that she was in danger of bringing on her old troubles chronic diarrhoea and dysentery. It is not neces again. A walk of ten miles she regarded as a very to enumerate them. I directed a suspension of moderate effort. Her figure soon became as re-medication by the mouth, confined the man exc markable for its lightness and grace as it had before sively to hot milk diet, and ordered an enema co been for its shapeless and unwieldly immensity.

## COLO-PROCTITIS TREATED BY HOT WATER DOUCHE AND DILATATION OR DIVISION OF THE SPHINCTERS ANI.1

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In presenting the following cases intended to illustrate the special merit claimed for the plan of treat- the second day after he was placed under this treatment recommended, I fully recognize the importance ment, and continued to do so until the sixth day, of confining myself to that particular form of disease when he had a return of hæmorrhage, discharging which the clinical history of each case will demon- about four ounces of clotted blood. Suspecting the strate, and to differentiate it from those more for- presence of ulcers within the rectum, a careful exmidable and graver affections such as deep-seated ploration was made by means of the speculum, but corroding ulcers, the various forms of stricture, and no ulcer discovered; I found, however, a proliferavarieties of cancer which are met with in rectal distition, or thickening of the mucous membrane just eases. Whilst the disease under consideration is within the sphincters, and extending for two inches usually of long standing, or chronic in its character, or more up within the bowel. This morbid growth it is a pure non-malignant inflammation, confining consisted of exuberant villosities, exceedingly vascular itself almost entirely to the mucous or sub-mucous and soft, and feeling to the touch like thick velvet. tissues, and resulting in some cases in small super- A very close inspection failed to disclose the presficial necrobiotic ulcerations found just within the ence of fissures. I recollected having treated a external sphincters; that such cases are often mis-similar case, which came under my care many years injudicious medication as such, I have no doubt.

ipulation, that the disease did not embrace the at the end of fifteen days. ascending colon, but seemed to commence in its transverse portion and proceed downward. At the summer of 1877, a married lady, the mother of three time of my first seeing him there was much tender- children, came under my care suffering with severe ness along the bowel, almost constant pain, always proctitis associated with several small but exceedingly greatly augmented by defecation, usually passing of painful fissures. This lady had suffered for many large quantities of mucus in long bands, sometimes months with attacks of dysentery, which had been tinged with blood, at other times there would be temporarily relieved by medical treatment, but invamuco-sanguineous stools mixed with small quantities riably returned without any immediate exciting cause of fæcal matter. There had been frequent discharges that she could discover. Latterly she had experiof clotted blood at various times, exhibiting the ap- enced several hæmorrhages from the rectum, and pearance of pure hamorrhage. The history given found that all efforts at defecation were attended me of the treatment which had been pursued by the with such exquisite pain that it was almost impossible different medical gentlemen whom he had consulted, for her to accomplish that act. The pain had within embraced most of the usual remedies employed in a few days become persistent and unceasing, render-

sisting of four ounces of strong decoction of ipe cacuanha root, and twenty drops of tincture opii, to be thrown up the bowel as hot as possible, and repeated every eight hours; to be kept in bed and allowed nothing else but the hot milk as nourishment. The enemata not to be used after midnight until eight o'clock the following morning. This practice was continued for two days, when the tincture opii was reduced one-half, ten drops being employed every eight hours instead of twenty.

The patient seemed to improve manifestly from taken for simple dysentery and unwisely treated by previously, by the application of nitrate of silver first, and subsequently of nitric acid, which, however, had Case 1.—In the fall of 1875 I was requested to take not resulted in a cure. I determined, therefore, to charge of a man about 30 years of age, affected, as try the plan of dilating the sphincter freely by presshe stated, with chronic diarrhoea. He informed me ure with the thumbs and tearing up and squeezing that he had been suffering with the disease for more out the blood of the villous vegetations, and thus than two years, that prior to the appearance of this destroy them by cutting off the abnormal blood suptrouble he had enjoyed excellent health, and for the ply, at the same time continuing to use the hot water last fifteen years been occupied on board a small injections, consisting now of the solution of boracic fishing boat plying between Washington and the acid, instead of the decoction of ipecac, adding the Chesapeake bay, engaged in the oyster trade. His tincture opii only to the one used at bed hour, in the family record showed no taint of strumous or tuber- quantity of twenty-five drops. Injections were orcular disease. Upon a careful examination of this dered to be administered every three hours during man, I found that his disease consisted in a chronic the day up to twelve at night. Continuing this plan catarrh of the large intestine, extending into and of treatment and confining my patient to the hot embracing a greater portion of the mucous lining of milk diet, with an occasional slice of stale bread, I the rectum. I became satisfied, from a careful man- had the satisfaction of discharging him perfectly cured

