

Lithemia.

Salicylates powerfully promote the excretion of uric acid and may be used with the utmost confidence in all troubles due thereto (Haig); they aid in keeping down the diathesis (W); the Strontium salt is the most valuable, especially in chronic gouty conditions and in lithemia with intestinal indigestion (W). Piperazin is one of the best eliminants, and relieves the pruritus of the uric diathesis; has not maintained its original reputation (W). Lithium Salts, especially the Citrate, gr. xx thrice daily, is very efficient (Da C); the Carbonate invaluable (Wa); the Bromide, in solution of Potassium Citrate given after stomach digestion is completed, one of the very best agents (Aulde); Lithium clears the blood of uric acid but drives it into the tissues, and diminishes its excretion (Haig). Alkalies are useful, especially the Potassium salts; alkaline mineral waters have a deserved reputation (B). Sodium Phosphate is a good solvent of uric acid and promotes its excretion if given with alkalies or when there is a good supply of alkalies in the blood and tissues (Haig). Urotropin energetically eliminates uric acid (Bardet). Citarin liberates formaldehyde in the blood and is indicated in all forms of the uric diathesis (Ardo). Lysidin is more solvent than piperazin on uric acid. Cascara Sagrada promotes the excretion of uric acid. Chimaphila is believed to check the secretion of uric acid (P). Colchicum, the wine in doses of xxxv twice or thrice daily is very useful (Wa); the combination of Colchicine with Oil of Gaultheria in capsules is said to be a useful remedy Thialion is a proprietary preparation much advertised for lithemic conditions. Coffee, a tincture of green coffee is anti-lithic, and is useful in lithemia and gout, though the beverage of the roasted bean is injurious. Potassium Permanganate converts uric acid into urea and thus prevents the formation of uric calculi (B). Buchu with an alkali, has proved beneficial (P). Pichi is of great value in lithemia with cystitis (Wyman). Arsenic, in small doses, is useful (Da C). Nitric Acid, 10 minim doses of the dilute acid in half-glass of water thrice daily, with an occasional dose of Pil. Rhei Compos. at bedtime, is the most efficient treatment for patients who will not diet themselves (Hughes). Purgatives, especially alkaline mineral waters, to clear the portal system (Da C). Drugs increasing the excretion of uric acid are Alkalies, Salicylic Acid and its compounds, Sodium Phosphate Piperazin, Quinine, and Belladonna (Haig). Exercise is very important, sedentary habits are injurious; alcohol in any form is poison to a lithemic (Da C). Diet, bread-stuffs and cereal foods form the best diet (Haig); occasionally abstain from animal food, also from tea, coffee, meat soups, sugar in excess; drink water freely. [Compare CALCULI, DYSPEPSIA, GOUT.]

R. Lithii Bromidi,..... ʒss-j .
Liq. Potassii Citrat.,..... ʒiv .
Syrupi Simplicis,..... ʒij .
M. Sig.—A teasp. in a wineglassful or more of water, 2 hours after each meal. Reduce the dose after a week.

R. Potassii Nitratis,..... ʒj .
Fluidextr. Pichi,..... ʒj .
Elixir Simpl.,..... ʒiij .
M. Sig.—A teasp. every 2 hours.

R. Tinct. Belladonnæ Fol..... ʒ xviii .
Vini Colchici Rad.,..... ʒij .
Liq. Potass. Citrat., q. s. ad ʒiv .
M. Sig.—A dessertsp. well diluted, every 3 hours.

R. Vini Colchici Rad.,..... ʒij .
Fluidextr. Phytolaccæ,..... ʒj .
Potassii Acetatis,..... ʒiij .
Aquæ,..... q. s. ad ʒvj .
M. Sig.—A tablesp. four times daily.

Locomotor Ataxia.

Antipyrine or Acetphenetidin for lancinating pains; the former relieves them remarkably; the use of Morphine for the pains should be avoided as long as possible (Osler). Acetanilide, is admirable for relief of the pains (B). Belladonna and Ergot are highly efficient (Brown-Séguard). Silver Nitrate, when motor disturbances are very marked; improved 1 case in 20 (R); gives the best results in doses of gr. $\frac{1}{4}$ to gr. $\frac{1}{2}$ thrice daily, withholding it after a few weeks to prevent argyria (Da C); the only remedy which has done good in progressive locomotor ataxia; gr. $\frac{1}{10}$ — $\frac{1}{2}$ two or three

