

number of successful cases, and adds that there are three rules essential to success:

1. The use of the utmost force possible, but with great care and caution.
2. Persistent and continuous repetition of the injection until the passage is effected.
3. The adoption of a suitable position for the patient.

Dr. HAWKINS uses simple warm water. That containing *ox-gall* in solution gr. x-xxx, is much more efficacious, especially in cases arising from partial paralysis of the bowels.

Dr. WILLIAM BRINTON, (*Dublin Journal of the Medical Sciences*, May, 1869,) gives a rule by which fluid enemata will enable us with more or less accuracy to decide the locality of an intestinal obstruction. If one pint of fluid is retained, the difficulty is in the rectum. If two or three are retained, it is at or in the sigmoid flexure. A still larger quantity indicates the colon as the seat of the trouble.

In one case in which the obstruction was at the upper part of the ascending colon, nine pints of fluid were introduced.

The most favorable position of the body for the retention of large injections is upon the knees, with the head and shoulders depressed. 98° Fah. is the most acceptable temperature for the fluid, which should be slowly introduced.

HEMORRHOIDS (PILES.)

PROF. N. R. SMITH, M. D., BALTIMORE.

According to this distinguished surgeon, if the disease is recent, and the causes manifest, there is but little difficulty. Commence with the administration of a saline aperient. Then, every other day, give sulphur, a heaping teaspoonful, in syrup or milk. Should this be inactive, give the following:

382. R. Sulphuris lot., ʒj.
 Fol. sennæ pulv., ʒj.
 Ol. fœnic, gtt. xx. M. ut f. pulv.
 Give a heaping teaspoonful every other night.

The parts must be bathed three or four times a day with cold water, and especially after stool.

As the indulgence of the appetite in every variety of rich and unwholesome food will have been, in most cases, the principal cause, the patient must be restricted to a simple diet. Let him take animal food but once a day, in small quantity, and without condiments. Boiled onions as an article of food are productive of soft and easy passages. Stewed fruits may be used as a dessert. The patient may exercise moderately on foot, but when at rest had better assume the recumbent, rather than the sitting, posture.

This treatment will be sure to relieve incipient cases; but, if not, apply the following unguent:

383. R. Ung. cetacei, ʒ ss.
 Pulv. gallæ, āā
 Pulv. opii, ʒ ss. M.

Apply externally, and introduce within the sphincter, a small quantity twice a day.

The following suppositories are very efficient:

384. R. Butyr. cocœ, q. s.
 Tannici acidi, ʒ ss.
 Opii pulveris, ʒ ss. M.

Divide into ten suppositories.

Insert one, morning and night, completely within the sphincter.

But in those cases in which the disease has persisted for some time, the tumors large, inflamed, and irritable, disposed to protrude with spasmodic force, and are returned with difficulty, more active measures are required. If the bowels are costive, a saline aperient must be given, and an emollient enema, to secure its prompt action.

If the tumors are protruded, and strangulated, causing great distress, they must be at once returned, without waiting for the action of medicine. To effect this, apply, for a few moments, cold water or crushed ice, to repel the blood with which they are engorged. Then, compressing the whole mass with the fingers of both hands, if necessary, press them up within the sphincter. To resist the expulsive efforts which will be provoked, keep up pressure for a few minutes on the anus with the fingers, or better, with a small sponge dipped in ice-water. This pressure our author has sometimes kept up for hours, with a perineal bandage attached before and behind to a split bandage

passed over the shoulders. The use of chloroform will sometimes greatly facilitate the reduction.

When the parts are highly inflamed and productive of symptomatic fever, free venesection is demanded. Leeches may also be applied to the verge of the anus, in aid of the lancet. Freezing the part by the spraying apparatus is recommended by some, but is of questionable value. There are many astringent applications which are employed by surgeons in these cases, either in the form of lotion or unguent, such as the acetat. plumb., acid. gallic., the persulph. ferri, etc.

In most cases of recent origin, the above means will effect a cure, and prudent living will obviate a return.

