

lymph. **Collargol** intravenously or by inunction, proved curative in several cases of ulcerative endocarditis (Netter); by daily inunction cured a case of malignant type (Davis). **Salicylic Acid**, is useful in the rheumatic form (P). **Iron**, the tincture of the Chloride with alkalies, if pyemic symptoms are manifested (Da C). **Rest** for some days after active signs have abated, with agents to lower the blood-pressure within the heart and vessels (Fothergill). **Leeching**, in the stage of acute inflammation is to be recommended if done early; later is useless; use cups if no leeches are at hand (Da C). **Poultices**, give great relief and are of decided benefit (Id). **Stimulants**, as Ammonium Carbonate, etc., freely, if signs of oppressed circulation appear (Id). [Compare PERICARDITIS.]

### Endometritis.

**Phenol**, undiluted, on cotton-wrapped probe; no better method of treating uterine catarrh (B). **Iodine**, the most valuable of all local remedies (E); Churchill's tincture is one of the most useful applications to the endometrium (Mundé). **Iodized Phenol**, Iodine j, Phenol, part. iv on cotton-wound probes, applied to the uterine cavity, has given the best results of any agent used for years past (Battey). **Chromic Trioxide**, as caustic, when slough is required; should only be used after dilatation of cervical canal, and at the patient's home (Mundé); a solution of gr. xv to ʒj of hot water applied with success to the uterine cavity for catarrh (Wooster). **Nitric Acid**, fuming, to uterine cavity through intra-uterine speculum (Atthill); is considered by many the one agent for all forms of intra-uterine medication; is efficient and comparatively safe but produces too much cicatricial tissue (Mundé). **Iodoform**, as suppository in rectum (B); in pencils to uterine canal. **Iodo-tannin**, locally in chronic cases (B). **Ichthyol** undiluted, applied to the uterine cavity after drying it, gives excellent results (Kurz); in 10 per cent. aqueous or glycerin solution very serviceable (Bagot); facilitates the absorption of exudates and improves the tissue nutrition in chronic uterine inflammation. **Ichthoform**, a 10 per cent. solution in glycerin, is odorless and equally effective as Ichthyol (Goldmann). **Formalin** in 30 to 50 per cent. solution, applied by cotton-wrapped probes once a week (Menge). **Picratol** in saturated solution in glycerin on tampons to relieve pain and congestion (Yale). **Ergotin** gr. j subcutaneously, for the train of uterine disorders depending on passive congestion of the organ (P). [See HYSTERIA for formula.] **Glycerin**, as a local application, introduced by Sims, is of great value; especially as a vehicle for the impure Phenol or Iodine, on cotton or oakum (E). **Hot Water** injections in large quantity about the os uteri, are of great value (E); as usually made are of no value; must be applied by special syringe, in the dorsal recumbent posture with elevated hips, at a temperature of 100° to 120° F. twice daily for at least 20 minutes each time, and persevered in for months and years (Mundé). [Compare UTERINE CONGESTION and HYPERTROPHY.]

℞. Potassii Iodidi,  
Potassii Bromidi,.....āā gr. xx.  
Tinct. Iodi,.....ʒss.  
Aque,.....ʒij.  
M. For hypodermic injection into cervix, in chronic cervical metritis. (Bennett.)

℞. Ergotini,.....gr. xx.  
Tinct. Iodi,.....ʒj.  
Glycerini,.....q. s. ad ʒj.  
M. Sig.—Apply twice daily with camel's-hair brush, in cervical metritis. (Dabney.)

### Enemata.

**Enemata**, for an infant, ʒss-j; child of 2 to 5 years, ʒij-vj; 5 to 15 years, ʒvj-Oj; adult, Oj-quart j. A simple domestic enema consists of soapsuds with a little common salt, or a pint of cold water (B). Simple warm water or gruel sometimes; or to one or the other of these add Soap, Turpentine, or Castor Oil, with soap or gruel to suspend the two latter. Very cold water may be used without inconvenience. Starch, boiled or raw, of cream consistence, temperature 100°, with a few drops of Tinct. Opii, in extreme cases of choleraic diarrhea, or that of phthisis or typhoid fever (R).

**Nutrient Enemata**, should contain materials for artificial digestion, as the rectum is not an organ of digestion, and to secure rapid osmosis should have an acid reaction. A suitable formula is appended below. Inject slowly and not frequently; five times in twenty-four hours should be the maximum. Defibrinated blood has also been used as a rectal injection with good results, being completely absorbed (B). Enemata should not exceed three or four ounces of bland material, injected slowly, after ascertaining that the rectum is not filled with feces (R). Compare the subtitle INJECTIONES, in Part II.

*Nutrient Enema.*  
℞. Infusi Carnis (Beef-tea),...ʒiv.  
Acidi Hydrochlorici,.....ʒxx.  
Glycerini Pepsini (Scheffer), ʒij.  
If rectum irritable add 10 to 20 drops of  
Laudanum.

*Enema Ricini et Terebinthina.*  
℞. Ol. Ricini,.....ʒjss.  
Ol. Terebinth.,.....ʒss.  
Ovum,.....j.  
Decocti Hordei, vel  
Aq. Fervid.,.....ʒxiv.

