Notes

taken from Dr Rushes lectures upon the institutes and Practice of Medicine and on

Clinical Cases

Volume second

"Let no man enter the temple of Medicine who is not acquainted with the pulse"

Rush

Amos A. Evans,s

Vol. 2d

Hic labor, hoc opus est

January 4th. Lecture 44th. – Influence of different religions on Life & health – The relations of this would fill a volume – we shall confine our=selves to the Christian religion. – It exerts the most friendly influence upon health & life – A Physician who renounces the Christian religion, stands removed from the principles of medecine –. Free religion never caused prosecution, nor induced su=icide! Influence of Employments Agriculture – The first and most simple employment – it is very healthy –. The Farmer & Carpenter are subject only to fever & accidents – It has been re=marked that Carpenters are the long=est lived of any in Philadelphia. Day laborers are subject to sore legs, fevers, &c,. Soldiers are very subject to rheumatism – Servants to catarrhs, pneumonys, &c. particularly Coach drivers – Manufacturers suffer for want of air, from fœtid smells, fumes, &c. Weavers are generally pale, and subject

to dyspnoea, dyspepsia, hypochondriasis, &c. Watchmakers and Silver smiths suffer for want of air, &c. — Taylors and shoemakers, for want of exercise & air, & from position their legs become large —. Bakers are subject to pulmonary consumption — to malignant & chronic diseases — "to disorders of the eyes". — Printers to inflammatory diseases — the lead in the Types is injurious — Dr. Franklin upon warming his Types felt the Palsey —. &c. &c. — Studious persons are subject to dyspepsia — retention of urine, /from unfavorable situations to discharge it, &c,/ has bad effects — Instance Dr. Franklin who printed in an upper story, and retained his urine from laziness, or want of time to go and discharge it when first urged, brought on the gravel by it — Those who ride much are subject to costiveness, fistula in ano — &c. Amusements — The predisposition to disease is greater from the pursuit of pleasure than any thing beside! It seems that our pleasures are greater evils to us than the curse of Labor — Heaven has wisely ordained it to be so —. Contagion is often engendered in crowded assemblies; as Catarrh &c. Dancing produces diseases from fatigue — brings on indi

=rect debility - most frequently produ=
=ces Catarrh - Cards prove sedative
or stimulating, according as we are at=
=tracted by interest or pleasure - Thea=
=tres dispose to nervous diseases - These
diseases have been noted for keeping
pace with Theatres - Tragedies never
prompt to virtues. They produce a re=
=trograde action on both body & mind.
They are said to promote sympathy, cha=
=rity, & benevolence - Dr. Rush denies
it. They render the mind insensible
to real distress. - The Lady who melts
into tears at the Tragedy of Jane Shore,
or the Earl of Essex, will hear with
indifference of the distresses of famine
or War in her own Country, - and
will spurn the naked mendicant
with haughtiness from her door!!
Hunting with the exercise connected
with it, predisposes to disease - -
Customs - . Drams in the morning weak=
=en the appetite if good, & excite it too highly
if impaired, - disposing to dyspepsia, &c.
The practice of visiting Child bed wo=
=men is pernicious - 15 or 20 old Gossips
all charged with news, must have a

bad effect. — Heriditary, & Congenial diseases — The lues, small pox, measles, and malignant fevers are congenial diseases. — Congenital deformities — & sameness of the eyes & forehead dispose to the same diseases — take notice of this Gentlemen, says Dr. R. — Gout, Scrophula, mania & leprosy, sometimes pass by the first & appear in the second generation. particularly mania. The Color of the skin is transmitted for many generations — hence the tenacity of the black color of the ~~skin~~ Negroes. In chronical diseases, enquire whether they have been heriditary — In this case it has been said they cannot be cured; — but though much more difficult to cure, they may be cured — They are more apt to relapse, & require more attention —. A record should be kept of all chronic diseases, as well as acute. False systems in medicine — There has been a succession of them since the days of Galen — They have slain their thousands & tens of thousands —. The great evil consists in the servile adherence to one particular system — Rivers of blood have shed in consequence of a supposed lentor of the blood — &c. we should not reject the true religion because there are false ones — The same rule applies to medicine. One truth supplies the place of 20 errors.

in a system of medicine. — Nature is too much depended on —. If regular Physicians have done so much mischief — how much more must have been done by Quacks? There was once published a dialogue between Rum and the sword, disputing which had slain the most — If a Quack had been added he could have outdone them both! Where education is general, quacks dare not show themselves —. The people of new England are better informed than in any other part of the globe! Purges induce costiveness — Aloes dispose to the piles — Salts to diarrhea — Nutter nut pills to apoplexy, palsy, &c, In France Glysters & purges compose almost the whole Materia Medica. — The English use vomits — perhaps as they are accostomed to distend their stomachs, they use these to free them — Bitters are injurious, they render the system insensible to stimuli — The daily use of Chamomile Tea has occasioned vertigo — The duke of Portlands powder is composed of bitter ingredients — it disposes to palsy & apoplexy Opium, when too much used, disposes to languor, dyspepsia, loss of memory, &c — Bloodletting, disposes to plethora, with all its morbid consequences —. Wine taken during the first attack of fever, produced death in two persons. Pediluvia do harm in active fever — as

also does opium. Diet drinks have been introduced from a false theory - Quack Medicines -. Godfreys cordial has killd. many - &c. &c. Vomits even in common doses, given under certain circumstances, do harm -. Bitters sometimes render the bark ineffectual -.

January 5th. Lecture 45th. Influence of Sympathy & antipathy - gaping spreads thro. a company like Contagion - Laughing & weeping may be produced without a knowledge of their exciting causes -. Convulsions were produced in 6 persons in the Pensylvania Hospital by the power of sympathy. Stuttering has been acquired especially by being fond of the person who stutters - How shall we account for this - Dr. R. answers Man is an imitative animal -. A knowledge of a death is communicated to relatives at a great distance by some unknown intelligence - Instance, a Boy, who, tho, separated from his father by the ocean, was sensible of his death at the moment he died - What is that unknown web that connects us? There are so many well attested facts on this subject, that I must says Dr R. - however contrary to my inclination, admit them -. I have only related facts to you, Gentlemen,

I leave them with you. Love of ancestors – Examples in the old Testament – Dr. R. – has seen instances enough to confirm ~~him~~ it. He knew an instance of a man who, in his sickness expressed the fondest sentiments of affection for his father, & wished to be interred by his side. He did not appear to possess this affection before, & lost it after his sickness – Antipathy. Peter the Great was born with an antipathy to water: so much so, that when going to cross it, he would wrap himself up, & tumble headlong into the Boat. Some are born with an antipathy to Cats, Rats, &c. Antipathies are acquired by satiety – By association, depending upon the object being formerly combined with fear. – King James had an antipathy to swords, from seeing a horrid murder committed with one when a child –. Associations of ideas have a powerful effect upon the body. They are of immense use in practice! – Association in other forms as urinating at bed time, &c. A Lady who was a great snuffer, on becoming crazy still retained the operation of his fingers to her nose, when her nose was stimulated with volatile salts, &c.. Hence periodical fevers, and epilepsy may be accounted for – Nausea is induced is induced by the sight of a cage which formerly contained nauseating medicines – Hence the good effects of a change of objects – Hence, if this Theory

be correct, we may account for all periodical diseases. — A Lady of Delaware state got rid of a periodical disease by changing her residence — &c. accidents Dr. R. — only takes notice of the distance of time between the accident & the consequent disease — Hydrocephalus has not made its appearance for 8 & even 18 months after a blow on the head. A stroke on the back produced an ulcer 4 months afterwards —. Contusions on the head should always be early & carefully attended to. — More women become old than men — but there are more men who live to be very old —. The proper proportion of old men is greater in New England than in Europe. — predisposition to disease in Infancy. · From the disproportion of the head to the body — hence eruptions behind the ears, and scald head, & hydrocephalus internus, &c. There is much more irritability than sensibility, in infancy, as already mentioned — this is for wise purposes — it prevents suffering from pain, &c. — hence convulsive diseases; different from those occurring in after life. — The Cholera Infantum, is nothing but a bilious complaint, excited by the peculiar irritability of the stomach & bowels — Cynanche Tracheali occurs after the humors have abated in