DR. ROCHARD, OF PARIS

This practitioner is of opinion that surgical interference should be more and more restrained in hemorrhoids. Very often simple hygienic treatment, conjoined with a suitable regimen, relieves these patients of their infirmities. He has cured a considerable number of such persons by simply advising them to go to stool only in the evening before going to bed, after a cold enema for the purpose of facilitating defecation. After perseverance, defecation takes place regularly, constipation ceases, the hemorrhoidal flux stops, turgescence and prociidence no longer occur, and the hemorrhoidal tumor diminishing in size and consistence, the normal order of things is re-established.

PROF. D. HAYES AGNEW, M. D., PHILADELPHIA.

385. R. Tincturæ krameriaë, f. ℥j. M.
Mucilaginis ulmi, f. ℥ij.
For two injections; one to be thrown up morning and night, in ulcerated hemorrhoids.

386. R. Zinci sulphatis, gr. iv. M.
Aquæ carbolicæ, f. ℥ij.
For a wash in external hemorrhoids.

PROF. FORDYCE BARKER, M. D., NEW YORK.

The general prejudice against aloes in piles does not apply, according to this writer, to their occurrence in pregnant women. A frequent prescription with him is:

387. R. Pulveris aloës socotrinaë, āā ℥j. M.
Saponis castiliensis, āā ℥ss.
Extracti hyoscyami, ℥ss.
Pulveris ipecacuanhæ, gr. v.

To make twenty gills. One morning and evening.

When tumors descend they should be replaced, and the following applied twice daily:

388. R. Unguenti gallæ compositi, ℥j. M.
Extracti opii aquosi, ℥j.
Liquoris ferri persulphatis, f. ℥j.

Dr. BARKER considers castor oil one of the most irritating laxatives to hemorrhoids. He states in reference to *aloes*, that OPPOLZER was quite famous in the treatment of piles, and yet his favorite prescriptions contained aloes. When the patient was troubled with constipation, the aloes was associated with quinine; without constipation, with sulphate of iron. For bleeding piles he used:

389. R. Ferri sulphatis, ℥j. M.
Extracti aloës aquosi, ℥j.
Extracti taraxaci, q. s.
Make sixty pills. One morning and evening, and increase to three a day if necessary.

WILLIAM ALLINGHAM, F. R. S., LONDON.

The bowels should be kept soluble with the following:

390. R. Liquoris magnesiæ carbonatis, ℥ss. M.
Potassii bicarbonatis, ℥j.
Tincturæ sennæ, f. ℥ij.
Spiritus ætheris nitrosi, f. ℥ss.
Aquam, ad f. ℥ij.

To be taken every morning, fasting.

The parts to be smeared with.

391. R. Extracti belladonnæ, āā ℥ss. M.
Extracti opii, āā ℥ss.
Followed by a warm poultice, if there is much swelling.

In *internal bleeding piles*, Mr. ALLINGHAM strongly recommends the curative powers of persulphate of iron. This may be applied in the fluid form, as:

392. R. Ferri persulphatis, $\mathfrak{D}j.$
 Glycerinæ, $\bar{a}\bar{a}$ $f\bar{3}$ ss. M.
 Aquæ,

Or as an ointment :

393. R. Ferri persulphatis, $\bar{3}$ ss-j.
 Unguenti cetacei, $\mathfrak{D}j.$ M.

This, if carefully applied, causes no pain.

PROF. GREENSVILLE DOWELL, M. D., TEXAS.

394. R. Plumbi acetatis, $\mathfrak{D}j.$
 Morphine sulphatis, gr. ij.
 Argenti nitratis, $\mathfrak{D}j.$
 Cerati simplicis, $\bar{3}$ j-ij. M.
 Apply a small portion at night, after bathing, and replace the piles A very
 successful formula.

PROF. G. T. ELLIOT, M. D., NEW YORK.

395. R. Magnesiæ sulphatis,
 Magnesiæ carbonatis,
 Sulphuris precipitati, $\bar{a}\bar{a}$ $\bar{3}$ ss.
 Sacchari lactis, $\bar{3}$ ij. M.
 Pulveris anisi,
 One or two teaspoonfuls at bedtime. An excellent saline laxative in hemor-
 rhoids.

PROF. ROBERTS BARTHOLOW, CINCINNATI.