### Enteritis.

**Opium**, to the point of tolerance, is the remedy, the deodorized tincture in 10-drop doses every second or third hour, according to age (Da C) of great value to control inflammation and quiet the intestines (B); proves of signal use (Wa). **Aconite**, of great utility in acute inflammation with high temperature, sthenic condition, resisting pulse (R). **Arsenic**, surprisingly curative; small doses with Opium (B). **Podophyllum**, with occasional doses of Aconite, will often allay the vomiting and diarrhea (P). **Ricinus Communis**, is employed with great advantage (P). **Lime-water**, in mucous enteritis. **Tannalbin**, is very efficient in the acute and chronic enteritis of children (Goliner). **Ichthoform** as an intestinal antiseptic, is valuable in acute gastro-enteritis and chronic gastro-intestinal catarrh (Goldmann). **Turpentine** stupes, hot, over seat of disease, are of advantage (Wa). **Skim-milk**, is of the highest value as sole diet in acute inflammation of digestive organs (B). **Poultices**, Linseed, large and hot (Wa); may be used or not, as the patient feels benefit from them or otherwise (Da C). **Water**, hot fomentations, followed by a wet compress; cold and hot, principally cold, or ice, of unquestionable advantage (B). Ice or cold water freely swallowed. Perfect quiet in bed. **Diet**, no food until inflammation subsides, then beef-tea, milk, gum-water, etc., the very mildest and most bland diet for four or five days (Da C). [Compare APPENDICITIS, CHOLERA, DIARRHEA, DYSENTERY, PERITONITIS, TYPHLOITIS.]

### Enuresis.

**Belladonna**, no single remedy so uniformly successful; children require large doses; small doses are useless (P); a solution of Atropine best, gr.  $\frac{1}{20}$  to  $\frac{1}{10}$  (B); the best remedy for children, gtt. x-xx of the tinct. three times a day; if unsuccessful and no worms or other irritation exist, try Strychnine, Cantharides, Turpentine, Santonin or Galvanism (R). **Santonin**, in over-doses produces incontinence of urine in children, but curiously will sometimes stay the habit, even when not dependent on worms and in cases where Belladonna fails (R); in the enuresis from worms (P). **Cantharides**, one or two drops of the tinct. three or four times a day in middle-aged women or the aged, even when due to paralysis; sometimes also in children, but for them Belladonna is generally better (R). **Hydrated Chloral**, enuresis in children (R); three-grain doses thrice daily for infantile incontinence (Da C). **Strychnine**, may succeed when the above remedies fail (B); sometimes useful for old people with paralysis of bladder, also for children (R). **Quinine**, in full doses, does good service in cases where chorea exists (Potts). **Buchu**, often successful in chronic enuresis (P). **Turpentine**, small doses sometimes remove the trouble (B). **Lupulin**, said to be useful; Herzfelder used it with advantage. **Rhus Aromatica**, has proven curative in 75 per cent. of cases treated with it and of great benefit in the other 25 per cent.; the fluid extract, ʒxx-xv four times daily in glycerin and water (Stein). **Scutellaria**, remarkably efficient in many instances,

℥j of the fluidextract thrice daily for a child 12 years old. **Potassium Nitrate**, has been recommended for children (R). **Potassium Bromide**, succeeds in some cases (Wa). **Collodion**, painted to form a cap over end of prepuce (R). **Ergot**, when from paralytic state of sphincter (B); said to be useful (R). **Iron Iodide**, the syrup ℥xv-xx, well diluted with water, ter die, in pale, delicate, strumous children (B); sometimes useful even when no worms (R). **Habits**, children to be taught to retain water as long as possible during the day, little salt to be eaten, abstinence from fluids not necessary, bland fluids diminish acidity of the urine. Removing meat from the diet has cured several cases permanently, after all remedies had been tried without success. Removal of starchy food corrects the enuresis of children (Lewiss).

℞. Strychninæ Sulph.,..... gr. j.	℞. Tinct. Ferri Chloridi,..... ℥ij.
Cantharidis,..... gr. ij.	Fluidextr. Ergotæ..... ℥v.
Morphinæ Sulph.,..... gr. jss.	Spt. Chloroformi,..... ℥ij.
Ferri Reducti,..... gr. xx.	Tinct. Quassia,..... q. s. ad ℥iv.

Ft. pil. no. xl. Sig.—One thrice daily for a child of 10 years. (Gross.)

M. Sig.—A teasp. in a winegl. of water thrice daily for children.

### Epididymitis.

**Aconite**, alternately with **Pulsatilla**, the latter in very small doses, a few drops of tinct. in a glass of water, a teasp. every 2 or 3 hours, produces the happiest effects (Pf, St). **Belladonna**, the extract, ℥j-ij ad ℥j of glycerin and water, on lint, applied to the inflamed testicle (Bumstead). **Tobacco**, with Linseed meal, as poultice, cautiously! (P). **Mercury** and **Morphine**, locally, a 20 per cent. oleate by inunction, in cases of syphilitic origin (R). **Silver Nitrate**, gr. lxxx ad ℥iv aquæ destil. freely applied to the scrotum will sometimes abort an epididymitis (Wa). **Guaiacol** in 20 per cent. ointment with Lanolin as a base, used first with gentle massage, then applied on lint daily for 6 days, followed by Ichthyol ointment, 25 per cent. (Christian). **Lobelia**, the tinct. with an equal amount of glycerin, locally to relieve the pain. **Moist Heat** locally for 2 or 3 days before beginning the guaiacol treatment, will give speedy relief (Christian). **Strapping** and suspensory bandage to support the testicle, also rest in the recumbent posture from the beginning, with a saline cathartic to clear the bowels are all measures of great importance (Bumstead). [Compare ORCHITIS.]

