

<p>R. Atropinæ Sulph.,..... gr. ss.          Strychninæ Sulph.,..... gr. j.          Phenolis, ..... ℥iij.          Aquæ Destillatæ,..... ℥ij.          Solv. Sig.—℥xv hypodermically every          2 hours for 3 doses. (Potter.)</p>	<p>R. Sodii Bromidi,..... ℥j.          Ammonii Bromidi,..... ℥ss.          Aquæ Menthæ Pip.,..... ℥v.          M. Sig.—A tablespoonful before meals          and at bedtime, for 3 days before sailing.          (Bedard.)</p>
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### Seborrhea.

**Glycerin**, especially useful; with Lead Acetate, Borax or Zinc, diminishing secretion; also acts efficiently when there is a want of sebaceous secretion (W). **Zinc Oxide**, ℥j, Lead Carbonate ℥j, Cetaceum ℥j, Olive Oil to make an ointment (B). **Arsenic** is useful in seborrhea of neurotic origin (Duhring); the Oleate is of benefit (Wa). **Resorcinol** in solution locally, is very successful (W). **Mercury**, an ointment of the White Precipitate is serviceable on the scalp, with an occasional shampoo with tar soap in solution, followed later by mildly stimulating lotions (Bulkley). [Compare ACNE, PITIRIASIS.]

### Septicemia and Pyemia.

**Antipyrine** in doses of gr. vij to a daily maximum of ℥ss-j, has given satisfaction in puerperal septicemia (Curschmann); antipyretics are dangerous and should not be used (Davis). **Collargol** by inunction and intravenous injection, is highly efficient (Credé); a powerful agent in general sepsis (Manges); rapidly improved and finally cured a case of pyemia with many complications (Netter). **Quinine** in large doses (B); acts as an antipyretic (R); to cinchonism the best remedy in childhood (Wa); is probably the most useful remedy in full and frequently repeated dosage (Haward); is recommended as a germicide (Binz); has no such influence (W). **Formaldehyde**, 500 Cc. of a 1 to 5,000 solution by intravenous injection in puerperal septicemia (Barrows); proved futile in two cases (Bauer); a temporary check only (Shrady). **Salicin**, to reduce the temperature in septicemia and to relieve the cerebral symptoms (R). **Salicylic Acid**, has decided value (B). **Potassium Permanganate**, is given with advantage, gr. ¼-gr. j thrice daily in distilled water (B). **Boracic Acid**, a saturated solution to wounds, ulcers, etc.; also Chlorine as disinfectant (B). **Oleum Caryophylli**, locally, or oleum gaultheriæ, oleum thymi (B); as antiseptics. **Sulphites**, may do some good in chronic cases, but the use of Sulphurous Acid has not given the results in man which Polli obtained from its use on animals (Haward). **Streptococcus Antitoxin**, has been used successfully in 14 severe cases of puerperal septicemia with only two deaths (Williams); also in acute hemorrhagic septicemia (Ballance). **Hypodermoclysis** aids elimination of the toxins (Kemp); injection of a quart of normal salt solution into the subcutaneous cellular tissue, has given excellent results in acute septicemia (Lanphear); hypodermic injection fully as effectual as intravenous, used in 12 cases of which 10 recovered (Duret). **Water**, hot water as dressing for wounds, to avert pyemia, Hamilton's immersion plan (B); stumps to be immersed in warm bath (R); every wound, however slight, should be immersed in Bichloride solution, 1 to 10,000, as prophylactic, then dried with a sterile cloth and coated with collodion (Wyeth). **Aliment**, plentiful, with wine and good ventilation, are not to be neglected (Wa); concentrated food, milk and alcohol (Currier). **Stimulants** are necessary, brandy the best (Wa); alcohol should be given boldly in pyemia (W); Turpentine is a better stimulant than alcohol (B). **Abscesses** must be opened early, especially when in joints, to prevent pyemia.

### Shock.

**Atropine** in sudden collapse, marked by subnormal temperature, loss of arterial tension, and free sweating, is of great value (W). **Adrenalin** in minute doses frequently, may restore and maintain a normal arterial pressure, even when the vaso-motor centre is incapable of radiating impulses (Crile); in 1 to 10,000 dilution intravenously, is the most powerful stimulant known of the cardiac and vaso-motor apparatus (Martin)

**Codeine**, in large dose, gr. j, hypodermically, immediately after laparotomy, quiets pain, prevents intestinal contraction, and relaxes the tonic spasm of the vessels which forms the first stage of shock, shown by the small and rapid pulse, before the second stage, that of paresis of the vaso-motor system, sets in, as shown by the soft, compressible pulse; Morphine is the ideal relaxer of spasm, but has many objectionable qualities which Codeine is free from (Boise). **Amyl Nitrite** also Nitroglycerin, relax arterial spasm, indicated in the first stage of shock. **Strychnine** hypodermically, is the best medicinal agent in the second or paretic stage of shock, when the vessels are relaxed and the pulse is soft and compressible; a full dose, gr. ⅓, is necessary, and may be repeated in ½ hour (W); therapeutic doses are useless and effective ones are harmful (Crile). **Caffeine** hypodermically, when prompt action is required (W). **Digitalin** gr. j hypodermically, or 20 to 30 minims of the tincture of Digitalis may be injected, as a cardiac stimulant (W). **Alcohol**, as Brandy or Whiskey, hypodermically or by enema, is commonly used; is harmful, being a vaso-motor paralyzer, encourages hemorrhage, increases restlessness and in large doses weakens the heart;—Strychnine is far better (Estes). **Ether** as a stimulant is open to the same objections as alcohol (Id). **Heat**, is a potent preventive of shock; the room should be warmed to at least 72° F., exposed limbs should be wrapped in cotton batting, and hot water bottles wrapped in towels should surround the patient's body both during and after operation. **Hot Water**, as clyster, a pint injected into colon, and repeated as required, after laparotomy, in which operation the handling of the intestines sets up irritation of the sympathetic system, and is a potent cause of shock; this acts as a sedative thereto, and restores fluid to the blood, allaying thirst and supporting patient. **Normal Salt Solution**, consisting of ⅔ of one per cent. of Sodium Chloride in sterilized water, intravenously or subcutaneously to raise the volume of the pulse, stimulate the heart and restore volume to the blood, renders good service in the second stage of shock. Saline intravenous injections are inferior to saline rectal injections, the effects of the former being evanescent, but the latter are frequently used with most satisfactory results (Estes). [Compare ANESTHESIA, COLLAPSE, SYNCOPÉ.]