times daily, with Sodium Hypophosphite, both to be discontinued when blue line appears on gums (Althaus). Silver Oxide, may be used instead of the nitrate, in half-grain doses (Da C). Aurum, is especially curative in all forms of sclerosis; the Bromide of Gold and Arsenic has been of special service in this form (E. A. Wood). Potassium Iodide, Corrosive Sublimite, or Gold and Sodium Chloride, all in full doses, often retard the progress of the disease (Da C). Iodipin has given good results (Schuster). Mercury, the Benzoate in daily doses of gr. $\frac{1}{2}$ — $\frac{1}{4}$ hypodermically, diminished the ataxia in six cases, and otherwise caused a slight improvement (Lemoine). Hyoscine is serviceable in the crises (Winnett). Hyoscyamine in gradually increased doses ameliorates the symptoms (B). Physostigma has proved beneficial (R). Sodium Cinchonate hypodermically, used in several cases with good results (B). Pilocarpine, produces general improvement if given in the incipiency, gr. j to ʒj of water, of which xxxv thrice daily (B). Strychnine, gr. $\frac{1}{10}$ in ʒj of Syr. Hypophosphitum, thrice daily, when the system is saturated with silver (Da C). Morphine, sooner or later becomes necessary for the lancinating pains; in one case, personally known to the author, which had been treated ineffectually by every known method, including suspension by Charcot himself, and was rapidly progressive, the abandonment of the hypodermic syringe for Morphine by mouth, gr. xv daily in divided doses, seemed to result in complete cessation of progress, the disease remaining stationary for several years. Orchitic Extract has seemed to be of service in some cases. Spermine has been used with reported benefit. Cerebrin has been employed with satisfaction (Paul). Suspension daily, by head, has seemed to give relief to pain and improve condition: is known as Charcot's treatment, but originated with Matchoukowsky of Odessa, and was carried out systematically by Hensing of Pesth, before Charcot took it up: is now abandoned. Electricity, the galvanic current relieves pain; faradic stops wasting of muscles (B); in the stage of irritation the constant current (ascending) through spinal column (R). Water, one of the most efficient agents; friction with a cloth dipped in water of 60–65° F., a cold compress to head; 4–8 minute bath of 70–75° gradually lowered to 60°, then shower-bath and frictions (R). Rest, as complete as possible, must be insisted on; with good, nutritious diet, milk being very desirable (Da C).

Lumbago.

Cimicifuga, is said to be more effectual than any other remedy (R); has sometimes wonderful success; no indications can be given for it; ʒss-ij of fluidextract (B); is curative (P). Rhus Toxicodendron, in subacute muscular or tendinous rheumatism, worse at night; completely relieves some cases (Pf). Veratrum Viride, the tincture useful (R). Aconite, in minim-doses of tincture every 2 hours, with Linim. Aconiti locally (Wa). Iodides, if referable to syphilis, mercury, copper, tin, or lead poisoning (B). Salicylates in cases due to uric acid; are of value in subacute or muscular rheumatism (W). Saloquinine is efficient, a few doses relieve (Coile). Mesotan, ʒj or more in a plaster is very effective. Ichthyol in 10 to 50 per cent. solution externally, is superior to any other remedy (Schweninger); frequently gives prompt and surprising results (Eulenberg). Ammonium Chloride, is very efficient in myalgic lumbago, gr. xx thrice daily for 2 days or until signs of congestion of the nasal mucous membrane appear, then to be replaced by Quinine, gr. v, thrice daily for a week (Vaugh). Antipyrine, gr. vij, hypodermically, completely banished it in a very bad case at the Hôtel Dieu, Paris. Morphine, hypodermically, to relieve pain (R); gr. $\frac{1}{4}$ with Atropine gr. $\frac{1}{10}$, hypodermically, will frequently cure lumbago in two or three hours (Da C). Capsicum, a strong infusion applied on lint, and covered with oiled silk, very efficient in recent lumbago (R); a Capsicum plaster is a very efficient application. Potassium Nitrate, in ten-grain doses hourly or every two hours, when urine scanty and high-colored (R). Belladonna, as plaster, very valuable for persistent lumbago remaining in a small spot (R). Turpentine, in doses of 20 to 30 minims, carefully lest strangury and nephritis, is of value when the bowels are regular and the urine is clear and abundant (Wa). Formic Acid gtt. v of a 2 per cent. solution hypodermically, preceded by gtt. viij of a 1 per cent. solution of cocaine, injected in several places, gives immediate relief and is promptly curative (Couch). Ether Spray, externally as freezing mixture (R). Guar-

ana, in 20 to 40 grain doses, removed severe chronic lumbago (Rawson). **Chloroform Liniment**, affords relief (Wa). **Canada Balsam**, gr. v-xx, is useful, or **Burgundy Pitch**, as plaster (P). **Acupuncture**, occasionally gives instant relief (B); not when high fever (R). **Aquapuncture**, has been employed with extraordinary success (B). **Heat**, by hot douche to seat of pain (B); or by very hot poultices for three hours, then the skin covered with flannel and oiled silk; or a hot flat-iron (R). **Galvanism**, the constant current (B); is highly useful; faradization almost as successful as acupuncture (R). **Phototherapy**, the ultra-violet rays are specific for relief of pain (Rosenberg). **Cupping**, dry cups often give relief and are a valuable adjunct to internal treatment. **Strapping** from the thigh upward with overlapping strips of adhesive plaster, is of great value, especially when it is necessary for the patient to be up and about. **Diet** depends on the underlying condition, and should usually be antilithemic. **Rest** in bed is important in severe cases. **Massage** is often employed with benefit. [Compare LITHEMIA, MYALGIA, RHEUMATISM.]

R. Collodii,
Tinct. Iodi,
Spt. Ammonia, āā part. æq.
Sig.—Paint over the part with a camel's-
hair brush. (Burggræve.)

R. Ammonii Chloridi, ʒj.
Fluidextr. Cimicifugæ,
Syr. Simplicis, āā ʒj.
Aq. Laurocerasi, ... q. s. ad ʒvj.
M. Sig.—A dessertsp. every four hours.

Lung Diseases.