### Epilepsy.

**Bromides**, should be first employed in all cases, there being no remedy equal to large doses of Bromine salts, which should be persistently continued for many months, and with short periods of rest may be kept up for years; the combination mixture of Bromides has been taken by patients for 8 to 10 years without harm (Brown-Séquard); Bromides taken for long periods without a physician's supervision have caused profound muscular depression, mental alienation and death (Hammond). **Ammonium Bromide**, preferred in *petit mal* by many authorities; combined with other bromides, as in Brown-Séquard's mixture before meals, with Strychnine or Arsenic and a vegetable bitter after meals; in combination with Antipyrine (W). **Aurum Bromide**, is highly efficient in doses of gr.  $\frac{1}{8}$  to  $\frac{1}{2}$ ; the solution of Aurum and Arsenic Bromide, in 5-minim doses thrice daily, increased to 10 minims, gave very satisfactory results in a severe case in a boy aged 7 $\frac{1}{2}$  years (Barclay). **Potassium Bromide**, gr. xl ter die before meals, double dose at bedtime, for two or more years after all epileptic indications have ceased; is generally useful, especially in daytime seizures and *grand mal* of sexual origin; also for infantile convulsions (B); especially in convulsive form, but often powerless (R). **Sodium Bromide**, gr. xx ter die, will arrest epilepsy without producing the cerebral symptoms of bromism (Clymer). **Lithium Bromide**, ℥ss daily, acts in some cases after Pot. Brom. has failed, and is generally efficient in about one-half the dose of the latter salt (Weir Mitchell). **Nickel Bromide**, gr. v thrice daily is remarkably efficient in the epilepsy occurring at the menstrual epoch, and cases which have withstood the action of the other bromides (Da C). **Ferrum Bromide**, will often cure cases in

weak and anemic subjects; also with Potassium Bromide to combat the anemia and depression produced by the latter (B). **Zinc Bromide**, gr. v in water and glycerin four times daily; may be combined with the other bromides. **Strontium Bromide**, in doses of gr. xx thrice daily, gradually increased; has been beneficially used as an alternate, being much less liable than the others to produce bromism (Sée); should be given in 30-grain doses, and combined with a dose of Physostigmine, when its effect on epilepsy is very marked (Stanley); both the Strontium and Calcium Bromides may be used with benefit (Féré). **Bromipin** has proved effective when the bromides were ineffective (Schulze); fully replaces the alkaline bromides and is the best of all the bromine compounds (Frieser).

**Opium**, a valuable adjunct to the Bromide treatment, a prolonged treatment by opium rendering the organism extremely susceptible to the action of bromides; for 6 weeks ascending doses beginning with 1 grain, up to a daily dosage of 15 grains or more; then suddenly stopped and replaced by 30-grain doses of Potassium Bromide four times daily, produced remarkable effect on cases in which all other medication for several years had failed (Flechsing). **Apomorphine** gr.  $\frac{1}{10}$  hypodermically, an excellent sedative in hystero-epilepsy and pure epileptic seizures (Faucher). **Belladonna**, for *petit mal* and nocturnal epilepsy, in pale and anemic subjects, should be given for a year or more; extract and leaves, gr.  $\frac{1}{2}$  of each in pill, every day at same hour, one additional pill every month (Tr); useful, especially when from fright (P); when the bromides fail of effect (Brower). **Atropine** is better than belladonna, drop doses of a 1 per cent. solution of the sulphate in brandy (Tr). **Sodium Borate**, in doses of gr. xx 3 or 4 times a day, has produced very good results in nocturnal epilepsy; is of real value and better than Bromides in symptomatic epilepsy, may also be found useful in nervous forms after the bromides have failed (Mairet); if begun with small doses may be gradually increased to 90 grains a day; when dose exceeds 60 grains daily it is advisable to add glycerin to the water and syrup used as excipients (Dijoud); excellent results obtained from a combination of Borax with Bromides, especially Sodium Bromide (Alexander). **Digitalis** is valuable in *petit mal* and in nocturnal epilepsy (Da C), a good addition to the bromides when there is cardiac weakness (Huchard); 10-minim doses of the tincture with 20 grains of Potassium Bromide thrice daily, in cases complicated with cardiac dilatation (Gowers): Digitalis, Belladonna or Physostigma in combination with the bromides give better results than the latter alone (Poulet). **Physostigma** used in 12 cases, of which 6 were improved, and in the others a notable increase took place in the number of the paroxysms (Williams). **Chloral**, a valuable auxiliary in troublesome cases with tendency to insomnia, violent convulsions or maniacal excitement; should be given in the evening, combined with bromides and used with caution when cardiac debility (Y); in full doses at night the most suitable remedy for the nocturnal variety (B). **Chloretone** is used with benefit (Sinkler); in doses of gr. iij very effective in a severe case of epilepsy in a child of 5 years, apparently due to alcoholic poisoning (Ellis). **Antipyrine** in combination with Ammonium Bromide, gr. vj with gr. xx, has proved very efficient, alleviating some quite hopeless cases (W); is a real gain in the management of epilepsy (Y); Potts has published a report of 43 cases treated with this combination. **Acetanilide**, of great value where bromides fail; in four such cases it produced definite cures in doses of 7 $\frac{1}{2}$  grains in cachets thrice daily (Dujardin-Beaumont); of very uncertain action (Y); is most useful in the diurnal form and in cases of full habit, active circulation, red face and injected eyes (B). **Trional**, is a useful substitute for the bromides (Mackey). **Ignatia**, in convulsions unattended with cerebral congestion (P); is *par excellence* the controller of functional phenomena of the cerebro-spinal axis (Pf). **Strychnine**, is useful in idiopathic epilepsy, but injurious in symptomatic form; benefits when Potassium Bromide fails; when cerebral anemia, nocturnal attacks (S, Pf); if bromides fail and case is anemic, give Strychnine, gr.  $\frac{1}{10}$  ter die, and push it (B); when the circulation is poor (Brower). **Amyl Nitrite** inhaled at the beginning of the aura will prevent an attack (B); or ℥ij-v in mucilage when fits are very frequent (R). **Nitro-glycerin**, is slower in action than Amyl Nitrite, but more enduring (Pf); is a useful alternative to the bromides (Pellegrini). **Chloroform**, by inhalation during paroxysm and also in intervals (Wa); is of high value especially in cases of an hysterical character (Brown-Séquard). Anesthetics are rarely