### Sick-room.

Every home of any pretensions should contain a room especially arranged and kept ready for the use of sick members of the family. Such a room should be on the upper floor, and preferably in the south-east corner, so as to have the best sunny exposure; or still better, should be itself the upper floor of a two-story annex, separate from the main building, but joined thereto by a light, latticed bridge. It should have no upholstered furniture, a bare but painted floor, and rough-plastered and painted walls and ceiling, without pictures or paper, curtains or hangings. It should contain no sink, wash-basin, water-closet or any other convenience which connects with the sewers, but should communicate with the kitchen by a dumb-waiter, or have connected with it a smaller room, furnished with a gas-stove and the other requirements of a diet-kitchen. It should contain everything requisite for nursing a case of typhoid fever, scarlatina, diphtheria, measles or small-pox; and all its arrangements should be supervised by the family physician. The possession of such an adjunct to the home would enable the owner to defy the mandate of a Health Officer, in regard to removing an inmate thereof to a public pest-house, as it could be shown to the satisfaction of any reasonable court, that a case of infectious disease could be better isolated and more humanely treated in such a room than in any "pest-hospital" yet erected by our political administrators of health laws (Potter).

### Sneezing.

**Arsenic**, a drop of Liquor Arsenicalis three times a day in paroxysmal sneezing, allied to asthma (R). **Potassium Iodide**, gr. x, several times a day (R). **Iodine** inhalations, in paroxysmal sneezing with itching of nose (R). **Camphor**, in incessant sneezing, with profuse running from eyes and nose; the powder should be snuffed, or the alcoholic solution inhaled (R). **Chloroform** ℥j in Spirit of Camphor to ℥j, of

which a few drops inhaled from a handkerchief, is efficient. **Cocaine** in 3 per cent. solution applied to the nasal mucosa in severe cases; but should never be intrusted to the patient. [Compare CATARRH, HAY-FEVER, INFLUENZA.]

### Somnambulism.

**Potassium Bromide**, will give decided relief in the somnambulism of children allied to epilepsy, often with squinting, which may become permanent, generally the result of deranged digestion; the nightmare of adults will usually yield to the same drug (R). **Hypnotics** to cause quiet sleep, but any one hypnotic should not be continued long. **Treatment** is usually limited to regulating indiscretions in diet and correcting gastric disturbance, also securing the best hygienic surroundings to promote undisturbed sleep. [Compare NIGHTMARE.]

### Spasmodic Affections.

**Aconite**, externally and internally, for spasms not of severe type (P). **Aconitine**, as ointment in the most severe, as well as in the milder local spasmodic affections; in angina pectoris, spasmodic asthma, cough (P); in spasmodic laryngitis has good effect (R). **Camphor** is said to relieve in many forms, as strangury (R). **Hyoscine**, is used with advantage in various spasms (Erb). **Belladonna**, of value for spasms of sphincter muscles, especially those of pelvic organs (P); Atropine hypodermically in local spasm (R). **Strychnine**, of great value in spasmodic asthma (P); also in tetanus, chorea, and epilepsy (Pf, S). **Veratrine**, as solution, brushed over lids once a day in painful spasmodic contraction of the orbicularis (Wa). **Opium**, very useful as an antispasmodic, especially if given with a stimulant, as Alcohol, Ether, or Chloroform (R); is especially useful in painful spasm (W). **Apomorphine** has proved efficient in a severe case of spasmodic contractions with opisthotonos but no inflammatory or organic lesion (Shannon). **Hydrated Chloral** in tetanus, convulsions, strychnine-poisoning, chorea, cramps, and other spasmodic affections, is an efficient palliative (W). **Sulphonal** is effective for the spasm of fractures (Andrews); has been used with asserted good success in epilepsy, hiccough, chorea, and nocturnal cramps (W). **Ipecacuanha**, in spasms of respiratory organs, of great value (P). **Chamomile Oil**, in spasms of hysterical persons, in 4 to 6 minim doses a very excellent remedy; also useful in pseudo angina pectoris (P). **Lobelia**, a valuable antispasmodic in cautious hands (P). **Lupulin**, in gouty spasms (P). **Tobacco**, in spasmodic asthma, and for relaxation of muscular spasms (P). **Sumbul**, is of use in gastric spasms (P). **Cardamom**, is usefully employed in gastric spasms (P). **Ammonia**, useful in children's colic (R). **Chloroform**, inhaled for intestinal spasm (P). **Phenolsulphonates**, in flatulent spasm of women, usually a neuralgia of the abdominal nerves, the pain being excited by flatulence; act by preventing the formation of wind,—sometimes Phosphorus better (R). **Mustard Poultice**, an excellent counter-irritant in spasmodic affections (P). [Compare ANGINA PECTORIS, ASTHMA, CHOLERA, CHOREA, COLIC, CONVULSIONS, COUGH, CROUP, DYSURIA, EPILEPSY, GASTRODYNIA, HICCOUGH, HYDROPHOBIA, Hysteria, LARYNGISMUS, PERTUSSIS, POISONING BY STRYCHNINE, STAMMERING, TETANUS, TORTICOLLIS, TRISMUS.]

### Spermatorrhea.

**Potassium Bromide**, when due to plethora, erections normal, but persistent and teasing; is harmful in debilitated states, or daily losses (B); combined with cold sponging and the use of a hard bed (R). **Digitalis**, ʒj or ij of the infusion twice or thrice daily; few remedies are more successful in arresting spermatorrhea (R, P); when feeble erections, frequent emissions, cold hands and feet (B); is a true temporary anaphrodisiac (Gaunot). **Camphor Bromide** has an especial reputation, but is taken with difficulty being apt to irritate the stomach (W). **Cantharis**, deficient tone of seminal vesicles, erections feeble, sexual feeling torpid; the tincture, gtt. ij-ij ter die (R); with Iron internally in emissions (R). **Phosphorus**, for the induced physical