the head, & fallen upon the Lungs - sometimes it is so great as to prevent Inflammation, & effusion; hence call'd spasmodic -. A greater proportion of Boys than Girls die in Infancy - This is owing to their greater excitability, & more violent exertion, &c. - Predisposition from puberty - at this period there is an increase of blood sent to the seminal vessels -. There is nasal hemorrhage, dyspepsia, pains in the joints, call'd growing pains - swell=ing in the Groins - Females are more disposed to a vitiated appetite, at this period, than Males - The mind is unsta=ble & volatile in all its pursuits. Fewer die between the age of 40 & 57 years, than in any other period of life. - Many complaints, & even disposition to pulmonary consumption, go off at 40 owing to the equable state of the system. It is the happiest period of life! - When a man first puts on spectacles he may be said to put on his first shroud for death. - And when he comes under the necessity of rising in the night to make water, from inability to retain it till morning, he makes his first motion towards the grave! - Excitability revives in old age - hence in the first

stage of it, they become irritable, like children, are easily made drunk, &c. – In extreme old age, or the second stage the arteries become ~~irritable~~ excitable; hence they are liable to inflammatory diseases – Instance, Dr. Chovet, and Dr. Franklin; – the former would probably have recovered if he had been sufficiently bled – the latter died of an inflammation of the lungs (or pleura) which ran on to suppuration; the abscess burst and strangled him. ——

January 6th. Lecture 40th – predisposition to disease from the intemperance of Ancestors – The varieties in the minds of men are not altogether owing to Education foundations for them are laid at birth, &c. Different temperaments dispose to different diseases, & to different forms of the same disease –. The Sanguine temperament disposes to Arterial diseases; producing fever, ~~&c~~ some people have no fever. – The nervous habit disposes to Hypochondriasis, Hysteria, Epilepsy, mania, &c. The bilious temperament to excessive, or deficient secretion & excretion of the bile – producing cholic, diarrhoea, &c. The phlegmatic temperament predisposing to preternatural excitability, in the lymphatic & nervous systems –. Thus remote causes act differently on different temperaments, 4 Boys at school were affected by exactly the same remote cause – but were all affected differently. – This explains the

cause why Epidemics differ in different people; and also why medicines act differently — Those temperaments succeed each other in different periods of life; and should never be lost sight of in diseases & practice. — predisposition to disease in single & married states —. Single persons are more disposed to Hypochondriasis, &c, A Bachelor's life is like a days fare of the following kind, a tolerable breakfast, — a poor dinner, — and a very bad supper! — More die, ceteris paribus, in a single than married state; i.e. they are more subject to fatal diseases —. Married men are more predisposed to disease, soon after marriage; for reasons too obvious to require enumeration. Women are not so affected by those causes —. The health of women are injured by barrenness —. The desire of having children is more prevalent in women than men —. A Lady in affluent circumstances, who had no children, observing a beggar woman at the door who was pregnant, declared she would change conditions with her to be in the same situation! How powerful then is the desire of pregnancy in women! In men, this desire of having children occurs most frequently from vanity —. pregnancy dis-

poses to inflammatory diseases, from its stimulating effects upon the System. The most acute pleurisies Dr. R. has ever seen or heard tell of, accurred in pregnant women. From the pressure of the fetus upon the rectum, it disposes to [redacted] costiveness, Cholic, &c. sucking predisposes to pulmonary consumption, &c. - The final cessation of the menses disposes to many diseases - They flow for a while very irregular about this period - at 40 women are disposed to colic hemorrhages, scurvy, cancers, Hysteria, &c, from the above causes - preternatural shape has been said to be connected with venereal desire? - It must be owing to their being more inactive; producing debility, &c, preternatural height disposes to all the diseases consequent on debility - A dwarf who was carried into England by George 1.st lived to be 80 years of age - People who become fat before 40 years, are seldom long lived &c, &c. - With this Gentlemen says Dr. R. we close the History of predisposing causes of diseases that are natural, there are artificial causes; such as half cured pneumonies producing consumption, &c. - Here let me repeat Gentlemen - there is but one disease! Here I deviate from Dr. Brown, who considered direct debility to be a disease

I believe, says the professor, that direct debility must become Indirect before disease can be produced. One thing more necessary to be attend to. Nearly all the causes that induce disease, begin their operation in the Stomach. Life is the effect of Stimuli upon the excita-bility. Vide, Lectures on animal life. — The premature dissolution of the body is generally attended with pain. the stomach bowels, & head, are susceptible of the greatest pain. It is last in the Lungs & Liver. — Some have neglected to attend to pain; but it is the business of a Physician to lessen misery of every kind. Death from old age is unattended with pain. Dr. R. thinks the time is coming when old age will be the only cause of death.

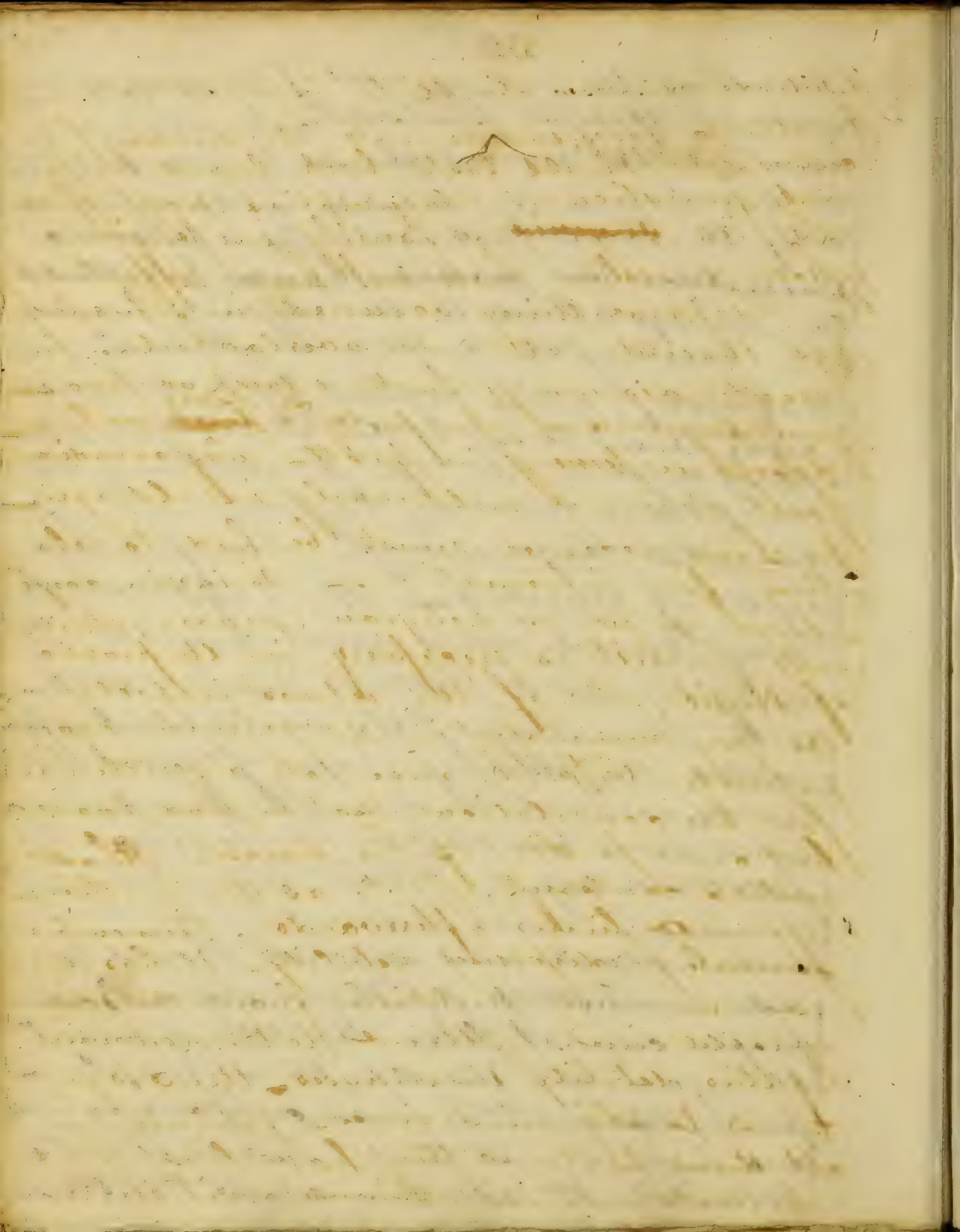
End of Pathology.