called for (W). **Amylene Hydrate**, in 10 per cent. solution, of which a tablesp. or two daily, of value in *petit mal* and nocturnal epilepsy, also when bromides have failed, and where the attacks are not only very frequent but severe (Nache). **Hydrastinine**, has been used with benefit, in doses of gr.  $\frac{1}{4}$  to gr.  $\frac{1}{2}$  of the Hydrochlorate, up to gr. ij daily. **Picrotoxin**, anemic subjects, attacks occurring at night,  $\frac{1}{60}$  to  $\frac{1}{20}$  of a grain hypodermically, or  $\frac{1}{30}$  to  $\frac{1}{15}$  by stomach (B); benefits cases resulting from onanism (P). **Cannabis Indica**, has given good results, is suitable for *petit mal*, the nocturnal variety, and with Strychnine, Belladonna, or Picrotoxin for cases characterized by anemia and depression (B). **Quinine**, when of malarial origin (P); often useful in intermittent epilepsy (Ros). **Arsenic** is sometimes useful (R); in epileptiform vertigo from gastric disorder (B); the Bromide of Gold and Arsenic (see above). **Silver Nitrate**, is not without efficacy, and was formerly much used, but the danger of staining the skin has caused its disuse, especially as better agents have been found (Wa). **Copper Salts**, may be useful in cases originating from the stomach; were formerly much used (B); the Nitrate or Oxide often given with benefit (R); the Ammonio-sulphate, gr.  $\frac{1}{4}$  in pill, thrice daily to begin with; should not be continued beyond 3 or 4 months at a time (Brown-Séguard). **Zinc Salts**, have been much used in place of silver and copper salts, not having the serious drawbacks attending the latter agents; the Oxide is probably useful only in cases originating from the stomach; much said for and against it (R); in doses of gr. iij-v may be added to the bromide treatment with benefit (Brower); the Citrate and the Lactate are preferred by many, as less likely to cause stomach derangement (Y). **Orchitic Extract**, also **Spermine**, have been used with benefit. **Turpentine**, has long been used, when due to reflex impression of intestinal parasites (B). **Conium**, not equal to the bromides (B); not of much value (P). **Valerian**, has been used with some advantage (R). **Bryonia**, has an ancient reputation (P). **Rue**, may benefit when seminal emissions (P). **Solanum Carolinense** (the Horse-nettle), in tincture of the berries, made by bruising them and steeping in whiskey, has quite a reputation among the negroes for epilepsy and other convulsive affections, and has rendered good service in my hands (Napier); the fluidextract  $\mathfrak{ss}$ -ij, as synergist to the bromides (Brower). **Adonis Vernalis**, the fluidextract,  $\mathfrak{mss}$ -v, in cases showing feeble heart (Brower). **Hypochlorization** by the removal of Sodium Chloride from the food, replacing it by Sodium Bromide, an important adjuvant to the treatment (Clark). **Fats and Oils**, especially cod-liver oil, when faulty assimilation exists (B). **Galvanism** is of service in idiopathic epilepsy (B). **Diet**, the use of meat must be prohibited entirely in many cases. **Trephining** the skull, has cured two cases of Jacksonian epilepsy (England); has given good results in several cases where a distinct impression from injury existed; in others where apparently indicated it has been of no service. [Compare CONVULSIONS, HYSTERIA.]

℞. Potassii Bromidi,..... ℥j.  
 Ferri Bromidi,..... gr. iv.  
 Aquæ,..... ℥ij.  
 Syrupi Simplicis,..... ℥vj.  
 M. Sig.—A tablesp. twice daily.

℞. Strychninæ Sulphatis,..... gr. j.  
 Acidi Sulphurici Dil.,..... ℥x.  
 Aquæ Destil.,..... ℥iv.  
 M. Sig.—A teasp. gradually increased to a dessertsp. after each meal.

℞. Potassii Bromidi,  
 Sodii Bromidi,  
 Ammonii Bromidi,..... āā ℥iij.  
 Potassii Iodidi,  
 Ammonii Iodidi,..... āā ℥jss.  
 Ammonii Carbonat.,..... ℥j.  
 Tinct. Calumbæ,..... ℥jss.  
 Aquæ,..... q. s. ad ℥viij.  
 M. Sig.—A teasp. and a half before each meal, and three teasp. at bed-time.  
 (Brown-Séguard.)

### Epistaxis.

**Aconite**, has been used with the best results (P); small frequent doses quickly check epistaxis in children and plethoric people (R). **Antipyrine**, has been highly efficient; in 5 to 15 per cent. solution as a local hemostatic, it will arrest almost any nasal hemorrhage (Huchard). **Adrenal Extract**, used both locally and internally, is very efficient. **Adrenalin Chloride**, the 1 to 2,000 solution sprayed into the anterior nares, is effective, (Robinson); on cotton tampon into the nares proved efficient in a