and mental debility; also, Hypophosphites of Lime and Soda (R). **Gelsemium**, as anaphrodisiac, may be combined with Belladonna or Cimicifuga (B). **Nux Vomica**, for relaxation and atony (B). **Strychnine**, in large doses, especially when impotence (R). **Quinine**, has been recommended (R). **Belladonna**, gr. ¼ of extract with gr. jss of Zinc Sulphate, three or four times a day, often successful in nocturnal emissions (R). **Atropine**, relaxed genitalia, no dream or orgasm (B). **Hyoscine** is useful in all cases of sexual excitement, through its influence on the spinal centres, and is the most certain remedy in ordinary cases of over-frequent seminal emissions (W). **Lupulin**, is a good anaphrodisiac; with Camphor, when a genital sedative is required (B). **Iron**, the Iodide, is useful in anemic cases (B). **Ergot**, beneficial in relaxed state (B). **Hydrastis**, is a useful injection, gtt. x of the fluidextract through a urethral tube to the prostatic portion of the urethra (B). **Cimicifuga**, useful in weak, relaxed conditions (B); when hypochondriasis exists it is beneficial (P). **Sulphonal** has been commended as a sexual sedative (W). **Silver Nitrate**, a vesicating solution applied to perineum, generally useful and without danger (B); in solution, gr. xxx to the ʒ, applied by urethral syringe to the prostatic portion of the urethra, is Lallemand's treatment, and still finds favor with many surgeons (Whitla). **Arsenic**, when from weak and relaxed seminal vesicles. **Kind Advice**, frequently the best treatment, as this affection is often due to the phantasms of a morbid imagination. **Bladder**, should be emptied after the first sleep. [Compare EMISSIONS, HYPOCHONDRIASIS, IMPOTENCE.]

℞. Tinct. Cantharidis,..... ʒij.  
Tinct. Ferri Chloridi,..... ʒvj.  
M. Sig.—20 drops in water thrice daily.  
In impotence with spermatorrhea, of great utility. (H. C. Wood.)

℞. Lupulini,..... gr. x.  
Camphoræ,..... gr. v.  
Ext. Belladonnæ Fol.,..... gr. ij.  
M. ft. pil. no. xij. Sig.—One pill thrice daily. (B.)

### Spina Bifida.

**Iodine**, injected into the sac, ʒss of tincture, or gr. ss, with Potassium Iodide gr. v, aquæ ʒj, has cured numerous cases (B); Iodi gr. ʒ, Pot. Iod. gr. ½ ad aquæ ʒj (Wa). **Collodion**, as a means of compression (B). **Bayer's Operation**, treats the tumor as if it were a hernia; he dissects out two lateral flaps from the skin covering it and removes the sac, leaving only two lateral flaps of the dura, which he sews together, afterwards bringing the skin and muscles together separately.

### Spinal Concussion.

**Lead-water** and **Opium**, as lotion over the seat of injury (A). **Leeches**, if pain persistent (A). During the early stage the treatment of shock must be instituted, stimulants and restoratives being freely administered; traumatic neurosis may be treated with electricity, massage, hydropathy and the rest-cure; inflammatory symptoms require the treatment for acute or chronic myelitis (Lyman). [Compare MYELITIS.]

### Spinal Congestion.

**Ergot**, gives excellent results (Brown-Séguard). **Turpentine**, as hot epithems, useful (Wa). **Antiphlogistic** measures, with rest and absolute diet; wet cups or leeches to the spinal region; cold affusion or ice-bags to the spine while the patient is in a hot half-bath (Ros); the prone position is often found beneficial. [Compare MENINGITIS, MYELITIS.]

### Spinal Irritation.

**Aconite**, as ointment locally (R). **Belladonna** preparations, locally, generally are better than Aconite (B). **Ignatia**, in small doses diminishes irritability of cerebro-spinal axis (Pf). **Strychnine**, persistently, will ameliorate wandering neuralgic pains due to irritability of nervous system (B). **Ergot**, large doses for congestion (Hammond).

**Conium**, in functional derangement of the cord, with excessive irritability of the reflex function (Wa). **Firing**, sometimes very beneficial (B). **Electricity**, the inverse galvanic current gives much relief (Hammond). **Blisters**, with hot-water bag to spine, large doses of Strychnine, Phosphorus, Phosphoric Acid and Opium, are the methods based upon the anemic theory of the disease; out of 156 cases so treated 133 were thoroughly cured (Hammond). [Compare MENINGITIS, MYELITIS, NEURITIS, NEURASTHENIA.]

#### Spinal Paralysis and Softening.

**Ergot**, to starve the inflammation by occluding the spinal arteries (Hammond). **Electricity**, best; galvanic current from spine to nerves and muscles (Ros). **Mercury** and **Potassium Iodide**, a thorough course, in spastic paraplegia when syphilis is suspected (O). **Phosphorus** is often serviceable in myelitic paraplegia from excessive venery (W). **Silver Nitrate** is employed in chronic inflammation of the cord affecting the anterior columns, and giving rise to paraplegia, but is of doubtful value (W). **Massage** with forcible flexion and extension and proper apparatus, to overcome rigidity and contracture in infantile spastic paraplegia, have often enabled a patient to get around comfortably (O). **Baths**, warm, of every description, are useful in spastic spinal paralysis (Lyman). **Suspension**, has been tried with some degree of success (Id). In softening the treatment must be palliative and supporting only (H). [Compare LOCOMOTOR ATAXIA, MYELITIS, PARALYSIS.]

#### Spinal Sclerosis.

**Mercury** with Potassium Iodide, when syphilis is suspected as the causative factor. **Strychnine Nitrate** in amyotrophic lateral sclerosis, injected into the wasting muscles in rapidly increasing doses (Gowers); should be avoided in primary lateral sclerosis (Taylor). **Silver Nitrate** is the only remedy of value in idiopathic anterior and posterior sclerosis, but often fails. **Arsenic** as Fowler's solution by the mouth, is useful in various spinal scleroses and in disseminated sclerosis. **Gold and Sodium Chloride** is used with alleged benefit in the various spinal and cerebral scleroses (W). **Cod-liver Oil** and other general tonics, may be serviceable. **Massage** and passive movements of the wasting muscles, are said to be serviceable in lateral sclerosis. **Rest** prolonged, in bed, gives the best results in primary lateral sclerosis (Taylor). **Electricity**, a weak galvanic current is sometimes of benefit, but as a rule electricity is disappointing in central nervous diseases; should not be used in lateral sclerosis. [Compare LOCOMOTOR ATAXIA, PARALYSIS.]