Therapeutics.—.

January 7th. Lecture 47th.— We have considered the human ~~system~~ in its healthy, and morbid, or diseased state— We come now to the consideration of that division of our course call? Therapeutics; or the Methods of removing diseases—. I shall only examine, says Dr. Rush, the different classes of medicines— for particulars I must refer you to the Lectures of Professor Barton— I shall first deliver a few preliminary remarks—. on the powers of nature in the cure of diseases—. Volumes have been written on this subject— We are directed carefully to watch her operations.— Influence of the soul &c, [Here Dr. R.— read part of the oration in his volume of Inquiries, &c, being relative to the subject now under consideration.]— By nature, Dr. R. means physical necessity— Nature is too feeble to cure even the diseases of Brute animals; in which her operations are most perfect—. Dr. R. is not the first enemy to nature, as Physician— Dr. Sydenham said that the plague should be taken out of her hands.—

In the cure of a lax we have recourse to purges; &, in hemorrhages to the lancet – In sweats to diaphoretic remedies, &c, Rely not upon one outlet only in the cure of violent diseases – It has been said that by making one we obstruct another; but this is false: In a pleurisy we do not obstruct sweat by bleeding –. Are there any diseases in which it is improper to have recourse to art in the cure of them? Dr. R. answers Yes. Such are eruptions on the heads of Children – The piles in old people, &c, – Intermittent fevers should not be speedily cured when they succeed pneumonia. Now the Rheumatism after pulmonary consumption – Instance Dr. Monroe's daughter –. Chronic sores in old people should be approached with trembling hands – In young people you may substitute evacuations (as setons &c?) The dropsy should not be suddenly cured if of long continuance – death has been quickly the consequence. – Itch should not be cured in Hypochondriacs untill the predisposition is removed – pain may become necessary to the support of animal life – vide Darwin. Happily for us, this is but seldom the case. Coughing, in old people, becomes necessary – a quack in Philadelphia, cured a cough in an old man of 80; after which he soon died –. Countries, Counties, Cities, & local circumstances should be con-

sidered in the management of diseases; as they require a specific treatment — In all ages & countries the seasons should be attended to. No two seasons are so alike as to require exactly the same treatment — ~~In all ages & Countries the seasons should be attended to~~ Always attend to the reigning disease. The habit of the people should be studied. Natives of cities require less active medicines, than those of the Country, or seafaring people —. In the Revolutionary war, the Soldiers from new England were affected with home sickness, which forbade depleting remedies —. The Virginian soldiery craved salted meat, & could not easily be cured without it, when sick — With the eating of it, would also be associated the pleasing Idea of their native homes, connections, &c. — The Frenchman must have his soups — The Irishman his potatoes & Grog, &c, "What is one mans meat is another mans poison" — peculiarities, both natural and acquired should be well understood by Physicians. — Some people cannot bear the taste of sweet things — We should, therefore, always prescribe in the presence of our patients, and inquire into their habits of diet & drink — It will save delays & trouble. —



Habitual diseases should be inquired into. — In chronic cases, inquire into the diseases of ancestors — We should look back beyond the second generation —. Consumption swept off several in ~~Virginia~~ a family in Virginia whose ancestors had not been affected by it — The same thing occurred in Pennsylvania Age should never be overlooked —. In acute diseases go back a week or two in your inquiries — In palsy & fever or two — Except in penery in Gout the may occasion Gout, dropsy & melancholy in old age — In Law recourse must be had to relatives for information. — To inspire confidence as far as religion, reason, & truth will permit is necessary in the practice of Physic, and of the utmost importance. Be very circumspect in the presence of your patients; — Dr. R— once told a gentleman for his consolation, that he had known but one to die of his disease. — It had quite a contrary effect; as the Gentleman informed him afterwards —. Remember general predisposing debility — it has cleared immense rubbish from the science of medicine. Attend to the occurrences of this debility in diseases — there is your time to ply medicines — patients are apt then to think they have least need of them, and sometimes omit them

till a paroxism comes on, when they may do harm — debility is not confined to the form=ing stage, alone, of diseases —. Convalescence requires particular attention — Nurses and friends often interfere to the disadvantage of patients —. Many sick people have been snatched from the grave by phy=sicians maintaining their authority. It is sometimes necessary to do nothing but watch over patients; or give bread pills to those who think they must take medicine. — The Scurvy has been cured by colored water; &c, — Choice of Me=dicines. All diseases may be cured by a few — this will make us understand their action better, & save much trouble in practice. A Lady in England was bled by a sur=geon — an effusion of blood taking place in the cellular membrane, another surgeon was call.d in, who told her it was of no consequence —. this was not satisfactory — a second was call.d, who told her it was nothing but a little effusion of blood; and gave her a lini=ment to apply to it — but this did not satisfy her — a third was call.d in, who said "It is an Ecchymosis, madam!" This was sufficient he was accounted the best surgeon; and the others knew nothing! we should give a name to

very disease, Gentlemen, — it is necessary to the establishment of our character as Learned Physicians! A name is always looked for.

January 8th. Lecture 48th. Manner of using medicines — The object of medecine is to equalize excitement, and obviate subsequent debility — Dr. Cullen begins with stimulants first — but this is improper — we begin to cure first with depleting remedies — Bloodletting, cold air, water, ice, &c, — Hiccough is cured by cold water, owing to its abstracting stimulus. — Fresh & salted food — Salt meat is less nourishing than fresh — A total abstinence from food is sometimes necessary — by thus abstracting stimulus — a stimulus may afterwards be used which will overcome the stimulus of disease — Diseases have been cured in this way, without any other means — It abstinence favours the action of stimulating medicines. — Darkness abstracts the stimulus of light — Silence the stimulus of sound — thereby favouring the action of other stimuli. — Excitement should be gradually abstracted, or lessened — It thereby gives the excitability time gradually to expand itself — Dr. R. believes in the doctrine of specific action of stimuli. Different stimuli act on different parts of the body — In the treatment of diseases, the stomach should be considered as the regulator of a watch — Some poisons by entering the stomach are taken

into the blood. - vide Smith on this subject.
Cathartics - after a large dose much less will be sufficient - the bowels being left more irritable. No solid food should be taken by the patient whilst under the operation of a Cathartic. Cathartics should never be given in cases of direct debility - It is better to encourage costiveness. In diarrhoea & in the first stage of dysentary, they should be omitted? - vomiting may be excited, first by tickling the fauces with a feather - warm water, &c - secondly - by such medicines as act feebly: as Ipecacuanha, &c - thirdly - by such as act powerfully, as tartarized antimony & Turbeth mineral, &c after Intoxication, and after taking Laudanum the first is preferable - that warm water dilutes the contents of, & distends, the stomach. - For discharging bile the 2d is preferable - For dyspepsia the 3d is to be preferred - as Tart: antimon: - also in cases of head ache, proceeding from a disordered stomach - It has sometimes cured ophthalmia & tooth ache - Bubo was once cured by it - Dry skin relieved by an Emetic of Ipecacuanha - They should be given

in divided doses - If we wish them to act speedily & powerfully, we should give no liquid after them - Water weakens their action never give water until it has operated once. Emetics act more speedily in the morning - To stop them give a few drops of Sandhum salt, &c, They are improper in congestions of the brain - in the first stage of malignant fever - In the last stage of pregnancy &c, C Diaphoretics - Those applied to the skin; as pediluvia, vapor, air, hot bricks, confining the head under the bed cloaths, &c, Exercise, & cold water by reaction - cold water in succession to warm - vomiting &c, Nitre taken into the stomach - The stomach is a surface of the body as well as the skin. vinegar, smoke, wine, &c, act upon the blood vessels in inducing sweat. of this, more hereafter. A Chancre was cured by sweating. - The shirt of the patient became so rotten that it could not be washed without tearing - One class of diaphoretics may be proper in one season and not in another. Lying in bed with flannel next the skin favors the operation of sweating. Attend to the heat of the body - sweating cannot be excited above 108° Fahr. here

cold water answers the purpose. In highly inflam=
=matory diseases, diaphoretics are injurious-
Linen should be frequently changed or it
will again become the remote exciting
cause of disease-. Diaphoretics are injuri=
=ous when they debilitate without afford=
=ing relief— —.