persistent and alarming case resisting other treatment (Booth). **Cotarnine**, the Hydrochloride in 10 per cent. solution locally, remarkably successful (Munk). **Gelatin**, 5 parts dissolved in 95 of normal salt solution and sterilized by boiling at a temperature not above 239° F., is a promptly styptic application (Carnot). **Arnica**, internally, is of great service in epistaxis from mechanical violence (P). **Belladonna**, when the bleeding is of congestive origin (P). **Ipecacuanha**, has been highly praised (R); acts upon the vessels (B); gr. j-ij every quarter hour until nausea is felt, but vomiting need not be excited (Wa). **Hamamelis**, venous hemorrhage (Pf). **Ergot**, ℥ss-℥j of fresh powdered Ergot, or ℥j-℥ij of fluidextr. every half hour or hour, necessary in urgent cases (B). **Alum**, injected or snuffed up in powder (R). **Iron Spray**, in obstinate cases Liq. Ferri Subsulph., ℥j to ℥viij aquæ by spray or injection; the tinct. of the Chloride also useful (B); diluted ℥ij in ℥vj injected into the nostrils is often effectual (Wa). **Ferropyrin** as a styptic and hemostatic, is remarkably efficient. **Tannin**, finely powdered, blown into the nostrils through a quill (Wa); a strong solution, ℥ij ad ℥iv, by nasal syringe (B). **Turpentine**, may be given internally with advantage (Wa); especially in debilitated conditions (B). **Lead Acetate**, gr. ij-iv with Opium gr. ss-j, proves signally useful (Wa). **Vinegar**, on lint introduced into the nostrils, sometimes highly efficient (Wa). **Digitalis**, is of undoubted benefit (B); the infusion best (R). **Tamponade**, a condom makes an excellent tampon, inserted and inflated by means of a flexible catheter, then tied close to the exterior nares (Matthews). **Facial Artery**, compression of (R). Keep head elevated and cool, warm the feet and hands by plunging into hot water, apply ice over the nose, resort at once to the tampon if bleeding becomes alarming. Cauterize with electric cautery any ulcers in anterior nares. [Compare HEMORRHAGE.]

### Eruptions Produced by Drugs, etc.

**Aconite**, vesicular exanthemata. **Antimony** (locally), papules, vesicles, pustules, similar to the eruption of small-pox. **Antipyrine**, erythema and urticaria, chiefly on thighs and abdomen, with much itching and dyspnea. **Antitoxin** (Diphtheritic), erythema, with pain in the joints. **Arsenic**, erythema, eczema, papules, vesicles, pustules. **Atropine**, erythema, like the rash of a scarlet fever. **Belladonna**, as Atropine. **Borax**, papules, scarlatiniform. **Bromides**, acne, chiefly on the face and back; pustules, deep tubercles with ecchymoses, ulcers, pemphigus. **Castor Oil**, urticaria. **Cinchona**, as Quinine. **Phenol**, erythema. **Hydrated Chloral**, erythema, on face and neck, itching, desquamation, eczema, petechiæ, purpura. **Codeine**, as Opium. **Copaiba**, also **Cubeb**, urticaria, erythema, eczema, pemphigus; the Copaiba rash has a preference for the ankles and wrists. **Cod-liver Oil**, acne. **Croton Oil** (locally), papules, pustules. **Digitalis**, erythema, after long usage. **Enemata**, of the simplest form, as soap and water, may cause a bright scarlet rash and other symptoms of a mild septic toxemia (Burford). **Iodides**, acne, papules, vesicles, pustules, eczema, ecthyma, ecchymoses and purpura; the Iodide rash prefers the face and back of neck and shoulders. **Mercury**, erythema, eczema. **Opium and Morphine**, erythema, papular eruption with marked desquamation and itching. **Phosphorus**, purpura. **Quinine**, erythema, scarlatina, papular erythema, hemorrhagic purpura, pemphigus and prurigo; the prevailing type of the Quinine eruption is erythema, or exceptionally eczema or purpura, and is essentially ephemeral; it is of a bright vivid hue, disappearing on pressure, and resembles the scarlatinial rash, first appearing on face and neck, and thence spreads over the body: in some instances it comes in distinct spots and resembles measles; in others it is an urticaria, with some edema, and distressing burning, tingling, and itching; five cases of purpura are authentically reported. **Rhus Toxicodendron** (and other varieties of Sumac), vesicles perhaps pustules, with redness, swelling and intolerable itching. **Salicylic Acid**, urticaria, purpura, pemphigus, vesicular angina. **Santonin**, pemphigus, vesicles. **Stramonium**, as Atropine. **Strychnine**, as Quinine. **Sulphur** (locally), erythema, eczema. **Tar** acne. **Tartar Emetic** (locally), as Antimony; in some cases of poisoning by tartar emetic a rash of the above description appeared all over the body. **Turpentine**, as Copaiba.

Articles of Food producing eruptions are: **Acid Fruits**, may cause acute eczema. **Strawberries**, urticaria. **Apples**, acneform efflorescence about the mouth. **Walnuts**, inflammation of buccal mucous membrane. **Shell-fish**, urticaria. **Roast Turkey**, in one case caused great urticaria. **Lager Beer**, acne in some. **Alcohol**, aggravates cutaneous inflammations. **Butter**, **Oatmeal**, **Buckwheat**, **Fish**, are popularly credited with causing eruptions, but there is no evidence therefor. **Mangos**, pemphigus and other eruptions, in persons who are not accustomed to this fruit.