#### Splenic Affections.

**Mercury Binioidide**, gr. j to ʒj of ointment, rubbed in before a hot fire, has given excellent results in chronic malarial enlargement of the spleen (Wa). **Quinine**, in simple malarial enlargement (B); gr. xv or xx or more daily, one of the most effectual remedies (Wa). **Ergot**, the most effectual remedy for enlarged spleen (Da C). **Potassium Bromide** in doses of gr. xx-xlv daily, removes malarial enlargement with marvelous quickness (Bernard). **Hemogallol** increased the red corpuscles and decreased the white, in a case of leukemic splenitis (Billig). **Ammonium Iodide**, effective in chronic splenitis, with Unguent. Hydrarg. Iod. Rubri externally; also small doses frequently repeated in all splenic derangements from malaria (B). **Iodine**, locally in chronic forms (B). **Cold Water** as douche to the abdomen for 2 or 3 minutes at a time, contracts the spleen and sensibly affects the enlarged spleen of malaria or typhoid fever (Mosler). [Compare Leucocythemia.]

#### Sprains.

**Arnica**, is very useful; the infusion internally and externally (P); the tincture diluted as lotion is effectual (Wa). **Aconite**, the liniment to painful sprains, often affords relief (Wa). **Turpentine**, as a liniment (P). **Ammonium Chloride**, in

solution, as lotion, or with bread as poultice, to remove discoloration due to sprains (W). **Rhus Toxicodendron**, the tincture ʒss to Oj of water is a good application. **Oil of Bay**, as a stimulating liniment (P). **Ichthyol** with glycerin, equal parts, or with alcohol and ether as a liniment, relieves the pain and reduces swelling (Schmitz). **Camphor** in liniments as a stimulating application, is much used (W). **Vinegar** is often very useful as a topical application (W). **Lead Subacetate**, the strong solution ʒj-iv to a pint of water, is a favorite application (W). **Cold Douche**, salt may be added; the force must be regulated by the condition of the tissues (R). **Heat**, by fomentations alternated with cold affusions (D). **Rest**, is the most essential measure and should be perfect; a roller bandage with splints may be required to secure the rest of the part. **Massage** is of great value after subsidence of the acute inflammation (W). **Strapping** the foot and ankle in sprain of the latter, by strips of strong rubber adhesive plaster open behind, involves no loss of time, requires no crutches, and is not attended with any impairment of function (Gibney). [Compare BRUISES.]

#### Sprue.

**Simaruba**, the *Ailanthus glandulosa*, in large doses of a stronger decoction than usually prepared, has given satisfaction in some cases of dysenteric origin (Mn). **Santonin**, the yellow form, gr. v in ʒj of olive oil, once or twice daily for a week, has given good results (Begg); tried without benefit (Mn). **Calcium Carbonate**, as powdered cuttle-fish bone or powdered crabs' eyes, two teaspoonsful at a time, after purgation by castor oil, also an aromatic tincture containing probably Simaruba and Opium; the method of a successful but irregular "sprue doctor" of Shanghai, who said that the object of his treatment was to remove the slime which coats the bowel (Mn). **Castor Oil**, as an aperient before commencing the milk-cure (Id). **Rhubarb**, the compound powder as an aperient occasionally, when relapses of diarrhea, sore mouth and flatulent dyspepsia (Id). **Silver Nitrate**, in solution by enema, for cases of dysenteric origin (Id). **Cocaine**, in solution, gr. v to the ʒ, brushed over the painful mouth before taking food, relieves suffering (Id). **Borax**, a weak solution as mouth-wash after taking milk (Id). **Fruit-cure**, has given good results in Java; the diet must consist entirely of such fruits as are pulpy and free from coarse seeds, fibres, and excessive acidity, except pineapple, which is interdicted (Van der Burg). **Milk-cure**, is by far the most successful treatment; at first not more than 60 ounces in the 24 hours, sipped through a glass tube in small quantities hourly; ½ pint may be added daily after a few days, until 100 ounces are reached, and after 10 days more this may be increased gradually to a daily maximum of 6 or 7 pints: for 6 weeks after the stools become solid, and the mouth free from irritation, no other food should be permitted (Mn). **Kumyss**, sometimes agrees for a time when milk fails to give satisfaction (Id). **Diet**, after the above-mentioned six weeks, may be varied by a raw egg added to the milk; later, some artificial malted food, arrowroot or other digestible starch; still later, fish or chicken (Mn). **Meat-juice**, obtained by squeezing a pound of good beef-steak, cleared of fat and underdone, every 2 hours for 7 or 8 days daily, in those cases where milk does not agree (Macleod). **Hygiene**, the patient must never feel cold, and hence must dress warmly. He should not return to the tropics (Mn). [Compare DYSENTERY.]

#### Stains.

**Silver Nitrate Stains** may be removed by washing with Potassium Cyanide ʒijss, Iodine, gr. xv, Water, ʒiij; or, after moistening the spots, drop on them a few drops of Tinct. Iodine, and wash out with a solution of Sodium Thiosulphate, ʒss to ʒj (B). **Potassium Permanganate Stains** are removed by washing with a saturated solution of Oxalic Acid, which should be washed off with warm sterilized water, as in Kelly's method of disinfecting the surgeon's hands. **Blood-stains** on dark-colored material are best seen by artificial light. After a few hours they become of a rusty, reddish-brown color, which they maintain for years. The microscope shows the characteristic corpuscles. These stains when on iron are difficult to distinguish from rust; the latter

is not soluble in water, while blood is extremely so. Heat applied to the metal will cause the blood to peel off, unless the stain has been exposed long enough to have rust mingled with the blood. A solution of blood in water, heated, forms a coagulum which is soluble in hot caustic potash, the solution thus formed is green by transmitted light, and red by reflected light. Menstrual blood cannot be distinguished from that resulting from a wound (Husband).

### Stammering.

**Vocal Training**, the rhythmical method, the most successful, the chief end in view being to regulate the precipitate, irregular form of respiration; but long continuance necessary, six months, a year, or more, in special institutions (Ros). The patient must be taught the use of language anew, treated with especial kindness, and never subjected to mockery or punishment. [See *Potter on Speech and its Defects*, Lea Prize Essay, Philadelphia, 1882.]