January 10th. Lecture 49th. diuret=
=ics- cold air,- Dr Sydenham frequent=
=ly took his patients out of bed, and expo=
=sed them to the air-. Cold water ap=
=plied to the whole, or a part of the body-
when the body is heated these remedies are
indicated. Fear, climing stairs, abstinence, going
into a cellar, noise of liquors flowing from
barrels into cups, &c, we should use these
remedies when they have an effect on the
body,- as they have peculiarly on some-
The good women excite pleaking water in
children by applying an onion cut in
halves, to the pubes- other diuretics are
salt and cream of tartar, fox glove, parsley
&c, &c,- In dropsy all cases may be used
alternately with success.- Iron is proper
in the atonic dropsy; and other

cases where there is no inflammation. Sialagogues - some are confined to the parts near the parotid glands, as Tobacco, Ginseng &c. - some act on the whole system as Mercury -. Apthæ in young children is an attempt at spontaneous salivation in small pox -. It has been said that salivation is an unnatural remedy; but in adopting it we imitate nature - Maniacs salivate, which shews to be an attempt of nature to cure - therefore it is strange we should not sooner have thought of salivating in that disease -. There is sometimes a spontaneous salivation in small pox - Nature often attempts a salivation in the last stage of consumption -. Bloodletting acts as an auxilary in salivating by lessening morbid excitement, and allowing the mercury to act - for when the system is labouring under great morbid action, it must be reduced before the mercury can act - Mercury sometimes acts sooner by being combined with opium. Cold water aids it to act - Dr. R. has found it to act well when combined with Nitre - as in the form of his antimonial powder - Emetics sometimes aid the operation of sialagogues

Ptyalism may also be induced by mercurial friction — and when calomel fails, Turbeth mineral & corrosive sublimate should be substituted — . Calomel should be given in the food of children, as on bread & butter, &c. — Spitting is not always a necessary symptome in the cure of the venereal disease — When mercury acts to excess in salivating, it may be restrained by bloodletting opium — rubbing the throat all round externally with sweet oil — blisters, &c.; the mouth may be washed in a solution of sage tea, & honey — green tea, &c — Mercury is a disagreeable remedy but divines tell us we cannot go to heaven on feather beds —
Mercury has been objected to on account of its making the mouth sore — but it should be remembered that the first sin was committed by the mouth in eating the forbidden fruit. — It should also be recollected that swearing & profaning the name of our maker, as well as calumnies upon our brethren, issue from the mouth. Let no one then complain of the operation of mercury upon the mouth! —

Expectorants — 1st demulcents; as liquorice, flaxseed, & brown teas, barley water, &c. 2d Emetics; & nauseating drugs; as Ipecacuanha, & squills, &c; 3d smoke of bees wax & rosin, &c. — The following is said

to be an excellent expectorant - Take of Sarsaparilla each half a pint; put them in a quart vessel, fill it up with boiling water, & receive the steam thro, an inverted funnel - Blisters are of two kinds, such as act slowly as cantharides, and the inner bark of some trees, &c, and such as act quickly; as boiling water - a piece of flannel dipt in boiling water will raise a blister, in time of urgency, in five minutes - an example of an urgent case is when a person is attacked with violent pain in the stomach, difficulty of breathing &c, Blisters to the head should be kept applied 24 hours; because there they only ooze out, and do not raise like other parts of the body - They are forbidden in cases of great morbid action - and also in very great morbid action. There is a blistering point - which is generally in a Typhoid state of pulse - They are useful in some cases of strangury - but in irritable & habitual strangury they should be applied with caution. - Errhines - are a remedy which nature points out - Sneezing in the last stage of malignant fever is a favorable symptoms - Errhines are usefull

in diseases of the eyes & ears, in Catarrhs, &c. weak eyes are frequently cured by snuffing — Dr. Rush once cured a patient in Scarlatina by a pinch of snuff — The patient appeared to be in the last agonies of the disease — Observing a snuff box on the table Dr. R. applied a considerable quantity to his nostrils — a running soon came on, followed by sneezing, and a copious discharge of mucous that had been lodged in the sinuses — This was 6 — at 12 he was able to walk about. Emetics should never be given when the bloodvessels are full & active. — They would be good in some cases of sore throat. Issues lessen the fluids of the body by discharging pus — are useful in local congestions as substitutes for long continued discharges &c. Setons & perpetual blisters are the most common issues. — We come next to speak of those remedies whose actions are directly stimulant — Stimulants & Tonics both act by converting excitability into excitement — Sedatives — This is a wrong name for these medicines they are powerful stimuli, which destroy

excitability or irritability - Inflammatory rheu=
=matism, & some other diseases of high action,
have been cured by highly stimulating reme=
=dies - but they are dangerous - It is like
breaking hinges, instead of turning a key, as
by depletion - If stimulants depart full=
=ness & slowness to the pulse they are per=
=fectly safe - but if they cause fulness
in the head, pain, quickness in the pulse,
&c. they are not proper & must be laid aside
5 drops of Laudanum at the beginning of
a fever will have greater effect than 50
at the end; when the excitability is worn
out. — In tetanus without fever bleed
=ing is forbidden - Wine, opium &c.
are then proper. — You may give a
patient in Pleurisy a night's sleep on
the 3d. night: when he has a cough &c.
by from 5 to 10 drops of Laudanum.
If you give 20 or 30 drops you will
increase excitement, & perhaps have to
bleed again — He should avoid ad=
=ventitious stimuli; as conversation,
light, &c. - Some medicines combined
will cure, when they would not sepa=

=rately — use stimuli in rotation when they loose their effect — and when you have exausted the whole catalogue, begin the round again. Liquid Laudanum will do good when solid opium will not — and vice versa —. In chronic diseases it is proper sometimes to lay aside stimuli altogether for a while, and then try them again.

January 11th. Lecture 50th.

Saccharum Saturni has been used with success in the cure of hæmorrh=age; where bleeding failed. In Fetaness pervading the muscular system and not the arterial, you may bleed in vain — The strongest stimulants are necessary to destroy excitability and restore excitement. In the first stage of acute diseases, begin by small doses of stimulants? The jail & yellow fevers have been said to be the same; and the same remedies have been used — but they are different — weak people being most liable to the jail fever; while

those of gross, full habits are most subject to yellow - hence stimulants are most proper for the for the former, & depletion for the latter. Stimulants should not be combined together - they should be used in succession and rotation - they should be intermittent now and then -. Change the part of the body for applying them & after they fail in the stomach, try the rectum, skin, &c, Tobacco, from being chewed in one side of the mouth and will produce sickness when chewed on the other - hence Clysters are of service when the stomach is affected - Opium also, and bark may be given in injections, or applied to skin. Electrical shocks pass? thro. the ~~bowels~~ breasts of fowls, have restored life after they had been kill? by shocks of the same fluid thro. the head - It must have been in this way that opium has restored to life patients who had before taken it to destroy themselves; - for I believe says Dr. Rush that it would have increased the complaint if applied to the same organ. - Always remember the 4 Temperaments -. In the San-

=guine temperament use stimulants ~~only~~ early and with caution. observe the same thing with respect to the nervous. In bilious, take care not to increase the acrimony of the bile, &c. a little castor oil has opened the bowels after strong purgatives have been given in pain=ful sounds cannot be communicated with=out vibration, so it appears with the stomach; the strong purges prevented or overcame the vibration. Stimu=lants should be given in the morning. The same medicine should be given at different times differently prepared. this is important. A preparation of hogs lard & tar cured a chronic leprosy which pervaded the whole surface of the body, after every remedy which could be thought of had been tried in vain hence we see the successful application of simples. and many account for the occasional success of Quacks; perhaps the hogs lard & tar, without the previous remedies, would have had no effect.