### Erysipelas.

**Pilocarpine**, to abort the disease, very efficient if used early, gr.  $\frac{1}{4}$  hypodermically, or fluidextract of Pilocarpus internally; when free diaphoresis occurs, the temperature and pulse fall to normal and the disease is checked; not suitable to debilitated cases or those with a weak heart (Da C). **Aconite**, a favorite remedy with Liston, if used at beginning when fever high (Wa); no more useful agent in idiopathic erysipelas especially facial, and cases of sthenic type (B); at onset often cuts the attack short; is very useful in the erysipelas following vaccination (R); very valuable in sthenic cases (P); especially so in traumatic erysipelas (Tr). **Belladonna**,  $\mu\mu$  of tincture in water every hour for five or six doses, also locally; has astonishing power in superficial and non-vesicular forms, also when erysipelas attacks the brain and in the phlegmonous type (P); for similar indications as noted under Aconite, also when adynamia; if much fever combine it with Digitalis or Aconite, when much depression give it with Quinine; gr.  $\frac{1}{4}$  of the extract with gr. ij of Quinina Sulph. every 3 or 4 hours (B); the extract with Glycerin, equal parts, spread thickly over the surface (Quain); should be used both internally and externally and may be combined with Aconite (R). **Iron, Tincture of the Chloride**, the nearest to a specific yet discovered; the remedy of most service, any man being decidedly to blame who neglects its use; requires decided doses, gtt. xl every four hours (Da C); treatment by it very general but questionable (B); should be given with shorter intervals than 4 hours (R); is very successful in this disease (P); ten-drop doses every hour, or  $\mu\mu$ xl every 4 hours (Quain); is also used locally with much success, being painted over the surface in full strength. **Quinine**, may be given with the Iron, also alone if thoracic complications, wherein Iron might be contra-indicated (Da C); a combination of Quinine and Tincture of the Chloride of Iron offers special advantages (Wa); in the more severe cases to sustain the vital powers and prevent cerebral embolism; but large doses, gr. xv-xx every 4 hours, are alone of any use (B). **Ammonium Carbonate**, when feeble circulation, cyanosis and delirium, also when any signs of embolism appear (B); highly useful in debilitated subjects (Wa); after free purgation the continued use of this salt is all that is needed in most cases (Watson). **Sodium Salicylate** has an almost specific effect (Hallopeau), used internally also externally as a 5 per cent. lotion on compresses (Moore). **Quinine Salicylate** is an excellent adjuvant, especially in the advanced stages when a tonic is required (Id). **Potassium Iodide**, with agents to secure free action of the bowels, skin and kidneys, the most efficient treatment in erysipelas ambulans, in which Iron and Quinine are useless (Da C). **Antipyrine**, is particularly efficient when hyperpyrexia (Ernst). **Rhus Tox.**, a very useful remedy in the vesicular form (P). **Tartar Emetic**, in doses of gr.  $\frac{1}{16}$  frequently repeated, renders incontestable service (B). **Calomel and Jalap**, as purgative at onset, followed in 4 or 5 hours by Magnesium Sulphate  $\bar{3}$ ss (Da C). **Chloral**, is an admirable adjunct to give sleep at night (Id). **Turpentine**, as a stimulant in traumatic erysipelas, more generally serviceable than alcohol (B). **Streptococcus Antitoxin** was used in 411 cases with a mortality of 33 per cent. (Marmorek); used in several cases with Ichthyol ointment locally, all recovering (Davis).

**LOCAL APPLICATIONS.** **Silver Nitrate**, by Higginbotham's method in traumatic form; gr. lxxx of the brittle stick dissolved in  $\bar{3}$ iv of water and painted 2 or 3 times over inflamed surface and beyond, after careful washing and drying (R); no agent more useful in subduing external inflammation. **Iodine**, painted over affected and neighboring surfaces, to prevent spreading (R). **Ichthyol**, is very efficient as a 10 to 25 per

cent. collodion: Ichthyol and Ether, of each 5, Collodion 10 parts, with or without the addition of Castor Oil; has almost specific properties in this disease (Radcliffe); in 25 per cent. ointment with Lard as a basis, the best external treatment, being almost specific (Eberson); affects the micrococci and shortens the duration of the disease one-half (Klein); was employed in 100 cases with excellent results (Allen). **Thiol**, the dry form as a dusting powder, is an excellent application. **Thigenol** pure, is a very efficient agent. **Sulphurous Acid** and Glycerin, equal parts, or a solution of Sodium Bisulphite (Dewar). **Zinc, Benzoated**, as ointment, or the Unguentum Zinci Oxidi, anything to exclude the air, and whichever one is most agreeable to the patient (Da C). **Bismuth**, the Ointment of the Oleate, a very certain application to allay itching and burning and lessen pain (Shoemaker). **Picric Acid** in saturated solution, relieves the pain and burning sensations (F). **Guaiacol** with Menthol, in camphorated oil, painted on every 2 hours (Desesquelle). **Protargol**, a 5 per cent. solution on compress, proved very efficient in a severe case (Van Hoesen). **Mesotan** cured a severe case of the facial form (Ruhemann). **Glycerin**, as the official cataplasm of Kaolin, an excellent application. **Collodion**, a thick coat relieves the symptoms (B); the Iodized Collodion is a serviceable application. **Oil**, by inunction is very grateful in simple erysipelas (B). **Oil of Turpentine**, painted over surface is said to be remarkably efficient. **Vaseline**, Lard or Mercurial Ointment diluted,  $\bar{3}$ j to  $\bar{3}$ j of Vaseline; the simplest applications are the best (B). **Phenol**, one part, with 8 to 14 parts of Oleic Acid, locally by inunction for 3 or 4 minutes every  $\frac{1}{4}$  hour, all around the edge of the diseased part until it ceases to spread (Jacobi). **Cotton Wool**, sprinkled with flour or a mixture of Starch and Zinc Oxide, is a good application (B). **Earth**, clean yellow clay, free from grit or sand and powdered, applied directly to the skin in the form of a smooth paste, made by mixing it with water, the best of all applications, having properties of antiseptic, antiphlogistic, antipyretic, and antimorbific nature (Hewson).