### Sterility.

**Aurum**, cures sterility when dependent on chronic metritis or amenorrhea, or coldness, more certainly than any other remedy; the Chloride, gr.  $\frac{1}{30}$  (B). **Potassium Iodide**, when due to syphilis (R). **Dilatation** of os and cervix carefully when sterility depending on obstruction, with dysmenorrhea (H). Sterility is frequently associated with uterine displacement (Meadows); less often with atresia. In persons of good health it may be caused by an acid discharge from the uterus, which kills the spermatozoa; for this Vichy water internally and per vaginam, also alkaline baths (Charrier). Is due to aspermatism of the husband in more cases than generally believed (Gross). Many cases are due to blocking of the cervical canal with a morbid discharge from the cervical glands, and such may be relieved simply by repeated cleansing of the canal with a cotton-wrapped probe or forceps.

### Stings and Bites.

**Ammonia** or other alkali in weak solution, locally for stings of insects to neutralize the formic acid (R); Ammonia internally as a nervine stimulant in snake-bites, more useful than brandy or any other stimulant;  $\text{xxx-xx}$  of Aqua Ammoniae in water or wine, every half hour or oftener; also externally or hypodermically, 1 in 2 of water into a vein (Wa). **Ammonium Carbonate**, gr. v hypodermically, is used for wounds by poisoned arrows. [See under WOUNDS.] **Salicylic Acid**, 1 to 19 of flexible collodion, locally for bites of insects; allays pain at once, and only in rare cases is the neighboring tissue swollen. **Mercury**, the Bichloride, 1 to 1000 of flexible collodion, is equally effective. **Potassium Permanganate**, in strong solution, 1 to 6 locally, is promptly efficient for all reptile-bites and insect-stings; if wound is small, make incision to enlarge it, and insert lint soaked in the solution; if a rattlesnake-bite, inject the solution hypodermically above the wound (Dupon); the crystals rubbed into an incision, after placing a ligature above, the most effective antidote for serpent-venom (Br). **Viola Cucullata**, the common violet, is used as an internal remedy in Pennsylvania for rattlesnake-bite, and is successful in a remarkable degree; the leaves are eaten, and a poultice of Indigo and salt is at the same time applied to the wound. **Arsenic**, 1 part to 5 of black pepper, is the Tanjore pill, highly esteemed in India for bites of venomous snakes (Wa). **Calcium Chloride**, a filtered solution injected into wound from snake-bite, successful in seventeen cases (Binz). **Silver Nitrate**, the sharpened stick applied to every sinusity of the wound; excision safer (Wa). **Sugar**, applied to stings of wasps, said to relieve almost instantly (Wa). **Ipecacuanha**, as poultice or paste, allays pain or irritation; is regarded by some as almost specific (Wa). **Ichthyol** pure, or as a 50 per cent. paste with lanolin or vaselin, locally over the part, is effective in relieving the pain, burning, itching and swelling due to insect stings or bites, and is greatly preferred to Ammonia (Ottinger). **Antivenene** is an effective antitoxin against the venom of several serpent species (Fraser). **Bile** of the biter serpent is an effective antidote to its poison (Id).

**Alcohol** freely in snake-bites, as a stimulant is most important; Ammonia is better (Wa). **Sting** if left in the wound should be removed; pressing with the barrel of a small key will expose it.

Used against fleas and insects are:—**Phenol** in weak solution sponged over the exposed parts of the body, to keep off mosquitoes (R). **Hedeoma**, the oil is very repulsive to insects, especially fleas and mosquitoes. **Erigeron** is popularly known as *fleabane*, its oil may be used against fleas. **Pyrethrum**, the powdered flowers of several species of this plant are known as *buhach*, and are used as insecticides. **Quassia**, a strong infusion is used as a wash in Java on mat-covered floors infested with fleas, which vanish as by magic under its influence (Neale). [Compare POISONING BY SERPENT-VENOM, WOUNDS.]

R̄. Ol. Picis Liquidæ, Ol. Oilvæ,  
Ol. Hedeomæ,.....āā ʒj.  
Spt. Camphoræ,  
Glycerini,.....āā ʒss.  
Phenolis,.....ʒij.

M. Sig.—Shake well. Lotion against mosquitoes, for fishermen and hunters.

R̄. Carbonis Vegetab.,.....lb j.  
Potassii Nitratis,.....ʒij.  
Phenolis,.....ʒjss.  
Persian Insect Powder,.....ʒviiij.  
Mucil. Tragacanth.,.....q. s.

To make fumigating pastilles for use against mosquitoes.

### Stomatitis.

**Potassium Chlorate**, locally and internally; large doses necessary, gr. x-xx; in ulcerative stomatitis of nursing women and aphthæ, of no value in mercurial form (R). **Hydrastis**, the fluidextract locally in mercurial and aphthous stomatitis (B). **Glycozone**, frequently applied, is of benefit in ulcerative stomatitis (Edson). **Hydrogen Dioxide** acts favorably (Godet). **Boric Acid** and **Borax** are of excellent service in aphthous ulceration and other inflammations of the mouth (W). **Phenol**, as a concentrated solution in glycerin carefully, as a mild caustic in aphthous stomatitis (Wa). **Alcohol**, Brandy-and-water an excellent lotion (B). **Mineral Acids**, pure Hydrochloric applied on pine wood to ulcers (B). **Eucalyptus**, a decoction of the leaves, locally (B). **Glycerite of Tannin**, in ulcerative stomatitis (R). **Copper Sulphate**, solution painted over edges of gums in ulcerative stomatitis; generally dry Alum better (R). **Alum**, in ulcerative form, applied dry with the finger several times a day, especially when disease affects one-half the jaw (R). **Salicylic Acid**, to ease the pain of catarrhal stomatitis; one part, dissolved in sufficient Alcohol, to 250 parts of water (R). [Compare APHTHÆ, CANCRUM ORIS, SPRUE.]

### Strabismus.

**Belladonna**, for the strabismus of encephalitis (P). **Atropine**, with strong convex glasses, to suspend accommodation for months, or years if necessary; may cure convergent strabismus in its earlier stages, in children of 3 years of age and younger (Green in C). **Operation**, required in most cases, especially when of congenital origin. **Glasses**, properly adjusted to sight, serve to strengthen the weak muscles in children, and to pull the axes right (Gould).

### Strophulus.

**Zinc Oxide**, dusted freely over the part. **Magnesia**, or some other mild alkali, with improved feeding and aperients, to which measures this affection generally yields in infants. **Nitric Acid**, the dilute acid ʒj to ʒviiij of Rose-water, as lotion applied frequently to the affected parts (Wa). **Lancing** the gums is proper (H). Strophulus in a form of miliaria occurring in infants, generally as a result of too much wrapping up. [Compare MILIARIA, LICHEN.]