396. R. Pulveris aluminis, $\bar{3}$ ij.
 Pulveris camphoræ, $\bar{a}\bar{a}$ $\bar{3}$ j.
 Pulveris opii, $\bar{3}$ j. M.
 Unguenti,
 Apply to protruding, bleeding and painful piles.

English authorities advise, in addition to the local treatment, the patient to take internally a drachm of the confection of black pepper twice daily.

The following formulæ are applicable to various complications with hemorrhoids :

397. R. Alumini et potassii sulphatis, $\mathfrak{D}j.$
 Fresh and well-washed butter, $\bar{3}$ j.
 Dissolve the sulphate of aluminium and potassium in a little water, and in-
 corporate it with the butter. Grease the hemorrhoidal tumors with this oint-
 ment morning and evening.

398. R. Gallæ pulveris, $\mathfrak{D}iv.$
 Unguenti benzoini, $\bar{3}$ j. M.
 Useful in hemorrhoids which bleed easily. When the tumors are painful, a
 half drachm of powdered opium may be added to the ointment.

399. R. Acidi tannici, $\bar{3}$ ss.
 Unguenti benzoini, $\mathfrak{D}ij.$
 Cereæ albæ, gr. viij.
 Butyri cocœ, $\mathfrak{D}iv.$ M.
 Divide into ten suppositories for hemorrhoidal hemorrhages.

400. R. Extracti krameriæ, gr. vij.
 Morphine muriatis, $\bar{3}$ ss.
 Stearinæ, $\mathfrak{D}ij.$ M.
 For one suppository in painful hemorrhoids.

401. R. Extracti opii,
 Extracti stramonii, $\bar{a}\bar{a}$ gr. iss-ijj.
 Butyri cocœ, $\bar{3}$ ij. M.
 Divide into two suppositories. One to be introduced into the rectum at bed-
 time, to relieve the pain caused by hemorrhoids. Oily enemata and rest.

402. R. Antimonii et potassii tartratis, gr. $\frac{1}{4}$ -ij.
 Butyri cocœ, $\mathfrak{D}iv.$ M.
 For one suppository, to recall the hemorrhoidal flux. Aromatic fumigations
 and warm hip-baths should assist the treatment.

403. R. Pulveris iodoformi, gr. xx.
 Butyri cocœ, $\bar{3}$ j. M.
 Make six suppositories. Excellent in tenesmus from painful hemorrhoids.

RÉSUMÉ OF REMEDIES.

Aloes, formerly thought irritating, are now highly recommended by Professors
 BARKER and OPPOLZER. (See page 313.)

Alumen. A piece of alum made into a smooth suppository will sometimes be efficient
 in bleeding piles. Solutions and ointments containing it are also useful.

Aqua. To relieve the heat and itching of blind piles, bathing with cold water, and
 enemata of it, are much esteemed.

Argenti Nitras is used by Professor DOWELL (F. 394.) When the piles are protruded,
 inflamed and tender, the gentle application of the solid nitrate often proves
 highly beneficial.

Belladonna in ointment is a soothing application :

404. R. Extracti belladonnæ, $\bar{3}$ j.
 Unguenti spermaceti, $\bar{3}$ j. M.
 For local use.

Bismuth. The subnitrate in powder, or the *liquor bismuthi* (B. Ph.) for an injection,
 has been very highly extolled.

Carbolicum Acidum. The hypodermic injection of carbolic acid is the secret of a somewhat famous so-called "immediate" pile cure. The proportions are:

405. R. Acidi carbolici crystal, partes equales.
Olei olivæ,
For hypodermic use.

Dr. A. J. ROE (*Michigan Medical News*, February, 1878,) says the following formula if used with care, causes little or no pain in any case.

406. R. Acidi carbolici (Calvert's No. 1), ℥ ss.
Iodoform, grs. xxx.
Balsam Peru, ℥ i.
Camporated phenol, ℥ iii. M.

Inject 2 to 6 drops, according to size of tumor. Inject but one or two tumors at once.