**Tracheotomy**, promptly if edema of glottis occurs, the operation giving time for inflammation to subside (Da C). **Incisions**, may be necessary in traumatic erysipelas when limb is greatly swollen and inflamed; also in the phlegmonous variety (Id). **Diet**, a milk-diet is generally suitable should be light but nutritious (R); feed the patient well (Da C). [Compare PHEGMON.]

R. Quinina Sulphatis,.....  $\bar{3}$ j.  
Ac. Sulphurici Dil.,..... q. s.  
Aqua,.....  $\bar{3}$ ij.  
Tinctura Ferri Chlor.,.....  $\bar{3}$ ss.  
Spt. Chloroformi,.....  $\bar{5}$ vj.  
Glycerini,..... q. s. ad  $\bar{3}$ iv.  
M. Sig.—A teasp. in water every two hours. (Loomis.)

R. Tinct. Ferri Chloridi,  
Syrupi Tolutani,.....  $\bar{a}\bar{a}$   $\bar{3}$ j.  
Liq. Potassii Citratis,.....  $\bar{3}$ iv.  
M. Sig.—Teasp. to tablesp. according to age, every 3 hours. (W. F. Anderson.)

R. Pyroxylini,.....  $\bar{3}$ j.  
Ætheris,  
Alcoholis,.....  $\bar{a}\bar{a}$   $\bar{3}$ v.  
Solve, et adde—  
Ammonii Iod.,.....  $\bar{3}$ j.  
Ammonii Bromidi,..... gr. xx.  
M. Sig.—For local use with a camel's hair pencil. (Humphreys.)

R. Plumbi Acetatis,  
Ammonii Carb.,.....  $\bar{a}\bar{a}$   $\bar{3}$ j.  
Aqua Rose,.....  $\bar{3}$ viii.  
Ft. lotio. Sig.—Apply on lint, to allay irritation. (Pearl.)

### Erythema.

**Antipyrine**, internally for the itching, is efficient. **Belladonna**, useful in cases resisting ordinary treatment (B). **Quinine**, the most valued remedy in erythema nodosum (B). **Rhus Toxicodendron**, a valuable remedy (P). **Zinc Sulphate**, as lotion, with Alum and Glycerin, or the Acetate, in ointment (see below). **Picric Acid**, in 1 to 5 per cent. solution locally, for erythema due to poison oak (Maddock). **Bismuth Subcarbonate**, dusted over erythema about genitals of infants soothes pain and promotes healing (B). **Mineral Acids**, Nitric and Nitro-hydrochloric, have been advantageously used in erythema from imperfect digestion (B). **Dusting Powders**,

of Starch, Lycopodium or Buckwheat flour are very useful. **Thiol**, the dry form, as a dusting powder. [Compare INTERTRIGO.]

<p>℞. Plumbi Carbonatis, ..... āā ʒj. Bismuthi Subnit., ..... āā ʒj. Sodii Bicarbonat., ..... ʒss. Ung. Zinci Oxidi Benz., ..... ʒij. Ft. unguentum. Sig.—Local use.</p>	<p>℞. Zinci Acetatis, ..... gr. ij. Aquæ Rosæ, ..... ʒj. Ung. Aquæ Rosæ, ..... ʒj. M. Sig.—Ointment.</p>
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### Esophageal Affections.

**Belladonna**, the liniment with frictions to the sternum, often very useful as a palliative in stricture of the esophagus (Wa). **Conium**, in spasmodic contractions, with crampy pains of stomach, flatulence, and globus hystericus, has proved very serviceable (Wa). **Hyoscyamus**, or **Conium**, in stricture of esophagus, if much irritability; with occasional leeching to relieve exacerbations of pain or spasm (D). **Silver Nitrate**, in stricture of the esophagus, a weak solution on sponge probang (D). **Thiosinamin**, a 10 per cent. solution in glycerin and water, hypodermically in the interscapular region every other day, to promote absorption of scar-tissue in cicatricial stenosis of the esophagus (Teleky). **Anesthetics**, should be used only to meet temporary indications (W). **Nutrient Enemata**, in stricture of the esophagus, when swallowing impossible (R); may, in some cases, even preserve life (Wa). [See ENEMATA.] **Dilatation**, by bougies, in non-spasmodic (structural) stricture, the only appropriate treatment (H). [Compare CHOKING, DYSPHAGIA.]

### Exhaustion.

**Acetanilide**, for the "tired feeling," a pinch put into the mouth, mixed with saliva and swallowed, rests one up in a few minutes and makes one as fresh as before (Brodnax). **Arnica**, a few drops internally for aching of the muscles (R); in nerve prostration with general aching from over-fatigue (P). **Phosphorus**, for physical or mental exhaustion; also in depression from overwork (R). **Calcium Phosphate**, combined with **Calcium Carbonate** and **Ferric Phosphate**, gr. j of each for a dose (R). **Potassium Bromide**, when insomnia, bad dreams and irritability (R). **Opium**, gtt. j of Laudanum with 2 or 3 of the Tinctura Nucis Vomicae, 3 or 4 times a day, for symptoms of exhaustion with headaches, flushing and dyspepsia (R). **Ammonia**, internally; its influence is but brief (R). **Coffee** or **Tea**, in hot or cold climates (R). **Castor**, is serviceable but seldom used (P). **Musk**, benefits all forms of nerve-exhaustion (P). **Cimicifuga**, for headache from overstudy or excessive fatigue (R). **Alcohol**, of value in all conditions of fatigue (P). **Coca**, lessens the sense of fatigue under exertion, relieves thirst, and obviates the effects of a too rarefied atmosphere; is suitable for weakly subjects easily fatigued and convalescents (P). **Cocaine**, has been used successfully in exhaustion from sunstroke, loss of blood and diarrhea (P). **Wet Sheet**, dripping, cold, as a restorative and to prevent aching of muscles (R). **Sea Bathing**, is valuable (R). **Habits**, change of occupation better than absolute rest. [Compare ADYNAMIA, CONVALESCENCE, INSOMNIA, MYALGIA, NEURASTHENIA.]