Aconite, is indicated in most acute congestions (P); is especially indicated for inflammatory states of the respiratory organs (R); **Belladonna**, in doses of ʒj of the tincture frequently, is of great benefit in pulmonary edema, to retard exudation of serum and to counteract failure of the heart (Smith). **Terebene**, is very valuable in many morbid conditions of the lungs. **Terpin Hydrate** is equally efficient and more easily administered. **Thiocol** was given with excellent results in pulmonary abscess following pneumonia (Braun). **Ergot** is useful in pulmonary congestions (W). **Ammonium Acetate**, serviceable not only in bronchitis, but in the whole range of acute pulmonary complaints occurring in children (Dessau). [See under BRONCHITIS, for formulæ.] **Veratrum Viride** renders important service in acute parenchymatous congestions (B); gr. ʒ of resin in pill when temperature and pulse are high; it tends to induce prostration and collapse (A). **Blisters**, flying blisters to chest, and perhaps along the pneumogastric in hypostatic congestion (R). **Copaiba**, exercises a powerful influence over the pulmonary mucous membrane, and is beneficial in lung diseases generally, when attended with excessive secretion (Wa). **Pilocarpus** is serviceable for the attacks of breathlessness attendant on lung affections, but must be watched lest collapse ensue (Berkart). **Liq. Potas. Hydrox.**, doses of ʒx-xv added to an ordinary expectorant mixture, is often attended with good results in congestions of bronchi and lungs, chronic bronchitis, plastic bronchitis (Walshe). **Cimicifuga**, is a useful sedative in many irritative affections of the lungs and bronchial tubes, relieving cough, improving appetite, and ameliorating the general condition (Wood). **Croton Oil**, as liniment, is a highly useful counter-irritant in many chronic lung diseases, and even in the bronchitis of infancy (Park). **Cubeb**, in small and oft-repeated doses, is efficient in chronic bronchitis and other lung affections of old persons, checking the excessive secretion and gently stimulating the system (Wa). [Compare BRONCHITIS, EMPHYSEMA, HEMOPTYSIS, PHTHISIS, PLEURITIS, PLEURODYNIA, PNEUMONIA.]

Lungs, Gangrene of.

Creosote, by inhalation, to obviate the fetor (R). **Phenol**, in spray as inhalations, used with marked benefit (Wa). **Mineral Acids**, especially Nitro-hydrochloric, with **Quinine**, the main reliances in chronic pulmonary gangrene (A). **Stimulants**, as malt liquors, with general tonic treatment, are necessary (A). **Ammonium Carbonate**, one of the most reliable remedies; is best given in decoction of Cinchona (Wa).

Myrtol in doses of ʒj-ij several times daily, is an efficient disinfectant and alterative. **Eucalyptus**, the Oil with Alcohol, equal parts of each, of which ʒj as inhalation by steam atomization, is useful (Wa). **Turpentine**, the spirit on boiling water inhaled for fifteen minutes every two hours, successfully employed (Skoda). [Compare PHTHISIS, PNEUMONIA.]

Lupus.

Iodine is useful in lupus, whether syphilitic or scrofulous, the tincture or a glycerin solution locally (Hebra); the tincture or liniment applied to the edges and around them (R); it may also be employed internally. **Thymol Iodide** has given excellent results as a dressing (Eichoff). **Mercury**, in small doses, is one of the constitutional remedies which should receive a fair trial (Whitla); as ointment in lupus erythematosus, and in form of Calomel ointment in scrofulous and tubercular lupus of children (R); internally Calomel in doses of ʒ to 2 grains increased to 4 grains, will quickly check it (Wa); the Emplastrum Hydrargyri is very efficient in lupus erythematosus and allied affections (Kohn). **Salicylic Acid**, is the most typical member of the group of agents which have selective action on the new growth and destroy it with the least amount of injury to healthy tissue (Whitla); as dressing, Salicylic Acid 5, Creosote 5, Glycerinum Saponatum 90, after destruction of the growth, has given good results where no scraping nor any other operation was performed (Hebra). **Lactic Acid**, seeks out the diseased tissue, as a dog does game, surely finds it and effectually destroys it (Hortmann); the concentrated acid should be used, either alone or as a paste made with Kaolin. **Lead**, the Liquor Plumbi, with 1 or 2 of glycerin, in the milder forms, applied warm after the removal of the crusts (R). **Jequirity**, is a good application to destroy the diseased tissue by setting up the jequirity inflammation (Shoemaker). **Sodium Ethylate**, on absorbent cotton, is the best of the caustics, followed by Bismuth Oleo-palmitate as a soothing and astringent application (Id). **Phenol**, as a mild escharotic (B); the pure phenol applied to the elevated border, a portion at a time, every 2 or 3 days (Licorish). **Iodoform** gr. ij to the ʒ of Collodion, applied to the whole patch after the border has been treated fully by Phenol; the thick coat thus formed should remain until it drops off, when most cases will be found cured (Id). **Arsenic**, in chronic cases not of syphilitic origin; Fowler's solution long continued exerts a curative influence, also Arsenic Trioxide locally (B); the best remedy in lupus of the head and face (Wa); the Oleate in ulcerating forms, constantly applied, will destroy cell infiltration in a mild and comparatively painless manner; it is also well employed in the tubercular variety (Id). **Phosphorus** as an internal remedy, may be used as a substitute for arsenic (B). **Aurum Arsenate** internally, is said to be serviceable. **Aurum** salts, locally and internally, have proved curative; the Chloride has been used as a caustic (P). **Zinc Sulphate**, dried, freely dusted over the surface as a caustic, followed by a poultice to remove the slough (B). **Silver Nitrate**, a weak solution gradually strengthened, may be used in superficial forms (R). **Chromic Trioxide**, in solution, 100 grains to ʒj of distilled water, is an efficient escharotic (B). **Formalin** locally, caused marked improvement in lupus of 4 to 5 years' standing (Scatchard). **Guaiacol** and Glycerin, equal parts, applied twice daily to the lesions (Leplat). **Thiosinamin** in 15 to 20 per cent. alcoholic solution hypodermically (Hebra). **Thyroid Extract**, has been used as a stimulant of cutaneous functional activity with most satisfactory results. **Tuberculin**, in this disease has excited great interest, but the best authorities deny that its use has produced a single absolute cure; yet combined with surgical methods it will give good results (Whitla). **Scraping** off the diseased tissue with Volkmann's spoon under anesthesia, is the most radical and satisfactory of the mechanical procedures (Id); the Paquelin cautery is better than the spoon for removing the morbid tissue (Unna). **Electrolysis**, has given good results in Jackson's hands, who reports that the electrolytic action of the current seems to expend itself only on the diseased tissue. **Cauterization**, with the actual cautery at white heat, after scraping out as much as possible of the diseased tissue, so as to destroy the lupus cell. **Phototherapy**, the violet and ultra-violet rays of sunlight or of electric light from lamps of 80 ampere power (Finsen); cured 149 cases at the London Hospital, and 600 cases were thus treated at Copenhagen with astonishing