Case 2.—Two years after the above case, in the ing sleep impossible, and her existence miserable in 1Read in the Section on Surgery at the Thirty-Sixth Annual Meeting the American Medical Association. In g sleep impossible, and her existence miserable in the extreme. The dejections had for several months tenderness of the parts, to make a speculum exami-except more or less torpor of the bowels, for nearly placing her under the influence of some anæsthetic; the hæmorrhage of the rectum following defecation, so I determined to etherize her the following day, and attended with pain. An examination with the and divide the external sphincter at once, relying speculum showed the presence of three ragged ulcers upon the hot water injections for subsequent treat- about the size of a split pea, located just within the

thrown into the bowels every four hours during the disease. day, and kept up for two days. The patient exdiet with stale bread for a week, and the hot water douches continued every six hours for the same period. At the end of eight days she was discharged cured. I had an opportunity of seeing this lady quite frecase had been complete.

ance, who informed me that she had been subject for six years to habitual constipation, with alternations of diarrhœa. That two years before she had submitted to an operation for hæmorrhoids, from which she had suffered for more than a year previously, and experienced occasional losses of blood. Although the hæmorrhoids had been removed, greatly to her disappointment she still had frequent hæmorrhages from the bowels, and at all times pain and discharges of large quantities of mucus, frequent attacks of diarrhœa, but generally constipated. A careful examination of this case disclosed a contracted anus, sphincters firmly closed and resisting the introduction of the finger, no appearance or condition, however, indicating malignant disease, but presenting what I shall call a rectismus. The lining membrane of the rectum was found thickened and villous, and exceedingly vascular; but not very sensitive beyond the sphincters. External manipulation over the abdomen produced some pain along the descending colon. This lady was required to go to bed and to commence at once the hot water douches; half pint every four hours, every alternate one containing two scruples of boracic acid and ten minims of tincture opii.

On the third day after confining her to bed, I placed her under the effects of chloroform and operated by dilating the sphincters, entirely paralyzing, for the time, that muscle. This was immediately followed by the application of nitric acid diluted one-half, to the inner surface of the rectum some distance beyond the sphincters. The subsequent treatment consisted simply of the milk diet, hot douches with solution of boracic acid, anodynes for the first three nights, and internal administration of lime water, half an ounce three times a day in the milk. At the expiration of ordered for the night, and the patient put upon hot

prior to this condition of affairs consisted largely of leave her house, and experienced no difficulty or mucus, sometimes, but not always, tinged with blood. pain in the evacuation of the bowels. This patient It was impossible, in consequence of the extreme continued to enjoy entire freedom from any trouble, nation, or even introduce my finger without first two years, when I was again consulted for a return of sphincter. These were speedily destroyed, and the The operation was performed on the following day, parts healed in a few days by three applications of as determined upon, the knife being first used, fol-pure nitric acid. She has now been under my oblowed by stretching with the thumbs, and a thorough servation for eighteen months, and has had no return dilatation obtained, a half pint of hot water being of the diarrhea, or other evidence of intestinal

Case 4.—In the latter part of May, 1883, an elderly pressed herself as greatly relieved after the operation, lady, sixty years of age, the mother of several grown and enjoyed, for the first time for several nights, a children, stout and healthy in appearance, consulted refreshing sleep. She was also placed upon hot milk | me for chronic intestinal catarrh; with which she reported she had been suffering for more than a year. I saw her occasionally during the month of June, and directed her to use injections of hot water and be placed under a rigid system of diet, using but little quently for many years subsequently, and enjoyed medicine, as I was told that she had been pretty the satisfaction of knowing that my success in this thoroughly medicated before consulting me. About the 20th of June, she reported that she had suffered Case 3.—Four years ago I was consulted by a latterly with severe pains about the rectum during young lady twenty years of age, of delicate appear- defecation, and at all times more or less uneasiness at that point. This had been steadily increasing, and had finally become exceedingly distressing to her, and been attended with discharges of blood. An exploration of the anus and rectum disclosed the presence of an oblong ulcer just within the margin of the anus, and extending for one inch up in the bowel, about one-third of an inch wide and four or five lines deep, with smooth edges and base. The surrounding tissues were soft and natural to the touch and in appearance, except the usual velvety feeling of the mucous membrane above the sphincter. was greatly relieved to find the condition of things that dispelled all apprehension of malignant disease, which I thought the clinical history of the case with the age of the patient, to some extent warranted. The free application of nitric acid was made to the ulcer, hot water douches continued through the day, and a soft anodyne suppository at night was used. Finding at the end of ten days that the use of caustics, anodynes and astringent lotions and suppositories, in conjunction with the foregoing treatment, had utterly failed, I resolved to divide the sphincters through the bottom of the ulcer, practice dilatation, and continue irrigation of the bowels with hot boracic acid lotion.