### Exophthalmos.

**Exalgin**, has been used with some success in the treatment of exophthalmic goitre (Churton). **Belladonna**,  $\mathfrak{m}\mathfrak{v}$  of tincture hourly, of great service (R); results recorded from its use are very remarkable, but Digitalis will usually answer better (P). **Duboisine**, gr.  $\frac{1}{20}$  of the sulphate 2 or 3 times daily, has produced remarkable results in one case (Hunt). **Opium**, may be of use in some cases (P). **Iron**, with Digitalis, seems to do more good than any other medicine (Da C). **Chalybeate Waters**, are beneficial (B). **Aurum Bromide**, in daily doses of gr.  $\frac{1}{8}$  to  $\frac{1}{6}$ , continued until its characteristic headache is produced (Goubert). **Bromides**, with Iron, of very great value in the milder forms associated with anemia in young women (Y). **Digitalis**,

to raise arterial tension and slow the heart, is decidedly ameliorative in young subjects (B); in some cases beneficial, but in others it increases the cardiac excitement and makes matters worse, while its tendency to cause gastric irritation is more manifest in this disease than in any other (Y). **Strophanthus**, quiets the cardiac action and is of real service in this malady; 5 minims may be given thrice daily (Y). **Convallaria**, ameliorates the painful palpitation (Wa). **Arsenic**, gr.  $\frac{1}{2}$  twice daily, increased with intermissions up to gr.  $\frac{1}{6}$  daily, is my favorite remedy (Jaccoud). **Zinc Valerate**, gr. j thrice daily, is valuable to allay the nervous symptoms and the insomnia (Y). **Picrates** are specific in exophthalmic goitre (Hammond). **Sparteine** will control the pulse-rate and general symptoms (Clarke). **Splenic Extract** is worthy of trial though practical difficulties attend its administration (W). **Thyroid Serum** has given good results (Mœbius); cured one case and improved several others (Schultes). **Pancreatin**, in full doses successfully used (Liegeois). **Galvanism**, of the cervical sympathetic and pneumogastric, also of the eyes and thyroid gland, is decidedly curative in uncomplicated cases (B).

### Exostosis.

**Potassium Iodide**, may promote absorption when recent; also use friction with an ointment of **Mercury** or **Iodine** (D). **Aconite**, was used by Störck (P). **Mercury**, a moderate course of mercurials may be effectual, when exostoses are due to a blow or from syphilis (D). **Excision**, if required (MacCormac). Exostoses of the clavicles in children almost always disappear of themselves (D).

### Eye Diseases.

**Belladonna**, locally and internally in iritis, conjunctivitis and other inflammations **Atropine**, in iritis, locally; hypodermically in glaucoma (R); the best application generally in inflammatory conditions of the eye; the indiscriminate instillation of Atropine in persons over 35 or 40 years of age by general practitioners is to be condemned, being liable to light up an incipient or latent glaucoma. **Pilocarpus**, is used with great benefit in many eye-affections, particularly amblyopia from alcohol and tobacco, detachment of the retina, chronic iritis, keratitis, hemorrhage into the vitreous, glaucoma, muscæ, atrophic choroiditis, hemorrhages of the retina, white atrophy of the optic nerve, and inflammatory affections with effusion and exudation, to promote resolution and absorption (Wecker). **Strychnine**, hypodermically in muscular asthenopia, amblyopia, amaurosis, and in progressive nerve-atrophy not dependent on intracranial disease (R); increases the sensibility of the eye, the field of vision becoming extended, and the vision more acute (Br). **Ergot**, is useful in many eye affections, especially disturbances of accommodation, acute and chronic inflammations, and the blepharitis and pustular conjunctivitis of children (Wa): is a myotic. **Acetanilide**, is exceedingly effective in optic neuritis with pain, not only to remove the latter but also to arrest the inflammatory process (Dujardin-Beaumont). **Cocaine**, as a local anesthetic in ophthalmic surgery, a 4 per cent. solution, by instillation, sometimes injection required, as into the muscles for squint operation; is mydriatic, and in some cases panophthalmitis has resulted after operations under it (R). **Dionin**, in 4 to 7 per cent. solution locally, a most efficient analgesic without the bad effects of cocaine, for corneal ulcers and lacerations, trachoma, etc. **Sodium Salicylate** in large doses, the most important drug in all non-specific inflammations of the iris, ciliary body, sclera and episcleral tissue, whether rheumatic or not (Gifford). **Chloroform**, vapor, close to a photophobic eye, relieves (R). **Oleate of Mercury** and **Morphine**, outside the eye in palpebral conjunctivitis and stye; also in syphilitic iritis (R). **Silver Nitrate**, **Copper** and **Zinc Salts**, are much used in weak solutions for conjunctivitis, etc. **Euphrasia**, had an extended reputation in Germany, is a mild astringent, and of service in catarrhal conjunctivitis (P). **Pulsatilla**, as lotion in conjunctivitis (P). **Santonin**, gives good results in inflammatory and atrophic conditions of the retina and optic nerve, and in the stage of effusion of many other inflammations (Wa). **Ruta**, minim doses, night and morning, in dimness of vision depending on functional amaurotic condition, produces good