Inquire into the previous remedies which have been used, when you hear of a remarkable cure. A headache is sometimes cured by a diarrhœa. pain may be relieved in one part by exciting it in another.- patients under amputations should never be forbidden from crying out. Soldiers bite bullets to lessen the pain of a whipping- the nux vomica was prevent=ed from acting in a dog by whipping- I would sometimes recommend this, says Dr. R.- Here we must remember that but one impression can be felt at one time. Two, to be felt, must be equal.. Impress=ions, however pleasurable were originally painful- hence the necessity of changing medicines- It is time to change a medi=cine when it becomes agreeable to the patient.- Remedies for preventing, or removing the predisposing cause of disease or debility.- Dr. R. has call'd them to==pics- they should be given in small doses, for fear of weakening the stomach. Aliments are preferable & should be given 5 or 6 times a day- the stomach should never be full nor empty- it is like

a school Boy; when not kept busy it will be in mischief — Full meals should be avoided as so much poison, in these cases — Eat vegetables first — next oysters — then fresh, and lastly salted animal food — Salt meat as a tonic is to be preferd to fresh — Fresh meat will produce fat, while salt meat will produce flesh. — The quantity should be small in cases of debility for much produces plethora —. One kind of aliment should be kept to at times only — Many cures have been performed by a homogeneous diet — as boiled turnips, carrots, &c,. Bread & milk has cured the Gout — Consumption has been cured by the juice of the sugar maple — oysters have cured viscera obstructions Epilepsy, fat, &c. has been cured by a diet of pudding made of skimmed milk & eggs — these are important facts —. Drinks as a part of aliment — Malt liquors, sherry Madeira, Lisbon, & Teneriffe wines. — I shall not mention spirits, says Doctr. R. — better die of the original disease than contract the habit of using any of them! Warm, & cold Baths.

the latter prepares the way for Tonics, by converting excitement into excitability. The warm bath prepares the system for the cold they should be used frequently — Exercise or friction is necessary afterwards. It has an influence, not only on health, but on beauty. Rocking, swinging, sailing, riding on horseback &c. — The Bolooo may be an useful exercise at some future day —. Walking for slight indisposition may serviceable, but never before breakfast, &c —

January 12th Lecture 51st. — Habitual debility is often removed by change of occupation — change of dress — of diet — of situation: by traveling — change of climate.. These two last particularly remove nervous debility. Change of Country has fix. loose teeth firmly in their sockets — and replenished the head with hair — made sheep breed that were sterile. Always advise weakly people to go early to bed. — Flannel or cotton should be worn next the skin in all cases of debility. Weakly women should wear drawers and thick shoes. In cases of debility, tight ligatures should

be avoided. Steel & Bark are the most pro-
-per remedies in simple debility. In some
cases of nervous debility, in sober men
getting drunk a chance time, or so, has
been serviceable. It is of great impor-
-tance in ordering tonic remedies, to
make provision for adventitious morbid
action - as taking cold, &c, when the
patient should quit them, and even per-
-haps take some debilitating medicine.
Dr. R. suspects we use too powerful stimu-
-li, at first - in palsy, i.e. in recent cases,
slight friction has been more useful at
first. Tonics may be applied 4 ways. 1st.
by the mouth, 2nd. Clyster, 3d Nose, & 4th Sen-
-tient extremities. - The mouth is the best
way for bark, steel, &c. the nose for Cam-
-phor, &c. Anus for opium, &c. - Magnesia
will cure morbid acidity in the stomach.
vegetable alkali, &c is said to destroy cal-
-culus - Mercury is said to unite with
the venereal virus - this is highly pro-
-bable. - Medicines which remove ob-
-structions - Obstructions are disorder-
-ing however react, & cause disease -
Steel has removed scrophula - It has
been cured by fear - in this way

the Royal touch acts. Beddoes, frictions airs are ineffectual - his patients always relapsed afterwards & died. Those airs only prepare the way for tonics in consumption, &c. - to only do digitalis, & salivation -. Opium cures diseases of moderate excitement, by exciting a different action - Large doses of opium dispose, by its stimulus to effusion - and we should prepare the body for its use, in cases of great excitement by Bloodletting -. Warm water is an anodyne - pediluvium has relieved pain. friction has cured belly-ache in children. Fear eases pain - as do poultices, &c. - Metallic Tractors induce ease like counting 100 backwards, - they induce a new action, or divert the attention from the pain. The whole knowledge in procuring longevity, is in applying stimuli in due proportion to the excitability and excitement -. apply diet, occupation, &c, &c,. to the different habits as best suits them - All remedies are relative in their effects; owing to the varying states of the system - for instance the soporific anodyne, opium, will cause wakefulness & pain in certain states of the system - ~~for instance~~ No medicines are proper in every ~~state of the~~ disease. They must be varied ac-

=cording to circumstances – to do this is the Therapeutic art. –

January 13th. Lecture 52d. – We come now to the application of physiology, pathology, & Therapeutics, to the practice of medicine. This is the most important branch of our science. Dr. R. has been compell^d. to reject nosology – it is injurious to the practice of medicine. It is erroneous for 2 diseases are never alike – they change in their forms. Diseases cannot be divi=ded in their causes; remote, exciting, or proximate. A person in languor, a little chilly, &c, requires the same remedy, whether his disease be in=clined to Gout, Yellow fever, or pleurisy – namely, a gentle & equable stimulus; as predile=vium. Darwin's theory is liable to the same objection as Cullen's – for no diseases affect politics, association, &c, exclusively. Dr. R. divides the body into systems; as arterial, nervous, viscerial, &c, and arranges diseases ac=cording as they affect those systems. This arrangement he acknowledges to be imperfect, but thinks it better than Darwin's, or Cullen's. Science is like an Cel-forming theories is like hold=ing it by the tail. Disease is an Unit – Think not that less attention is necessary after, thus simply=fying diseases – It is even necessary to observe them more closely than nosology acquires – The same dis=ease will require different, and even opposite medi=

=cines in the same day; which prescribes to the names of diseases never give. The seats of dis=eases demand attention. For morbid excitement in the brain is much more dangerous than the same degree in the joints or muscular parts. A disease is that state of body in which the functions are performed generally with difficulty. We first begin with the disease of that system of the body call. arterial; which is improperly call. fever - for fever signifies heat, and there are fevers without heat - fever consists in morbid action of the bloodvessels - the proximate cause is ipse morbus - the disease itself. Morbid excitement alone constitutes dis=ease; for some diseases have no apparent marks

States of fever. Malignant, Gangrenous, Sypo=che, Bilious, Typhus, Typhoid, Synochoid, Sy=nochula, Hectic, Febricula, Intermitting, Sweat=ing, Fainting, Burning, cold & Chilly, Intesti=nal, &c, &c. — Premonitory signs of fever — Lassitude, &c dulness; defect, or increase of appetite; which shows itself in artificial substances, as Tobacco, Coffee, &c. Excess or defi=ciency in the quantity of Urine — Costiveness or diarrhea — Unusually dry or moist skin - or cold or hot. disagreeable, or unusually correct dreams. In chil=dren crisp, or dry hair — putting the thumb in the palm of the hand — dry tongue — headache, wate=fulness or drowsiness. In cats the hair stands on

cuch &c. Treasure up these symptoms.. Remedies proper in this state - 1st Fasting - diluting drinks - 2d Rest - which consists in relaxation from work & study - going to bed - 3d gentle stimuli - as pediluvia - gentle emetics - balms, chamomile, sage, &c teas - warm bed. a salt herring is given in Holland to excite thirst - for diluting drinks are useful - Dr Currie, of Liverpool, cured many by pouring cold water on his patients - this is only safe where stimulants are proper? 4th gentle purges - 5th gentle vomits 6th venesection - cold air & water, &c.. we are told that malignant fever was prevented in virginia & the West Indies by Bloodletting. . . . . .