On the 6th of July, assisted by Dr. Acker, of this city, who administered chloroform, I made a partial division of the sphincter with a bistoury, and completed the dilatation by pressure with the two thumbs. A large pledget of patent lint saturated with carbolized oil, was inserted and allowed to remain for eighteen hours. The hæmorrhage was quite insignificant, but a large quantity of almost pure mucus was thrown off by the bowels. A full anodyne was two weeks she had so far recovered as to be able to milk as a diet. On the day following the lint was removed, and an application of an unguent, composed four hours after the effects of the ether had worn c of sulphate of zinc, morphine and vaseline was made. The next day I removed the pledget of linen ar. In this, as in all the foregoing cases operated upon, used the hot douche, repeating the opiate at nigh the bowels were kept inactive by the use of opiates and directing a very light diet. On the third day a for four days.

self as almost entirely cured. She has since that no return whatever or any symptom of his old trouble. date been under my observation, and seems perfectly indications of her former disease.

of sedentary pursuits during the last fifteen years of anatomical relations of this organ to those muscles. blood after evacuations of the bowels. his case as a simple catarrh of the large intestine; but that they had failed to afford him any permanent relief. Upon making a careful examination of the tion and instruction to the general practioner. rectum, I found a superficial fistula about one and one-half inches deep, two small fissures at the anal orifice, and the lining membrane of the rectum congested and thickened. A laxative of sulphur and Rochelle salts was administered, and instructions given that he should use hot water douches every four hours daily. I explained the necessity to him of operating for the fistula, with the probability of an additional operation for dilating the sphincters. determined to try for a week the plan of irrigating with hot water alone, and abandon all internal remedies. At the end of ten days I received a note requesting me to call and see him. He had experienced much relief from the hot douches during the intervals of intestinal quiet, but at each evacuation the same pain was produced, his diarrhea also had continued to recur, and he had finally concluded to submit to any plan of treatment which I might determine to pursue.

On the day following, assisted by Dr. Acker, who administered a mixture of chloroform and ether, the anæsthetic I usually prefer, I first divided the superficial fistula which extended just within the margin of the anus and dilated freely and forcibly the sphincters with the thumbs, packing the rectum for a few inches with a tent made of fine old linen, and well lubricated with vaseline. An opiate was directed to be given

laxative was given, which operated without occasion-This patient was left in charge of Dr. Acker a few ing much pain. No further treatment was praticed days after the operation, and not seen by me again in this case than the continued use of the hot water for four weeks. She continued, however, to use an irrigation and a moderate diet. At the end of eight abstemious diet, and to persist with the hot douche days he was sufficiently well to resume his ordinary for some weeks. On my return to the city she had vocations, and pass from under my observation till so far improved as to be able to walk out without in- the following January, when I met him on the street convenience, and suffered no pain in evacuating the and received the gratifying intelligence that he had bowels; had a good appetite, and pronounced her-increased ten pounds in weight, and had experienced

Recognizing the important part played as etiologwell; having had no return of the diarrhea, or other ical factors in the production of this disease by the muscular adjuncts of the rectum, and as one of the Case 5.—In October last, I was requested to see a chief obstacles to be encountered in accomplishing gentleman 52 years of age, a lawyer by profession, its cure; it is important that we should bear in mind the his life; regular and temperate in his habits. He in- The extensive attachments of the levatores ani with formed me that he had for several years, suffered its fibres converging to a central raphe encircling the from a slight bronchitis, attended with a troublesome bowel, and exercising a controlling power over its cough, but no expectoration. That eighteen months various motions, its contractions and its dilatations, before, he began to experience some discomfort about and to a certain extent diminishing or increasing the rectum after defecation, which had gone on in- thereby the vascular supply of its coats; the external creasing to actual pain; and that for the past six and internal sphincters presiding to a large extent months there had been an occasional discharge of over the act of defecation, maintaining under certain Contempo-|conditions by a tonic or spasmodic contraction of raneously with this feeling of malaise, he had been at-their muscular fibres, an abnormal blood supply to tacked with diarrhoea which had continued at intervals the bowel above, resulting in proliferation of tissue up to the time of his consulting me. He had also and necrotic areas of mucous membrane; the rich undergone during this period a regular system of supply of nerves and blood-vessels, and especially medication by two different physicians, who regarded the particular distribution of rectal veins, constitute a vast field for investigation by the pathologist as well as an interesting and useful subject for observa-

## URETHRAL CALCULI.1

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The clinical pictures presented by foreign bodies in the male urethra are so varied that every case is likely to display special features of interest which will vary according to the form, seat of lodgment, and source of the foreign body. In most cases this is a calculus which has descended from the bladder or kidneys, or in rarer cases, such as prostatic disease or stricture, has developed in loco. In the vast majority of cases, the stone is single. In the following case, for the "previous history" of which I am indebted to Dr. J. A. Brown, of Germantown, two stones were found, which varied as much in size as in the symptoms to which they gave rise.

J. L., æt. 37, farmer, had always enjoyed good health until sixteen years ago, when he suddenly suffered from severe pain in the urethra, associated with hæmorrhage and retention of urine, for the relief of which the catheter was used. After continuing for a few weeks these symptoms subsided, and the patient

<sup>&</sup>lt;sup>1</sup>Read before the Ohio State Medical Society, June 4, 1885.