When the piles are internal, and not readily brought down, a Sims' speculum is employed to uncover them. The operator generally takes only one pile at a time, always selecting the uppermost first, and injects into its interior from four to six drops of the carbolized oil, or rather the oleized carbolic acid. The injection turns the pile white, probably coagulates the blood in its vessels, and results in its shrinking away without the inflammation being severe enough at any one time, as a general thing, to prevent the patient from attending to his business. The well-known power of carbolic acid to act as a local anæsthetic, antiphlogistic and anti-suppurative favors the progress. When the irritation of the first injection has measurably subsided, another pile is attacked in the same way; and as the patient cannot see the syringe, he supposes that he has not been subjected to any "operation," which is a great satisfaction to him. Dr. J. M. MATTHEWS, of Louisville, (*Trans. Ky. State Med. Soc.*, 1878,) gives the following rules: 1. Use the acid only in the smallest tumors. 2. Should it be used in a large tumor, inject once only in one portion, and wait several days, and then inject another portion. 3. Use the smallest amount possible in injecting, say one to three drops of the mixture of sweet oil and carbolic acid, equal parts, or a stronger solution.

Copaiba. In doses of gtt. x-xv, in convulsions, thrice daily, Prof. GROSS says no other internal remedy will prove so efficient as this, in the milder cases of the malady, and after the secretions are regulated. Its mode of action is unknown.

Creosotum in ointment is a local application.

Cubeba. In chronic hemorrhoids, cubebes have been employed with asserted advantage.

Ergota. Dr. G. W. SEMPLE, of St. Louis, has cured some obstinate cases of piles by injecting into the rectum, after every discharge, the following enema:

407. R. Extracti ergotæ fluidi, f. ℥ ss.
Aque, f. ℥ ss. M.
For one enema.

The ergot has been injected into the pile by means of a hypodermic syringe with alleged success. *Ergotin* in suppositories, gr. v, night and morning, is often of great service in bleeding piles.

Ferri Perchloridi Tinctura has been injected by a hypodermic syringe into the pile, gtt. x-xx at a time. The operation is efficient, but painful.

Ferri Persulphas is an admirable styptic applied in the form of an ointment. (F. 392, 393.)

Galla. Ointment of galls is an old and popular remedy:

408. R. Pulv. gallæ, ℥ ij.
Pulv. opii, gr. x.
Adipis, ℥ j. M.
For an ointment.

Or:

409. R. Unguenti gallæ comp.,
Extracti belladonnæ, āā partes equal. M.
Bathe the parts with hot water rapidly. (YOUNG.)

Glycerina. Dr. DAVID YOUNG, of Florence, in the *Practitioner*, January, 1878, reports five cases in which permanent benefit followed the internal administration of glycerine in from two to three-drachm doses in water, night and morning.

Hamamelis. The witch hazel is singularly useful in piles, both to check the bleeding and heal the diseased veins. It is employed both as lotion and injection, and also should be taken internally, (℥ij of the tincture three or four times a day, larger doses producing severe headache.) Dr. EDWARD R. MAYER states that the continued use of this substance in small doses (gtt. ij-iv of the concentrated tincture) will frequently cause the largest hemorrhoids to contract and disappear. When there is much infiltration of the parts, the local use of the decoction or of an ointment prepared from the extract of the plant will add much to the treatment. (*Hints on Specific Medication*, 1876.)

Hydrargyrum. Calomel ointment, or dusting with calomel in the acute stage, is a soothing application.

Iodoformum, in ointment, is efficient to relieve the local distress.

Krameria is used by Prof. AGNEW, (F. 385,) and others. It has a specifically excellent effect in rectal diseases.

Magnesia is an irritant to piles, and should not be used as a laxative when they are present.

Manna. Dr. A. E. HULL, of New York, has derived great advantage in internal piles from the following:

410. R. Mannæ, ζ iij.
Aque bullientis, q. s.

To dissolve to the consistency of cream. Then add

Hydrargyri sulphureti nigri, ζ ij. M.
Rhei pulveris, q. s.

Make a mass; divide into small suppositories; one, anointed with olive oil, every night.

Nitricum Acidum as a topical application has been often used, but is excruciatingly painful.