January 14th Lecture 3d. Yesterday says Dr R. pointed out the disadvantages of Nosology. In Epidemics there can be no discrimination. Our attention must be directed to one disease. - In Epidemics there are sometimes as many seats of disease as there are viscera. Nosologist admit as many diseases as there are local affections -. In the years 1793, Dysentary, Rheumatism, colic, efflorescence on the skin, bubbos, &c, &c, all occured, and were supposed by some to constitute so many diseases; when in fact but one disease prevailed.. There is an inconsistency in the Nosologists - they admit of misplaced Gout - why not of misplaced fevers? and if of misplaced fever, why not of Epidemics? and of one disease? In our last lecture we mentioned the medicines proper in the forming state of fever - we come now to those that are proper after the fever is formed -. Such as lessen excitement - Evacuants - Bloodletting, vomits, purges & Glysters, sweats, salivation, & lastly Blisters... Bloodletting to lessen excessive action, - induced by suppression of urine - of perspiration, &c.. A plethora being thus induced - when the system is oppress? an equilibrium is restored by Reflection. It is indicated by the habit of the patient - by the proximate cause -. It is not an unnatural remedy, as has been said -. Who would trust nature, when half a pint of blood drawn by art might prevent a preternatural ac-

=moorhage of 2 Quarts?. A fever is seldom cured after the first paroxysm. Physicians may save life but not prevent the course of disease & but a copious bleeding in its forming state will cure it -. Bloodletting checks nau=sea and vomiting in malignant fevers - renders ven=ges more effectual - prepares the way for salivation checks profuse sweats - renders the pulse more fre=quent when too slow; & vice versa - removes a dry=ness and blackness from the tongue -. The tongue has become moist while the blood was flowing - It prevents the effects of torpor on the absorbents. It lessens pain in every part of the body - prevents chillness - checks sweats, diarrhoea, &c. after astrin=gents have been given in vain - It removes co=ma, &c. abscesses on the Liver were formerly common - bloodletting has removed it. Dr. R. has never had but 2 cases of it. It prevents the gangre=nous state of fever; but not the chronic state, as Dr. R. once thought -. There are times when the chronic state of fever is epidemic & blood=letting will not prevent it - timidity & not temeri=ty ought to be ascribed to bloodletters -. Bloodletting pre=vents prolapsus -. It has been forbidden in hot cli=mates, but this is a mistake - being born in a warm climate often renders it more necessary. It is sometimes more necessary in weak than ro=bust persons - the weak would throw more of the car=go out of a weak than a strong vessel in a storm at sea - strength is not a disease. The business of a physician is to prescribe for morbid action - It would be as absurd for a physician

to govern his prescriptions by the strength of his patient, as for a Taylor to make the cloaths of a thick man larger than those of a pauvre diable. Infancy & childhood are no objections to bloodletting. Instance Dr R.'s own children —. Old age is no objection — It is more necessary — Batallus recommended it 100 years ago — The system becomes plethoric between 50 & 60 —. The period of menstruation does not forbid it — we ought to bleed more freely at that time — also in pregnancy — Fainting after bleeding is no objection — Neither is sweating — Neither is sweating, but it is a loud call for it, when profuse —. Dissolved blood, and blood devoid of inflammatory crust, has been considered as an objection to bloodletting, but this is a great mistake — an undue proportion of serum is no objection; nor are petechiæ on the skin — the long duration of fever is no objection, instance a young man who was bled 6 times after the fever had continued 20 days — By forsaking nosology we are led to attend to the disease — The name nervous should be banished from the nomenclature of diseases.! — Cullen considered nervous diseases as most important. — Women who die immediately after delivery die of syncope & not from loss of blood. — January 15th Lect 54th Bloodletting continued. Few people censure copious V.S. in pleurisy. Unity of Disease, no matter what the remote cause is the morbid action requires the same remedy. — As in a storm aleak ~~at sea~~ in a vessel at sea, the danger is the same whether

whether the wind come from the east, west, north or south or whether the leak be on the larboard or starboard side so V.S. is as necessary in bilious, malignant & fevers as in pleurisy. —

Purges are useful in the early stages of diseases but often dangerous in the latter.

Vomits are useful in diseases of a mild character, but are unsafe in many diseases - especially where there is great determination to the head.

Sweating is an uncertain and sometimes a dangerous remedy.

Salivation is too slow for malignant fevers is uncertain. &c

Blisters are useful in cases of topical inflammation - but in violent inflammatory fever, they are like attempting to bale water from a ship with the palm of the hand instead of 2 or 3 pumps. —

Abstinence acts by directly abstracting stimulus, but is often of little avail. —

Bloodletting has many advantages over all these - it may be applied as soon as you like in any quantity suited to the state of the patient, &c. It is useful in the Synocha pulse; as in pleurisy, &c. in the slow heat tense pulse, as in Hydrocephalic state of fever - in the soft pulse without frequency or fulness, as in

some diseases of the brain, & peripneumonia notha- in the depressed pulse - in short in almost every kind of morbid pulse. In feeling the pulse we should pay more attention to the fullness, tension, and quickness of the pulse, than to the frequency or number of strokes: In cases of disease which were immediately preceded by good health, bleed- ing is generally proper - Vsection should be governed by the reigning Epidemic, the season of the year - It is most necessary in dry summers - the constitution of the patient, his habits of bloodletting, and the climate he came from, should govern the use of the lancet: Regard should be had to the part diseased, as in inflammation of the brain, testicles, bladder, rectum strangulated Hernia, & opthalmia - those parts being more important, or more out of the parts of circulation, require more copious Vsection - pay attention to the blood - dissolved blood occurs in the highest state of malignant fever - if it appear in the early stage of disease instead of forbidding, it calls loudly for Vsection, that the people may recover their tone, &c. When it forms a cup like a sand box the action is inflammatory. - The blood is usually sizy when it is of a Claret color while flowing - Quantity of blood to be taken - this depends on the degree of morbid action - In health the whole 25 pounds

of blood are necessary to the support of animal life – but in morbid action, sometimes the 1/4 of this quantity is sufficient for its support – as, in inflammation of the eyes and ears, less light & sound is sufficient to the hearing of the patient –. Sometimes when the blood is abstracted suddenly, and in too large quantity, the system will not react, and the patient dies – this may be happily abviated by small & repeated bleedings – the system reacts and will bear a greater loss of blood – The part where to bleed, is of little consequence. Sometimes arteriotomy might be better than venesection.. The time when, is always when the pulse calls for it – In intermittents, venesection should be performed during the paroxysm, hence we should attend our patients spell. Dr. R. utterly disclaims this theory of bloodletting as being originally his.. He only revived it in this city – And he hopes his pupils will forward its exertions – –

Jany 17th Lecture 55th we come now to consider those states of fever, wherein bloodletting is forbidden; or must be cautiously used. It is forbidden where the stimulus is so sudden & powerful in its action, as to prostrate the system below reaction – here the action & circulation is kept up merely by the blood in the vessels – and bleeding would accelerate death – the first thing to be done in such cases, is friction & gentle stimulants – as wormwood, &c. afterwards we may begin cautiously with bloodletting – thus if you are called in to a patient that has fainty fits, or symptoms of a scorbutic exite the system before you bleed; then begin by taking a few ounces.. Bloodletting is forbidden where the pulse is very low, and the Brain and

other viscera engorged - excitement suffocated, as above stated - V. section is forbidden in malignant fever after the 3d day, if it be the first time of bleeding - i.e. if the patient have not been bled before - Gentle purges, Blisters, & Salivation are the best f. If you have bled before or purged freely, and engorgement is prevented, you may sometimes bleed afterwards. In Cynanche maligna, when the pulse makes no resistance, though full, (i.e. Typhus) you must not bleed; except at first. Use cordials, blisters, &c. V. section must be used cautiously in drunkards; - though their arteries are in violent morbid action, it is a mere soap-bubble - soon vanishing - we should use purges, sweats, &c.: the pulse and blood must not govern us in respect to V. section in old people - Other circumstances must govern the use of lancet - Never forget, gentlemen, says Dr. R. the change which takes place in the pulses of old people. In some cases of plague, attended with morbid - torpor, imperceptable pulse, &c. the actual Cautery applied to the arms & legs, was the only effectual remedy - blood-letting was always fatal - purges & Salivation did service -. In some other similar torpid cases, the sensibility was restored by first washing in warm water - whipping the legs - then applying ligatures below the knees, ~~and tying the~~

~~bl~~ making longitudinal incisions below the knee, and discharging the blood in warm water... This torpor, in the yellow fever in a Lady of Philadelphia, was removed by a candle falling on, & burning her breast badly. Bloodletting should be prohibited in cases of ~~[illegible]~~ external ~~inflammation~~ determination, as phlegmon, after the suppurative process has begun & it retards suppuration. However in suppurated breasts, &c. when the whole system is excited into an inflammatory action, bleeding is necessary. Vomits are useful in cases of moderate fever - Cynanche trachealis - &c, &c, - To be effectual, they should be repeated 3 or 4 times a day - or they will be like the Indian sleeping on a single feather on a rock, and taking it as a criterion to judge of the softness of a feather bed -. Cholera Morbus is a bilious fever cured by nature, and we might, probaly, often cure bilious fever by exciting an artificial cholera. The Antimoniated tartrite of potash is the best emetic; but remember the superiority of venesection in the cure of fevers. Purges are good in bilious fevers - Calomel & jalap, or rhubarb, are the best purges in bilious fevers. Salts, castor oil, senna, &c. in other fevers -. Scammony is a good drastic. Nauseating medicines should be given 3 or 4 days together.

