exerts a peculiar influence on membranes unfayourable to endos hose, he had repeatedly opposed an aqueous solution to water, and from it produces much greater effect than some of the inorganic salts. The serum of the sheep enclosed in a reservoir, and opposed to distilled water, containing a grain to the ounce of muriate of morphia, produced a vigorous endosmose for above swenty-four hours. Added to syrup in the same