### Suppuration.

**Sulphides**, small doses, gr. ss-j, frequently repeated, are very serviceable (B). **Calcium Sulphide**, when ichor secreted instead of pus; also arrests suppuration, or

if that is impossible will hasten maturation (R). **Quinine**, recommended in profuse suppuration (R); to sustain system when suppuration prolonged (B). **Phosphates**, the compound syrup is efficient to repair waste from suppuration (B). **Iron and Manganese Iodide**, the syrup in cachectic states resulting from suppuration (B). **Hydrogen Dioxide**, is a most energetic pus-destroyer; the solution may be applied in full strength, or diluted with an equal part of water. **Glycozone**, acts similarly but more slowly; after cleansing by Hydrogen Dioxide solution, the application of Glycozone stimulates healthy action and hastens the cure for which purpose it has no superior in the entire range of therapeutics (Edson). **Bismuth Subiodide**, dusted over a suppurating surface after cleansing, is highly efficient as an antiseptic and a stimulant of healthy granulation. **Acetanilide**, is effective for 2 or 3 days, but ultimately fails to prevent suppuration (Foote); the following combination, used as a dressing, absolutely inhibits suppuration where it can reach the wound surface, and checks and quickly abolishes suppuration if that be already present.—Acetanilide, powdered, 48; Boric Acid, powdered, 15; Starch, powdered and finely sifted, 35; Phenol, the liquid, 2. It should be changed twice daily as long as there is discharge to moisten it, when the wound becomes dry the dressing may be left on for days (Fallas). **Nuclein**, has been used successfully in suppurative disorders (Vaughn). [Compare ABSCESS, BOILS, CARBUNCLE, EMPYEMA, SEPTICEMIA.]

#### Surgical Fever.

**Aconite**, quickly and repeatedly administered in early stages, during chill or soon after, the safest treatment (P); is used with benefit in urethral fever, also to prevent chill after passage of sounds (Pf). **Strophanthus**, the tincture in doses of  $\text{m̄v}$ , efficiently prevents rigors after instrumentation on the urethra (Fenwick). **Quinine** or **Antipyrine**, may be used as antipyretics (Caird). **Salicylic Acid**, or Sodium Salicylate, especially useful as an antipyretic (B). **Chloral**, gr. xv-xxx every 2 hours; there is no better treatment (Wa). **Alcohol** for stimulation, also strong cardiac tonics, are desirable in wound-fever, which is a preventable affection being caused by septic absorption (Caird). **Hot-pack** when pyrexia with scanty urine after operation (Id). **Irrigation** with bichloride solution to moderate the inflammation, with free drainage and pure air (Id). [Compare INFLAMMATION, SEPTICEMIA, URETHRITIS, WOUNDS.]

#### Sycosis.

**Nitric Acid**,  $\text{ʒj}$  to  $\text{Oj}$  aquæ, as wash, used frequently (R). **Boracic Acid**,  $\text{ʒjss}$  finely powdered and incorporated with  $\text{ʒj}$  of Vaseline, is found most useful (Wa). **Salol**, as an antiseptic powder, has done good service. **Mercury**, Citrine Ointment has been extensively employed, also the Oleate of Mercury, both with good results (W); the Bichloride, gr. ij to the  $\text{ʒ}$  of water, as lotion after each epilation (R). **Sodium Sulphite** in solution with glycerin and water locally, when of parasitic origin (Wa). **Ichthyol** is a very useful application (Hodara); especially so when introduced by cataphoresis, a 10 per cent. solution at the cathode (Ehrmann). **Sulphurous Acid**, with an equal part of glycerin, an efficient application (Jenner). **Arsenic**, has powerful influence, used internally in doses of  $\text{m̄v}$  of Liquor Arsenicalis thrice daily (Wa); the Oleate of Arsenic is an efficient local application. **Sulphur Iodide**, as ointment,  $\text{ʒj}$  to  $\text{ʒjss}$ , is efficient, with Donovan's solution internally (Sir E. Wilson). **Copper Sulphate**, as lotion,  $\text{ʒj}$  to  $\text{ʒxvj}$  of water, with  $\text{ʒss}$  of Zinc Sulphate, and  $\text{ʒjss}$  of Aqua Laurocerasi (B). [Compare CONDYLOMATA, TINEA SYCOSIS.]

#### Syncope.

**Nux Vomica**, in drop doses of the tincture every 5 minutes, to restore the cardiac action in extreme cases of syncope approaching heart-failure, especially when of neurotic origin; is promptly efficient (Macfarlan). **Cinnamon**, the Oil, as a powerful stimu-

lant, is sometimes employed (P). **Alcohol**, as brandy or wine, when heart suddenly enfeebled from fright, etc. (R). **Amyl Nitrite**, in some forms, especially in anemic subjects, its inhalation speedily restores consciousness (O'Neill). **Atropine**, gr.  $\frac{1}{100}$ — $\frac{1}{40}$  subcutaneously, the best means of resuscitation, there being no medicine which so promptly exalts the force and rapidity of the heart's action (Harley). **Duboisine**, may be used instead of Atropine. **Ammonia**, internally, or breathed into the air-passages (R); the Carbonate as smelling salts (Wa); efficient in sudden and functional failure of the heart's action (W). **Quinine Salicylate** rendered good service in cases of repeated syncope due to anemia (Sir J. Moore). **Lavandula**, the compound tincture is used with benefit (Wa). **Chloroform** internally as a cardiac stimulant in the syncope of hysterical subjects (R). **Digitalis** in large doses,  $\text{m̄xxx}$ — $\text{xxx}$  of the tincture hypodermically, or a grain of Digitalin, is a valuable cardiac stimulant in syncope (W). **Ether** by the mouth, as a powerful and rapid stimulant, is often indicated in sudden sinking-spells (W). **Position** should be leaning forward, with the head as low as possible (R); raising the head is a dangerous procedure. **Cold water** over the face (B); cold affusion always (R); is best made by dashing cold water from the hand on to the face and neck. **Galvanization** of the pneumogastric (B). **Artificial Respiration** by Sylvester's method, and rhythmical traction of the tongue, should always be employed in the first instance in syncope from chloroform (Boureau). **Compression of the Heart** has been done in 12 cases, but never with final success (Id); successfully performed in a laparotomy case by squeezing the heart through the diaphragm (Lane). [Compare COLLAPSE, HEART AFFECTIONS, SHOCK.]