Warm bath is a doubtful remedy - if it do no good it always does harm - it fatigues the patient. Cold Bath is more doubtful -. The ablution of cold water is much better. A great load of bedcloaths in the beginning of a fever is often useful. Moving a warming pan over the patient half an hour produces a copious sweat - as do jugs of warm water applied to the feet, legs, thighs, &c, putting head and all under the cloaths will induce sweat; but the patient should put out his head as soon as difficult respiration comes on -. Bloodletting is a more delicate remedy. Ablution of cold water accelerates the action of mercury - Dr. R. was calumniated for this practice, but he was authorized, both by other practitioners, and ~~other practitioners~~ by success -. Where Calomel fails, turbeth mineral, and corrosive sublimate will salivate. Calomel may be given to children on bread and butter -. Remedies which abstract stimulus. 1st. cold air - in cases of weak pulse and cool skin it is always dangerous. In fevers, take the patient out of bed, or oblige him to sit up, or lay but a sheet over him, when his skin is hot and dry, & his pulse firm. 2d. cold water - to be used in similar cases. pounded ice applied to the head in a blad=

der is a good remedy in some fevers – it is not so safe when applied to other parts – but is never dan=gerous to the head; as heat mostly concentrates there –. Abstinence is good in fevers – rest abso– apple water is a good drink in fevers; as are all diluting drinks – apples should not be roast=ed to make apple water; but pared and sliced thin, and boiling water poured on them, dried apples will do nearly as well as fresh ones – Nitre always renders the pulse slow=er – it is not good in bilious fever. Soluble tartar and sal. Glaub are better –. Ipecacuanha may be substituted for tart: emetic, when the latter is inconvenient. Lenka snakeroot is a vegetable antimonial, or nauseant. . . . Sugar of lead lessens arterial action – as it is said, does Digitalis – Dr. R. does not recommend these two last –. Section is preferable to reduce arterial action. – Sweet oil externally applied, in plague & synocha fever, has been used with success; though some say not – it is useful in local in=flammation, as rheumatism, &c. . . There are other methods of reducing great morbid action; Capt. Cook was cured of Rheumatism by friction – I has been cured by hard labor –. Indians cure great morbid action, as rheumatism, &c. by hang=ing by the arm or leg affected, or a limb do

fence – Indians also expose themselves in hot ovens, and then run and jump into cold rivers to cure fever. Dr. R. thinks this has succeeded only in the forming stage of fever; – that by this experiment, excitement was converted into excitability – this mode of practice is violent to the constitution and to nature – it is a great deal worse than bloodletting – and may be one reason why Indians so soon look old. – –

January 18th Lecture 50th. Typhoid state of fever. It is the jail and puerperal fever of authors –. Hurum has described it under the name of Nervous. Dr. R. has seen it bear 2 or 3 bleedings – the puerperal fever is a true Typhoid fever or intermediate state between synocha and typhus. Typhoid fever was once prevalent in Philadelphia; but is seldom seen now –. It differs from Bilious fever in occuring at all times – it arises from human and the bilious fever from marsh miasmata; the bowels in typhoid fever are but little affected – there is but small disposition to sweat –. Yellow fever sometimes assumes this form –. Typhoid fever often requires medicines of opposite natures – sometimes it requires bleeding, – at others, stimuli – If the pulse be full at first, a gentle bleeding is best –

as it prepares the way for cordials. Emetics in the begining of typhoid fever, repeated every 2 or 3 days, act almost as ~~specific~~ specifics in unlying the typhoid knot. Where these are objected to, nauseating medicines should be used. — Gangrenous state of fever is known by the hæmorrhages from the mouth, nose, uterus, bowels, &c. It sometimes follows inflammatory fever, sometimes occurs in yellow fever. — It is called the adynamic state of fever, is sometimes caused by the improper use of stimulants. Low typhus fever is attended with low pulse, furred & faultering tongue. It sometimes follows inflammatory fevers, and sometimes is original. Dr. Robinson had unparalled success in the treatment of this fever, when the patients were brought into the hospital in the typhus state, by giving Bark in large doses. A number of external & internal stimuli are given in this disease. When one fails, we should take them in rotation. At the begining of this fever, if the excitability be not exacted, we should begin with the

mildest tonics; and gradually increase their ~~the~~ strength. But if the excitability be worn out, and should begin with the strongest, viz. Barbine is an agreeable cordial in this state of fever. it may be given largely in this fever, without causing intoxication. porter is preferred to be preferred. few should always order porter when malt liquor is prescribed. for reasons mentioned formerly. Volatile Alkali is a valuable remedy in this disease. it acts chiefly by its stimulus. Opium is a stimulus. is a valuable remedy in this disease. some stimuli act on the bloodvessels, as Bark, &c. some on the glands, and lymphatics, as Mercury, some on the nerves as Æther, some on the muscles, &c. But opium acts on every part of the body. An opium pill was given secretly by Dr. R. to a patient in typhus fever, who had tremors, &c. with the happiest effects. This was at the commencement of his practice, and he has since used, and found it an invaluable remedy. Sleep may be procured often by 5 or 10 drops of Laudanum, when 40 or 50 would have kept the patient awake. When the patient is wakeful after a dose of opium, it is often caused by the dose being too large than too

small.. When you prescribe bark in this disease if called in early, give the infusion.. Mercury is a stimulus; and is useful in this disease.. too much cannot be said in favor of pure air in Typhus fever - but not cold air - the latter is dangerous - the room should be ventilated - the bed without curtains - and situated in the middle of the room - remote from the walls. —

January 19th. Lecture 57th - we resume the subject of typhus fever - when the patient cannot be removed into pure air, the air should be purified, and all causes of offensiveness removed. Fires are useful; and where there are no fire places make it in the middle of the room, and the smoke will ascend.. Where the stools are offensive, discharging them in cold water will prevent the offensive vapor. Ground floors are useful in preventing contagion - they absorb it this kind of floors was introduced into the military hospitals during the revolutionary war, by Doct. Fitton, and was found to be very effectual. Smoke is a preventative of fevers - the deflagration of nitre has been used for purifying fever wards. Anger has affected a crisis in this state of fever - as likewise has fear - but hope is the cordial which we have most in our power, and which should be very neatly exhibited.. we should

always relate agreeable circumstances - such as, other people who have been dispaired of, or very ill, and have recovered, &c. - but we should also inform them, with a steady countenance, of their danger - as it is best both for their temporal & future affairs. Dr. R. thinks it is best to have the will made for if it be not, the patient continually thinks of it; and with it associates the idea of death. while we are pacifying in medicines per os, per anum, we should not neglect other applications - as cataplasms, blisters, warm water, cold water, this last the, is doubtful in this state; - Caustics, as they cause more inflammation and greater subsequent discharge, are very good in the lethargic state.. Aliment in typhus fever - animal food has been condemned, in this state of fever as tending to putrefaction - but Dr. R. has cured it by indulging his patients in ham, chicken, &c.. The appetite should not be allowed to regulate the quantity in this state of fever - for patients often have no appetite when food is proper, & vice versa. patients should not set up in this disease - they should be confined to bed. Purges are often dangerous; for the patient sometimes dies upon the abstraction of the stimulus of the faces in the low state of this disease -. The urine should not be allowed to stagnate in the bladder - it

should be drawn off, if the power of the will over the bladder be destroyed? if the pulse be full, the patient may be allowed to sleep - otherwise not - for life is weaker in the sleeping than waking state - they should be attended to, during sleep, if possible - Dr. R. calls those forms of disease, states of fever - for they often change 3 or 4 times a day - & we should change the medicine accordingly; without the fear, or at least regardless, of being called fanciful - we ought indeed, never to prescribe for the name but for the condition, or state of the disease - If a physician could be always with his patients, and prescribe for every change, &c. it would be hardly possible for him to die!!! - Few books are to be depended on for the regulation of practice in fevers. - The State of the pulse, gentlemen says Dr. R. - The State of the Pulse. - I repeat it again ~~the State~~ - The State of the Pulse must guide us in all our prescriptions. - Dr. R. once taught, that Typhus ~~fever~~ fever was owing to the want of sufficient early bleeding. - But he now pronounces it - he believes it original.