success. **Röntgen Rays** have proved curative in lupus erythematosus (Woods); cured a case of lupus vulgaris of 15 years' standing (Smith); are rapidly curative in the sebaceous form of lupus erythematosus (Harris).

℞. Iodi,
Potassii Iodidi,.....āā ʒss.
Glycerini,.....ʒj.
M. Sig.—Locally in lupus.
(McCall Anderson.)

℞. Ung. Arseni Oleat.,.....ʒij.
Ung. Simplicis,.....ʒj.
M. ft. unguentum. Sig.—Use constantly
over the affected surface. If pain sets in
Opium may be added. (Shoemaker.)

℞. Hydrargyri Bromidi,.....ʒjss.
Adipis,.....ʒv.
M. ft. unguentum. Sig.—To cover the
part affected, using Cod-liver Oil freely, and
the following solution internally. In tuber-
cular lupus of the face. (Hardy.)

℞. Potassii Iodidi,.....gr. lxxv.
Sodii Chloridi,.....ʒss.
Aq. Destil.,.....ʒvijss.
M. Sig.—Teasp. before meals, night and
morning. (Hardy.)

Lymphadenoma—Hodgkin's Disease.

Arsenic is by far the most successful remedy, both in acute and chronic cases, several having been recorded in which the glandular swellings have disappeared and the patients have recovered under its influence (Murray); large doses, ℥xxv-xx of Fowler's solution, arrived at by gradual increase, should be maintained until some physiological effect is produced (Ty); injected into the lymphoid masses has given good results, especially when not well borne by the stomach (Id). **Phosphorus**, has had good effects in a few cases, and should be used if arsenic is not well borne (Gowers). **Iodine** and Potassium Iodide, have been used but with little benefit; the latter may be distinctly harmful (Murray). **Quinine**, Iron and Cod-liver Oil, as tonics; every means must be employed to support the patient's strength (O). **Organic Extracts**, of spleen, thymus and other glands, are being tried but with no very decisive results as yet (Murray). **Bone-marrow** is perhaps worthy of trial, ʒj of fresh ox marrow thrice daily for an adult (Id). **Local Treatment**, by applications to or injections into the diseased glands, has reduced their size but has no influence on the progress of the disease (Id); is of doubtful benefit (O). **Extirpation** of the diseased glands, in suitable cases, especially where the enlargement is confined to one group, when the spleen is not greatly enlarged and when there is neither fever nor marked anemia, may arrest the disease and is the proper treatment (Murray); if the number of red corpuscles is below 60 per cent. removal should not be attempted (Gowers). [Compare ANEMIA, LEUCOCYTHEMIA.]

Lymphangitis.

Belladonna, the extract softened with glycerin and freely applied, is of great service; when pain is severe a poultice may be applied over the extract for a few hours only (Wa). **Lead**, Liq. Plumbi Subacet. Dilutus, as an external application, constantly applied, to soothe and restrain the inflammation (Wa). **Iodine**, in strong tincture, applied around the glands, to prevent suppuration (Roberts). **Quinine**, or **Salicin**, with alcoholic stimulants freely, in septic cases (Id). [Compare BUBO.]

Malaria, Chronic.

Arsenic plays an important rôle in chronic malarial disease (B); diminishes splenic engorgement, and combined with Iron is rapidly curative of many affections due to malaria (Boudin); is a powerful prophylactic against malaria, and in chronic malarial poisoning, with frequent return of fever and neuralgia, its continued use is of great benefit (Fayrer); is of especial value in nervous affections due to malaria, but large doses are required (Wa). **Arrhenal** is of especial value (Gautier). **Quinine** is less efficient in chronic malaria than when the infection is recent, but in periodical affections depending on the malarial cachexia it is of specific value, large doses being required (B);