#### Synovitis.

**Potassium Iodide**, with Iron and Quinine, in syphilitic patients with constitution broken down (D). **Iodine**, in chronic synovitis, painted around joint; the solution injected into white swelling (R). **Quinine**, and free stimulation in all cases of pyemic synovitis, such as occurs in acute rheumatism of gonorrhœal causation, occasionally in typhoid fever, and may result from a trifling injury in strumous subjects. **Mercury**, and **Morphine**, the Oleate locally (R); an elegant and efficient application (B); in syphilitic cases Mercury internally when acute symptoms have subsided (D). **Aconite**, for pains in inflamed joints (R). **Silver Nitrate**, locally to vesication almost, often very beneficial (Wa). **Phenol**, in a 2 per cent. solution injected into the joint once in 2 or 3 days, in chronic synovitis (W). **Picratol** as paste, is efficient to reduce swelling and relieve pain in synovitis of the knee (Yale). **Alcohol**, and water, equal parts, an excellent evaporating lotion (B). **Blisters**, a flying blister every night in chronic synovitis (R). **Cod-liver Oil**, in strumous cases (B). **Surgical Treatment**, splints to keep the limb motionless in all cases arising from injury; during acute stage splint should be fastened at some distance above and below the joint, not touching the joint itself; straight position, leeches to the joint, or cupping near it; ice, evaporating lotions or hot fomentations; blisters inapplicable until the acute stage subsides (D); if suppuration occurs the joint must be dealt with as any other abscess cavity (MacCormac). **Heat**, as fomentations or poultices in the acute form. The results of dry heat, applied by the Tallerman apparatus seem almost marvelous in traumatic synovitis, whether in base-ball men or other persons; its effects are more prompt and marked in small joints than in large ones (W). **Bandage**, or **Strapping**, to cause absorption of fluid; bandage with cold water after alternate bathing with hot and cold water, in chronic synovitis. [Compare COXALGIA, JOINT AFFECTIONS.]

#### Syphilis.

**Mercury** is believed to be a true vital antidote against the virus (R); used for at least two years will eradicate syphilis (Keyes); its internal administration is best because the most practicable, and the two most efficient preparations are the Bichloride and the Protiodide (Fournier); by intramuscular injection, a method which offers many advantages and has given the very best results (Lambkin); the Protiodide in pills

of gr.  $\frac{1}{2}$  each, one after each meal increased by one every third day, until teeth get sore or bowels disordered, then drop two pills from each dose (Keyes); the best remedy for primary and secondary forms, not in tertiary; small doses are best, stopping short of ptyalism (B); Blackwash, Calomel, or Citrine Oint. very useful in mucous sores, tubercles, and elevated indurations; in syphilitic ozena, psoriasis, rashes, condylomata; the Bichloride, gr. ij-v in  $\mathfrak{S}$ j of Alcohol, painted over syphilitic mouth lesions daily (Keyes); the Salicylate is the best salt for hypodermic use, gr. jss in  $\mathfrak{mxx}$  of sterilized liquid petrolatum injected deeply into the buttock (Fuller); Mercurials should not be given until the diagnosis is confirmed by the appearance of the secondary symptoms (Clark). **Potassium Iodide** is of inestimable value in tertiary syphilis and is useful whenever the dyscrasia has existed for any length of time (W); is approached by no remedy in constitutional syphilis; also for mercurial cachexia, syphiloma of nervous system, and many disorders of syphilitic origin; will certainly arrest ulceration of nares, palate, etc., if given in large doses, gr. xx- $\mathfrak{S}$ j every 4 hours (R); is of little value in early stages; in the later should be combined with Mercury (St). **Rubidium Iodide**, is more pleasant than Potassium Iodide, having a milder taste, and is borne far better, especially by the stomach and in regard to the production of iodism and cardiac difficulties (Neisser). **Iodipin** is fully as efficient as potassium iodide (Sessous); proved curative in the most malignant cases, also in the relapsing and cerebral forms (Feibes). **Iodine**, as gargle for ptyalism; the tincture applied to syphilitic sores of the throat (R); or  $\mathfrak{S}$ ss of tincture to  $\mathfrak{S}$ iv Syr. Fuscii, a teaspoonful well diluted ter die, after meals, when Potassium Iodide can not be borne (St). **Iodoform**, powdered and dusted over ulcers (B). **Nitric Acid**, in secondary forms (R); holds high place as an internal remedy (Wa); when sponginess of gums excessive,  $\mathfrak{S}$ iv of the dilute acid, to  $\mathfrak{S}$ ij aquæ, teasp. 4 times daily; also use locally (St); as cautery for the initial lesion, the fuming acid, if used at all, should be applied early and thoroughly, followed by Blackwash locally on lint (Bulkley).

**Aurum**, after Mercury and the Iodides, in old cases of secondary and tertiary, ulceration of the throat, ozena, phthisis, syphilitic bone-diseases (B); its beneficial action incontestable (Tr); the Bromide of Gold and Arsenic has rendered good service in trifacial neuralgia diagnosed as due to syphilis (E. A. Wood); Gold is unquestionably useful in the later stages, its best effects being obtained with very small doses (Pf); the Bromide of Gold, Arsenic and Mercury (Mercauro) is highly praised in the late manifestations of syphilis, especially in those affecting the nervous system. **Stillingia**, with Nitric Acid in chronic cases of broken-down constitutions from abuse of Mercury and Iodides has been most satisfactory (B). **Cascara Amarga**, is said to have remarkable powers as an alterative in syphilis, but to be useless if alcohol and tobacco are used at the same time. **Sanguinaria**, in secondary and tertiary forms is held to be very useful (P). **Sarsaparilla**, a most important remedy, as adjunct to, and in abuse of Mercury (P); with Guaiac and Mezereon, as the Compound Decoction of Sarsaparilla, in tertiary form (B). [See Guaiac, below.] **Belladonna**, with Mercurial Ointment, for secondary ulcerations of rectum (P); the tincture  $\mathfrak{S}$ iv ad  $\mathfrak{S}$ ij aquæ, a teaspoonful 4 times a day in water, instead of mercurials (St). **Iron**, the Iodide in constitutional syphilis, to promote constructive metamorphosis (B); where anemia exists (R); the Potassio-Tartrate, gr. xv-xx, every 4 hours, especially in the gangrenous form (Otis). **Guaiacum**, in tertiary syphilis only, or as vehicle for Potassium Iodide and Mercuric Chloride (B). **Phenol** and **Salicylic Acid**, locally to syphilitic abscesses, Phenol is best (B). **Ichthalbin** in doses of gr. xv-xxx thrice daily, has been highly praised (W). **Sulphur**, the natural sulphur waters are of very great value in chronic syphilis (Doit). **Antitoxin**, the blood-serum of animals having a natural insusceptibility to the disease, has been used with good results. **Zinc Chloride**, also the Iodide and Nitrate, locally to syphilitic ulcers (R). **Calcium Phosphate** is useful in syphilitic gummata (Beneke). **Denutrition**, the Arabic "hunger-cure" efficient, but unpopular (B). **Turkish Baths**, or wet packing, ameliorate and aid the cure of constitutional syphilis (B). **Hygiene**, is of the greatest importance in syphilis (Bulkley). **Cod-liver Oil**, remarkably improves condition resulting from prolonged use of Mercury and Iodides, the syphilodermata, and squamæ; internally and by inunction (R). [Compare CHANCRE, CONDYLOMATA, PTYALISM, ULCERS.]