Opium in some form is added to many pile ointments as an anodyne. In the severe spasm and tenesmus which occasionally occur after operation, its free administration is imperative.

Piper Nigrum in considerable quantities will relieve piles. "Ward's paste," *confectio piperis nigri*, is popular in England.

Pis Nigra. Dr. R. A. VANCE, of Ohio, recommends:

411. R. Picis nigrae, ζ j. M.
Magnesia, q. s.

For 30 pills. Two after each meal.

In quite a number of cases these pills, in connection with other measures of a hygienic character, produced marked relief where the suffering had previously been almost unendurable.

Common pitch ointment is one of the best applications in the chronic stage.

Plumbi Acetas is a valuable astringent. (F. 394.) In solution, or as Goulard's extract, diluted, it soothes the irritation. When there is pain in the back, due to piles, the application of lead plaster will often relieve it.

Podophyllin. Small doses of podophyllin, gr. $\frac{1}{10}$, twice daily, have been recommended by Dr. A. HAZLEWOOD, of Michigan. (*Michigan Medical News*, June, 1878.)

Potassii Bromidum, one part to five glycerine, has proved useful as a local application to ease the pain and spasms of hemorrhoids.

Rhamnus Frangula. Dr. J. S. UNZICKER, of Cincinnati, says this remedy in the cure of hemorrhoids certainly stands unrivaled, and holds the same rank in chronic piles as potassii tartras does in those of a more acute or inflammatory form. Both, when given in their proper place, quickly remove all portal congestion, constipation, and all that disagreeable feeling connected with this complaint. The frangula ought to be given at bedtime, either as an infusion or decoction— ζ j-ij to four ounces of water—or from one to two teaspoonfuls of Squibb's fluid extract. Thus given, it acts more mildly and with less annoyance to the patient than when given in the morning. If, however, the above dose should produce more than one or two soft passages, the dose must be reduced, and purging avoided, as the latter would only aggravate the trouble and do no good.

Rheum is one of the most appropriate laxatives in this complaint. About gr. x may be chewed nightly.

Ricini Oleum is an irritant of the rectal vessels, and should not be used.

Senna is an appropriate laxative.

Stramonium, in the form of cataplasm, is often employed with advantage in inflamed hemorrhoids.

Sulphur is a popular remedy:

412. R. Sulphuris, $\bar{a}\bar{a}$ parts equal. M.
Mellis,

For an ointment in internal hemorrhoids.

It is also an excellent laxative for habitual use.

413. R. Sulphuris loti, gr. v-x. M.
Confectionis sennæ, ζ j.

This amount every morning.

Tabacum is often added with great advantage to ointments for painful hemorrhoids. Ordinary snuff may be used, j-ij to ζ j of ointment.

Tannicum Acidum is a more powerful astringent than gallic acid.

414. R. Acidi tannici, gr. xx-xxx. M.
Aque frigidæ, f. ζ vj.

To be injected into the rectum for bleeding piles.

Teucrium Scordium. The powdered leaf of the wild germander is asserted by Dr. LEBEL, of Paris, to exercise a specific influence on hemorrhoids, relieving the pain, irritation, and especially the pruritus. Dr. JOHN H. BRINTON, of Philadelphia, has found it to soothe the latter in a marked degree. The dose is gr. xv-xx of the powder thrice daily in water.

Ulmus. In the *Medical Herald*, 1879, Dr. E. J. KEMPFER observes that suppositories made of powdered slippery-elm bark and warm water, (sufficient of the latter to make a sticky mass,) medicated with fluid extract of belladonna or ergot, recommended themselves in rectal diseases and for piles.

Verbascum Thapsus. The mullein, as a remedy for painful hemorrhoids, is well spoken of by Dr. EDWARD R. MAYER, and others. It is administered both by enema and the mouth. The patient drinks thrice daily a wineglassful of the infusion, and takes an injection of the same on rising in the morning. The infusion is demulcent, and is a mild and agreeable laxative. The fluid extract, in drachm doses, has the same properties.

Zinci Valerianas, in doses of gr. j-iss, internally, has been found singularly efficient by Dr. C. DEADERICK. (*Nashville Journal of Medicine and Surgery*, March, 1879.)