the indiscriminate use of quinine as a prophylactic in malarial countries is attended with great danger, seriously weakening the action of the heart and so inuring the subject to its action that it has no longer any value of importance as a remedy (Koch). **Salicylates**, of Quinine and Cinchonidine are especially effective in chronic malarial disease (B). **Saloquinine** is tasteless, devoid of unpleasant effects, and very efficient. **Iron**, the Sulphate has decided antiperiodic power, and is particularly successful in anemic subjects and in those with enlargement of the spleen (Wa); it improves the anemia of chronic malaria, and should generally be combined with Arsenic (B). **Iron and Manganese Iodide**, the syrup in doses of ℥xx-xxx, is a successful remedy for chronic malaria (B). **Manganese Sulphate**, gives excellent results in jaundice of malarial origin (B). **Cornus**, **Calumba**, and other bitters are highly efficient, especially the first named, in chronic malarial poisoning and in convalescence after malarial fever (B). **Phenol** and **Iodine** in combination, are of great value in chronic malarial infection; both are highly antiperiodic, and the latter is the best substitute for Quinine and the most active reducer of splenic enlargement (Gimwell). **Eucalyptus**, is of high utility to reconstruct damages in the organs of assimilation (B). **Nuclein**, has been used with benefit (Vaughn). **Baths**, the vapor-bath and Turkish baths are efficient aids to medicinal treatment in breaking up chronic cases, and may of themselves cure such by inducing profuse perspiration (Da C). [Compare HEMOGLOBINURIC FEVER, INTERMITTENT FEVER, REMITTENT FEVER.]

℞. Cinchonidinæ Salicylat.,.....ʒij.
Arseni Trioxidi,.....gr. j.
Ferri Sulph. Exsicc.,.....gr. xx.
M. ft. pulv. no. xx. Sig.—One powder
in wafer thrice daily.

℞. Quinina Sulph.,.....gr. xl.
Ferri Sulph. Exsic.,.....gr. xx.
Arseni Trioxidi,.....gr. j.
M. ft. pil. no. xx. Sig.—One pill thrice
daily.

Mania.

Stramonium, of value; allays irritation and induces tranquil sleep; in wild and furious but intermittent delirium, also in nymphomania (P); many facts seem to confirm its reported value (Tr). **Daturine**, gr. $\frac{1}{100}$ - $\frac{1}{50}$ hypodermically in acute mania, but is less useful than Atropine or Hyoscyamine (Wa). **Duboisine**, gr. $\frac{1}{32}$ hypodermically in acute mania (Gubler); is more sedative and hypnotic than the other alkaloids of the group and acts well in doses of gr. $\frac{1}{100}$ at first, gradually increased to gr. $\frac{1}{50}$. **Belladonna** is useful, especially in monomania with fixed hallucinations, though a large dose causes a temporary insanity (Tr); one of the very best remedies in all hyperemic conditions of the brain (P). **Hyoscyamus**, in violent intermittent forms, to procure sleep and calm violent delirium (R); delirium with hallucinations but not congestion; in milder and less inflammatory forms, also in hypochondriacal monomania (P). **Hyoscine**, finds its greatest and most useful application in the treatment of maniacal violence and noisiness, and is a drug for emergencies of this kind (Weatherly). **Veratrum Viride**, successfully combats the excitement in acute mania (B). **Camphor**, has been used successfully; its action is uncertain (P). **Opium** with Tartar Emetic is satisfactory for many cases; also Morphine hypodermically to induce sleep (R); its narcotic effect is of doubtful utility, better in insanity with depression (P); will not produce narcotism in many such cases, even in 2-grain doses. **Apomorphine**, gr. $\frac{1}{50}$ - $\frac{1}{4}$ hypodermically, as a sedative and hypnotic (Rabow). **Chloral** stands in the first rank as a calmative and hypnotic (Palmer); has induced mental improvement in mania (B). **Trional** in doses of gr. xxx every 2 to 4 hours, is a reliable remedy for maniacal excitement (Palmer). **Bromides** are used in puerperal mania, that of pregnancy, nymphomania and other forms (R); the combined use of Potassium Bromide and Tinct. of Cannabis Indica, equal parts, ʒj of each thrice daily for weeks and months, has proved very efficient in acute and periodical mania, senile mania, and other forms (Clouston). **Paraldehyde**, as a hypnotic, in doses of ʒss-j, is often decidedly useful (R); larger doses are necessary, an average one is ʒiiss. **Coniine**, most suitable to acute mania, quiets muscular action; doses of ℥ss-ij, or hypodermically, beginning with gr. $\frac{1}{10}$; with Morphine conjointly injected, is very successful (R). **Digitalis**, ʒss-ʒj of tinct.

valuable in acute and chronic mania, especially when complicated with general paresis and epilepsy (Maudsley); caution! watch the pulse for any marked intermittence (B); a very valuable palliative in acute mania (Van der Kolk). **Ergot**, large doses, \mathfrak{zss} - \mathfrak{j} of fluidextract, to reduce excitement, shorten attacks, widen intervals between them, and prevent exhaustion, hence is very useful in recurrent and epileptic forms, and in chronic mania with lucid intervals (Crichton Browne). **Iron**, as a restorative, is frequently used in chronic mania with benefit, the tincture of the Chloride in 5-10 minim doses (B). **Gelsemium**, is useful in mania with great motor excitement and wakefulness; large doses required, \mathfrak{xxxv} - \mathfrak{xx} of tincture. **Croton Oil**, as a purgative, $\mathfrak{m}\mathfrak{t}$ - \mathfrak{t} every hour, as revulsive in mania from cerebral congestion (R). **Cimicifuga**, is often efficiently used in cases of mania occurring during the puerperal or pregnant condition (R). **Chloroform**, may be necessary to control very violent cases temporarily; its inhalation need not be carried to complete anesthesia. **Galvanism**, of the head and cervical sympathetic, has produced distinct improvement (B). **Cold Douche**, in maniacal delirium, the patient being in a warm bath during the application of the douche to the head (R). **Removal** from home, from sympathetic friends, and from surroundings connected with the origin of the malady, is a prime necessity to a cure. [Compare DELIRIUM, INSANITY, PUEPERAL MANIA.]