R. Hydrarg. Iodidi Rubri,..... gr. iij.  
Potassii Iodidi,.....  $\mathfrak{S}$ ij-vj.  
Tinct. Aurantii Cort.,  
Syrup. Aurantii Cort.,...  $\mathfrak{a}\mathfrak{a}$   $\mathfrak{S}$ j.  
Aquæ,..... q. s. ad  $\mathfrak{S}$ viiij.  
M. Sig.—A teasp. thrice daily after meals. (Otis, for the Mixed Treatment.)

R. Hydrargyri Chloridi Corros.  
Ammonii Chloridi,.....  $\mathfrak{a}\mathfrak{a}$  gr. iij.  
Tinct. Cinchonæ Comp.,  
Aquæ,.....  $\mathfrak{a}\mathfrak{a}$   $\mathfrak{S}$ ij.  
M. Sig.—A teasp. thrice daily. Each  $\mathfrak{S}$  contains gr.  $\frac{1}{8}$  of Corrosive Sublimate. (Bumstead.)

R. Hydrarg. Iodidi Rubri,..... gr. ij.  
Ammonii Carbonatis,..... gr. xx.  
Potassii Iodidi,.....  $\mathfrak{S}$ ij.  
Tinct. Gent. Co.,... q. s. ad  $\mathfrak{S}$ iv.  
M. Sig.—A teasp. in water after each meal. (Fox, for the Mixed Treatment.)

R. Potassii Iodidi,.....  $\mathfrak{S}$ ij.  
Ammonii Carb.,.....  $\mathfrak{S}$ ss.  
Tinct. Cinchonæ Comp.,...  $\mathfrak{S}$ iv.  
Glycerini,.....  $\mathfrak{S}$ j.  
Syr. Aurantii Cort.,.....  $\mathfrak{S}$ jss.  
M. Sig.—A teasp. in plenty of water after each meal. (Keyes.)

### Tabes Mesenterica.

**Calcium**, the Chloride and Phosphate (R); the former is a powerful remedy if kept up (Wa). [See under SCROFULOSIS.] **Iodine**, with Cod-liver Oil by inunction (El); locally over glands; carefully, lest inflammation be increased (R). **Potassium Iodide** in small repeated doses, valuable (Wa). **Mercury**, Corrosive Sublimate with bark; gr.  $\frac{1}{10}$  ad  $\mathfrak{S}$ ij Tinct. Cinchonæ, after meals, for chronic glandular disease (D). **Phosphates**, for malnutrition (B); the Hypophosphites act slowly but surely (Wa). **Iron** and **Iodine**, in various forms are the most useful remedies in scrofulosis, but medicine is powerless without strict hygienic measures (A); the Iodide or Phosphate of Iron and Cod-liver Oil, as for tubercle elsewhere (El). **Fel Bovinum**, is worthy of trial, though at best a palliative (Wa). **Cod-liver Oil**, is the best remedy to promote assimilation (B); of great service (R). **Chaulmoogra Oil**, is of benefit, used by inunction (Wa). **Aliment**, raw meat, cream, chocolate, and cocoa, are valuable nutriments in these cases (El); peptonized foods are of inestimable value (Wa). **Hygiene**, change of air, especially to sea-air, is all-important (El). [Compare SCROFULOSIS.]

### Taste, Disordered.

**Mercury** or **Podophyllin**, as purgative for cankerly taste unconnected with alcoholism; or half-glass of pure cold water daily half an hour before breakfast (R);  $\frac{1}{2}$  gr. of Gray Powder 3 or 4 times a day will generally remove the disagreeable taste in the mouth due to dyspepsia, in the course of chronic disease or in early convalescence from acute illness (R). **Electricity**, faradization as a stimulant of the nerves in the tongue, may aid the recovery of function when loss of taste is due to nerve disease (Gowers).

### Teeth.

**Potassium Iodide**, in doses of gr. x, thrice daily, often cures looseness of teeth from periostitis of alveolar processes (Wa). **Iodine**, the tincture painted over gums close to the teeth when the gums begin to recede; also to remove tartar (R). **Cinchona**, powdered bark often used in tooth-powders (R). **Collodion**, on cotton, as filling for carious teeth (P). **Liquor Sodæ Chlorinatæ**,  $\mathfrak{S}$ vj ad  $\mathfrak{S}$ xij aquæ, a highly useful application in fetid discharges from carious teeth (Wa). **Cotarnine**, the Hydrochloride locally will promptly stop a dental hemorrhage after extraction (Jahl); arrests the flow of blood promptly (Marcus). **Ichthyol** in 25 per cent. solution on cotton as a tampon, effectually checks hemorrhage after extraction (Floris). **Mastiche** is used as a temporary filling for carious teeth. **Alum** should not be used as a mouth-wash, as it acts destructively on the teeth (W). **Salicylates** are very efficient in certain teeth troubles occurring in gouty subjects, as periostitis or other inflammation of the pulp or surroundings of a tooth (Haig.) [Compare DENTITION, GUMS, ODONTALGIA.]