Mastitis.

Belladonna, Atropine locally [see LACTATION], or combined with Morphine and Chloral, when much pain (B); especially as liniment to check secretion of milk when inflammation is imminent (R); or when breasts are distended by milk (P); when inflammation has set in, continuous application of Belladonna for 24 hours often arrests it; also useful when abscess has formed; fomentations in addition, but skin must be dried well before the Belladonna is rubbed in (R); $\mathfrak{m}\mathfrak{v}$ - \mathfrak{x} of tinct. internally at the same time (P). **Camphor**, a saturated solution in glycerin locally, in mammary congestion threatening abscess (Wa). **Phytolacca**, has power to arrest inflammation of the mammae and to prevent suppuration; the fluidextract in 10-minim doses internally, and the solid extract to the inflamed breast (B). **Conium**, the extract in small doses several times a day, of striking benefit in mastitis and impending abscess of breast (Wa). **Calcium Sulphide**, internally in mammary abscess; occasionally increases pain (R). **Hyoscyamus**, as plaster, to relieve painful distention from milk (P). **Stramonium**, fresh leaves as cataplasm to discuss indurated milk (P). **Iodine**, tinct. and ointment to remove indurations of breasts after inflammation (B). **Mercury and Morphine**, the Oleate locally in mammary abscess (R). **Tobacco** leaves, as poultice in abscess (R). **Digitalis**, the infusion locally as fomentation in severe inflammation of the breasts, causes it to yield speedily (Fairbank). **Ichthyol** with an equal part of water, gently rubbed in, is very efficient (Schmitz); a 30 per cent. mixture with mucilage applied early will prevent suppuration (Akerblom); in ointment to fissured breasts diminishes the pain of nursing (Behren). **Ammonium Chloride**, $\mathfrak{z}\mathfrak{j}$ in Spt. Rosmarini Oj, as lotion on linen cloths, constantly applied, especially in induration after the abscess has suppured (Wa). **Tartar Emetic**, in small and frequent doses, given early, is beneficial (Wa). **Oil** frictions in first stage of inflammation of breasts, from circumference towards the nipple (L). **Rest**, by supporting mammae with strips of plaster, and bandaging the arm to the side, to prevent motion (T). **Alcohol**, over proof, applied by sponging until part is cold; renew if high heat returns. **Heat**, applied by a basin lined with flannel saturated with hot water, to relieve pain and prevent suppuration. [Compare ABSCESS, LACTATION.]

Mastodynia.

Conium, has specific anodyne action on the mammae and generative organs. **Cimicifuga**, relieves infra-mammary pains of uterine origin in spinsters. **Olive Oil**, 2 parts, to 1 of Tinctura Opii, may be used by gentle friction to painful breasts after parturition (Parvin). **Non-interference** is best in simple cases of enlargement and

tenderness, which will spontaneously subside if let alone; in severe cases support by strips or bandage, if breast pendulous; Belladonna ointment or liniments; amputation of the breast has been necessary (T).

Measles.

Aconite, for febrile symptoms, and especially to arrest the catarrhal pneumonia (R); a valuable remedy (P); the best drug when fever is very high, $\frac{1}{2}$ -drop doses of the tincture every 2 hours (Da C). **Pilocarpus**, with a hot bath, as a diaphoretic in cases of delayed eruption (Da C). **Asclepias**, an infusion or decoction freely as a diaphoretic to promote the eruption (W). **Veratrum Viride**, has been employed (R). **Pulsatilla**, for the catarrhal ophthalmia, nasal and intestinal catarrh; $\mathfrak{z}\mathfrak{j}$ - \mathfrak{ij} of tincture to $\mathfrak{z}\mathfrak{iv}$ water as wash (P). **Ammonium Carbonate**, dissolved in a solution of the Acetate, is much vaunted; when feeble circulation, cyanosis, delirium, gr. v-x to \mathfrak{zss} - $\mathfrak{z}\mathfrak{j}$ Liq. Ammonii Acetatis (B); gr. iij-vj or vij, every hour or two, in Cinnamon-water or milk; one of the reliable remedies (W). **Camphor**, the water with Liq. Ammon. Acetatis, excellent when cough and catarrh the most urgent symptoms (A). **Ipecacuanha**, for cough and catarrh, gr. j-ij every 4 or 6 hours (A). **Antimony**, preferred to Ipecac by some (A). **Quinine**, in small doses, gr. j-ij, for the adynamia, or large doses, gr. xv, for hyperpyrexia and catarrhal pneumonia (B). **Phenol**, has been employed in several hundred cases with decided advantage; most useful at early stage (Wa). **Cod-liver Oil** and **Iron**, to scrofulous children, a long course of such medication after convalescence (Da C). **Purgatives**, must be given with caution (R); the milder purging salts, as Magnesium Sulphate, to be preferred (A). **Mustard**, as bath on sudden retrocession of rash (R); often increases the fever without benefiting the pneumonia or other complications (A). **Water**, cold affusion at commencement; packing, especially when retrocedent (R); hot foot-baths for convulsions (A); tepid bath with cold douche to head, if cerebral symptoms are severe (Da C). **Ichthyol** in 25 per cent. ointment with lard, over the entire body twice daily, gives excellent results in abating the disease (Strisover). **Inunction** with Cacao-butter is very grateful to the patient and reduces the temperature (B); a firm fat rubbed over the hands and feet to relieve the heat and tightness of the skin (R). **Diet**, a low diet chiefly of fluids, giving no animal food. **Hygiene**, dark room, complete disuse of eyes, strict cleanliness (A). [For Sequelæ see BRONCHITIS, COUGH, OPHTHALMIA, OTORRHEA, PNEUMONIA.]

R. Phenolis,
Acidi Acetici, \mathfrak{aa} $\mathfrak{z}\mathfrak{j}$ - $\mathfrak{z}\mathfrak{jss}$.
Tinct. Opii Deodorati,
Spt. Chloroformi, \mathfrak{aa} $\mathfrak{z}\mathfrak{j}$.
Aqua, q. s. ad $\mathfrak{z}\mathfrak{vii}\mathfrak{j}$.
M. Sig.—A tablespoonful every 4 hours,
until fever abates. (Keith.)

R. Tinct. Tolutanæ, $\mathfrak{z}\mathfrak{ij}$.
Syr. Senegæ, $\mathfrak{z}\mathfrak{ss}$.
Acidi Acetici, $\mathfrak{z}\mathfrak{jss}$.
Syr. Pruni Virg., q. s. ad $\mathfrak{z}\mathfrak{iv}$.
M. Sig.—A teaspoonful as required for
cough after convalescence.

Melancholia.

Aurum, gives excellent results, gr. $\frac{1}{30}$ to $\frac{1}{20}$ of the Chloride thrice daily, especially when cerebral anemia coexists (B); the Bromide of Gold and Arsenic has rendered good service in many cases, $\mathfrak{m}\mathfrak{x}$ hypodermically thrice daily: Gold is highly recommended in suicidal melancholia. **Bromides**, sometimes afford relief which no other agent will; no indications (B); Potassium Bromide for townspeople, especially women with unendurable despondency (R). **Arsenic**, gives great comfort in the melancholia of aged persons, is best when combined with small doses of opium, thus—Liq. Potas. Arsenit. $\mathfrak{m}\mathfrak{ij}$, Tinct. Opii, $\mathfrak{m}\mathfrak{ij}$ -v ter die (B). **Opium**, in stimulant doses of tincture, gives good effects (B); especially when paroxysms of acute anguish and despair, or when suicidal impulse (Wa); Morphine hypodermically is of great benefit in some persons who have a peculiar idiosyncrasy therefor (R). **Camphor** has been highly recommended (R). **Musk** and **Castoreum** are employed in melancholia with benefit (R). **Cannabis Indica**, sometimes relieves (B). **Phosphorus**, depression from over-

work (R). **Chloral**, as hypnotic, has been followed by marked amelioration and cure (Wa). **Valerian**, in hysterical or suicidal melancholia, is often beneficial (Wa). **Caffeine** has been useful (B). **Iron**, as restorative, the tincture of the Chloride (B). **Cocaine**, a useful tonic and especially beneficial in nervous affections accompanied by depression (Br). **Cimicifuga**, in puerperal or uterine despondency, of singular value (P). **Ignatia**, has soothing effect in great mental depression (P). **Orchitic Extract**, has been used with benefit. **Water-cure**, shower-bath for 15-20 seconds, or warm-bath, 95° F. for 30 minutes; the shower or cold douche may be usefully employed in cases where reaction takes place after it (W). [Compare HYPOCHONDRIASIS, HYSTERIA, INSANITY.]

Meningitis, Cerebral.

Aconite, is as serviceable in this as in the other acute inflammations; during the stage of excitation, the tincture, gtt. ij with gtt. v of the tincture of Opium, every 2 hours, gives admirable results (B). **Belladonna**, in all hyperemic conditions of brain and spinal cord one of the very best remedies, especially during the period of excitement (P). **Hyoscyamus**, valuable in subacute form (P); for nervous irritability during convalescence (A). **Gelsemium**, extremely useful; ℥v of fluidextract every 2 hours (B). **Mercury**, as ointment gives good results in children (A); Calomel in small, frequent doses, so as to bring the system under it quickly, a most valuable remedy apart from its purgative effects (W); the Unguentum Hydrargyri rubbed for 30 minutes into the skin on the front of the abdomen, groins and arm-pits, repeated after 12 hours if no evidences of improvement or salivation; such unmistakable benefits follow the free use of mercury that to withhold this remedy in desperate or apparently hopeless cases is unjustifiable (Whitla). **Potassium Iodide** in large doses where vomiting and gastric derangement are absent, and in the later stages of syphilitic meningitis may be very valuable (Id); has cured (Niemeyer). **Ergot**, the fluidextract in ʒss doses with an equal quantity of Potassium Bromide, every four hours, to diminish the vascular excitement (B). **Potassium Bromide**, in the convulsions following simple meningitis (R). **Opium**, in small doses; by clinical evidence proved to be the best remedy, especially for acute stage before exudation, or during the stage of excitation (B): when collapse, it may sustain the vital powers; with Tartar Emetic has proved most beneficial, but should be used with caution, as it may do great harm (Wa). **Bryonia**, exceedingly valuable for serous inflammations in stage of effusion (P). **Pulsatilla**, valuable in the acute form (B). **Purgatives**, as soon as possible, unless exhaustion; Calomel and Jalap the most active and searching (A); Croton Oil as a derivative and revulsive, also locally to the shaven scalp is productive of the best results (Wa). **Venesection**, or arteriotomy (temporal artery) gives good results (B); when high cerebral excitement and vascular action (A). **Blisters**, on nape of neck if coma, after active symptoms are subdued (A); useless, and cause needless suffering (O). **Water**, cold water for hyperpyrexia (C); pounded ice in bag or bladder, as a cap to the head (R). There are no remedies which in any way control the course of acute meningitis (O). [Compare MENINGITIS, TUBERCULOUS.]

Meningitis, Cerebro-Spinal.

Opium, in small doses is the most effective remedy; its utility ends when effusion occurs and stupor and coma ensue (R); large doses (Valleix); gr. j every hour in very severe cases (S); has been used in France and Germany with much success (Tr); is the best remedy in doses of gr. j every hour for 4 days, even such doses will not narcotize the patient in this disease (Da C). **Bromides** to guard the Opium and enable the latter to be pushed, doses of gr. xx every 4 hours (Id). **Antipyrine** was very efficient in the epidemic among the Boer prisoners (Freeman). **Aconite**, is useful combined with Opium (B); affects the cranio-spinal axis from 3d nerve to phrenics, the region where this disease is most manifest (Harley). **Gelsemium**, extremely valuable, ℥v of fluid extract every 2 hours, to maintain constant physiological effect (B); is efficient for the

delirium. **Belladonna**, in all hyperemic conditions of brain and spinal cord, especially during stage of excitement (P). **Iron**, the tincture of the Chloride, in 20-30 minim doses, every two hours, suggested by the similarity of the disease to erysipelas, has made many successful cures without leaving any sequelæ (Klapp). **Ergot** is one of the best remedies (B). **Digitalis** is valuable in the early stage (Rummel). **Collargol** by inunction in the suppurative form (Marguet). **Hydrocyanic Acid**, dilute, ℥j-ij with gr. iij-v of Sodium Bicarbonate, every 3 or 4 hours for severe vomiting (Delafield). **Quinine**, in large doses at the commencement (B); has been exhaustively tried in this disease and failed (Da C). **Potassium Iodide** for the sequelæ, a long course of Iodides during convalescence is the best treatment (Da C). **Turpentine** by enema as a derivative (B). **Counterirritation** by the actual cautery freely applied to the back, relieves the pain (A); a valuable method in the chronic form (W). **Cold** to the spine, the most satisfactory treatment (Radcliffe); to the head and upper spine for 5 minutes only at a time, for the headache and tetanic symptoms (Da C). **Heat** to the body, except the head and neck (Id); hot-water bottles or hot sand-bag to the trunk and extremities to keep up the body warmth; bath of 102°-106° F. for a short time only (A). **Venesection**, or arteriotomy (the temporal artery) is probably of service (B); leeches to the temples and back of the neck if the patient is vigorous, to relieve the terrible headache (Da C). **Lumbar Puncture** and hot baths, have cured many cases of the suppurative form (Netter). **Diet**, nutritious and suitable food at short intervals, day and night (A); tonics with fresh air and good diet during convalescence (A). **Ventilation**, of dwellings, the best sanitary precaution when the disease is epidemic (Simon).

| | |
|---------------------------------------|---|
| ℞. Morphine Sulph.,..... gr. ss | ℞. Potass. Iodidi, ʒiv. |
| Ac. Sulphurici Aromat.,..... ʒj. | Tinct. Gentian. Comp., |
| Tinct. Cinchonæ Co.,..... ad ʒvj. | Syr. Sarsaparillæ Co., āā ʒij. |
| M. Sig.—Tablesp. every 2 hours, for a | M. Sig.—Teasp. thrice daily, to promote |
| boy 12 years old. (Meigs & Pepper.) | absorption during convalescence. |

Meningitis, Spinal.

Aconite, is very useful (B); with an Ergot and Opium impression to reduce the amount of blood in the vessels of the cord (Da C). **Potassium Iodide**, in the chronic form, with the Bichloride of Mercury when a specific history present (Hammond). **Belladonna**, strongly to be relied on, even when brought on by external violence (P). **Bryonia**, in serous inflammations when effusion, is extremely valuable (P). **Purging**, when by Magnesium Sulphate, combined with Tinct. Hyoscyami (A). **Quinine**, when paralysis occurs, in 3-grain doses thrice daily, with ¼-grain doses of Ext. Belladonnæ, or 20-30-grain doses of Potassium Iodide, and flying blisters along the spine (Da C). **Opium**, in some form, must be used for pain (Bastian). **Mercury**, gr. ⅙ of the Bichloride, with increasing doses of Potassium Iodide, to promote absorption of inflammatory products, if the inflammation subsides (Bastian); a mercurial impression often benefits the paralysis (Da C). Mercury is the only drug which has any influence on the acute process; it is best given by inunction (Risien Russell). **Cold**, by ice to spine is deemed necessary, and no doubt alleviates the pain, though heat would be a more rational application for the inflammation (Bastian). [Compare the preceding article.]

Meningitis, Tuberculous.

Potassium Iodide, is the routine remedy, to be administered in ordinary typical cases, full and frequently repeated doses are necessary, gr. j every 2 hours for a child of 2 years (Whitla). **Iodine**, lotions to scalp, or inunction of Iodine ointment together with Ferrous Iodide and Cod-liver Oil internally, offer the best chance of success, although most remedies often fail (Wa). **Potassium Bromide**, combined with the Iodide in double the dose of the latter, is advantageous (Whitla). **Tartar Emetic**, the oint. as counter-irritant to scalp in tubercular meningitis (R); in large doses internally was formerly employed (Wa). **Croton Oil**, is said to have removed the excess of fluid from the ventricles (R); as a derivative and revulsive, also locally to the shaven