many die after the fever is completely cured, because not properly treated afterwards, because not properly treated afterwards. patients are as much the objects of medical care after the disease is subdued as before - until a proper tone is restored. The state of the pulse is the compass from which we should never take our eyes, if we wish to steer our patient safely into the haven of health. January 20th Lecture 58th. Convalescence from fevers generally; but particularly from Typhoid & Typhus fevers. It is the rule in giving stimuli; to give them on if they make the pulse become full & slow - but otherwise they must be suspended - and when the pulse has been brought to fulness and slowness, we should suspend the stimulants; and give aliment to ~~sustain~~ maintain what we have gained. - There are six forms of Autumnal fever. a defect of appetite, &c, succeeds autumnal fever. Anasarcous legs - confusion of intellect - the moral faculty is sometimes impaired by it. A young lady was once in this City affect with autumnal fever, and in her convalescence, her moral faculty was much impaired - so that she would tell great falsehoods - the

was cured by exercise, cool air, &c. of her fibbering propensity -. This we should remember for the encouragement of relatives -. Cordials drinks - porter, &c. are very grateful to convalescents -. Chocolate is a good aliment - But we should be cautious in applying stimulants in that very excitable state of the system which succeeds disease - even the stimulus of good company has proved fatal -. In convalescence we should remove all empty vials, pill Boxes, bits of rags, plasters, &c. from the patients room - they keep up a debilitating association - Indeed he should be removed from his room where he lay sick - he should also change his cloaths - shave his beard - and as soon as he is able ride out -. But take care not to ride too long -. patients are apt to ride away from home until they get tired, and then have to ride all the way back again before they can rest. Huxams tincture is useful in convalescence; particularly from acute diseases - but never in chronic diseases, or as a chronic remedy - It creates a love for spiritous liquors. When convalescents have swelled legs, they should be rubbed upwards. Tumors have been discussed by stimulating applications, according to Pringle. Children often take on rapid growth after diseases.

Some people grow suddenly fat after diseases, or even while sick. The plague in London rendered some barren women fruitful probably by accumulating excitability & attend to this explanation. Hectic fever is often confounded with Intermitting fever - sweats sometimes succeed the chill of Hectic fever, but gives no relief. patients are chilly during the sweating. swellings often come on & go off suddenly. Sometimes (but seldom) consumptive patients have no fever - patients seldom complain of headach in Hectic fever, as the generally do in Intermittants. Abscesses in the body - particularly the joints - Menorrhagia - Leucorrhoea - obstructions of bile, &c cause this disease. It is as much insulated as any other disease - It is confined entirely to the Arterial System. No cure which may be entirely depended on, has been discovered! A milk diet is the best - occasional bloodletting, &c. Dr. R. has compared it to Hercules Shirt, which could not be cut nor torn off - but must be shaken off by riding on horseback. Bark, steel, swinging, &c. &c. have but little effect. —

Intermittent fever. The tertian appears to be the only original type of fever - Dumb ague, so call'd, is that state of intermittent fever, which is not accompanied with chills - or is it a remittent?

January 21st. Lecture 59th. - Intermitting fever was once incurable - Cromwell and King James died with it - In Spain, at the present day, they count its duration, not by days & weeks, - but by months & years - Most of the diseases of the hospital have arisen from ill treated intermittents - There are 2 Indications in the cure of Intermittents. 1st. To moderate the force of the paroxysm; and 2nd. to prevent its return - The chilly fit is shortest in the quotidian type - longer in the tertian - & longest in the quartan - Intermittents seldom occur in climates which are very hot or very cold. Bleeding is proper in intermittents during the paroxysm, when attended with pain. Purges are proper during the paroxysm - and gentle Emetics prevent determination to the viscera, by changing the action from centripetal to centrifugal - Laudanum may be given in the paroxysm when the pulse is Typhus - Bark has been given in this state, and properly - but Laudanum is generally sufficient - Some

physicians say they never wait, but pour in the Bark; and with great success - This may be strictly true in a typhus state, but otherwise must be wrong. This shows the necessity of attending to the state of the ~~pulse~~ system - It enables us to explain those facts without being ~~reduced~~ by them -. Mode of preventing a return of the paroxysm -. Liquid Laudanum given just before the fit is expected, will very often prevent its recurrence. Warm bath - but Dr. R. does not recommend this; he has seen it do harm -. Heating drinks. riding on horseback - Stramonium - Eupatorium Gentian and all the bitters - Terror, &c. The Eupatorium is prepared as follows - to 2 drachms of the leaves & flowers, add half a pint of boiling water; and give a table spoon full every hour ~~hour~~ -. It is a fine emetic, purgative, & diaphoretic - a vegetable Antimonial -. But Bark is the radical remedy for intermitting fever - the substance is ~~the~~ best. if it purges, add a few drops of Laudanum - if it constipate, a little rhubarb should be joined with it. It should be taken either in Milk, wine, or porter. Porter is a good vehicle - the taste of it so predominates that the bark does not taste disagreeably -. When taken in milk, it should not be suffered to remain long mix, with it, before taking it, or it will impart every thing disagreeable to it. It should be swallowed immediately. another way of preparing the bark is this. ℞. a pound of Bark - two pounds of brown sugar - and a gallon of water - let it ferment, and it will be an agreeable medicine -. If the

stomach will not receive nor retain the bark in any form, we must use bark-jackets, Clysters, and baths..
Bark was discovered to be medicinal by an Indian and introduced into practice by a Jesuit - It was scouted by regular bred physicians! by M. D.s! and revived by a quack! how degrading to science! no difference is necessary in the practice in Autumn and spring - always prescribe to the state of the pulse, or disease.. Attacks of disease are like squalls at sea which lay the vessel on her broad side - the best way to weather the storm is to cut the halyards - it prevents damage to the Hull! so bleeding and purging is cutting the halyards of the constitution; and the vessel rights! Intermittents appear sometimes in the form of cholera Morbus - Efflorescence - in the form of periodical blindness, &c. The most frequent form in which intermittent fever disguises itself, is dysentary - or febris introversa of Sydenham -. It should be treated as the disease of which it is a symptom.. Sometimes it requires bleeding - but the bark combined with Laudanum will generally cure it, when purges & Laudanum will be ineffectual - Intermittent fever and mild gonorrhoea have alternated - to have swelled legs, & fever. There is nothing so important as to be acquainted with the monarchy & mixture of diseases.. The effects of intermittent fever, are jaundice, - enlargement of the spleen dropsy, &c.&c. These are much less frequent now than formerly, owing to the use of the bark & Lancet -.
Febricula - is best treated first by Injection, then blisters, then opium.. - Sometimes all the forms of

fever occur in the same person. first he has had malignant fever, suffused eyes, &c. one bleeding has reduced it to simple inflammatory fever – another bleeding to intermittent fever – then after the crisis he had febricula –. What becomes of Nosology now? The maligant state of fever is when the whole system is prostrated – the system is too powerfully impress'd to react immediately –. The gangrenous state of fever is a highly inflammatory fever, which runs on to the putrid state –. Synocha is an acute inflammatory disease; as in pleurisy, &c. Synochus is rather less so – muscular action is not much reduced. Synochoid weaker still – Typhus, – Intermittent & Febricula –. and some have so.

January 22d. Lecture 60th. – We will often, or at least, sometimes meet with Typhoid & Typhus fever combined with pleurisy – Febricula & malignant fever combined in the walking state – and they will require bark & wine on the second day; or after the first bleeding; or after the first bleeding – this will teach us to lay aside the burthen of Nosology: and attend to the state of the disease – to see the patients often – and forget the name of the disease –. Critical days –. Not more than 1/4 part of the works of Hippocrates on critical days, is probably true –. In the equable climate of Greece diseases might have been similar in the times of crisis –. After the eleventh day, fevers put on the quartan type; and terminate on the 14th. 17th. & 20th. days –. Tertian is the only original type of fever.

Dr. Balfour rejects Hippocrates critical days, & adopts critical periods - which he ascribes to the influence of the moon - The moon influences the bile, tides, &c. hastens the putrifaction of meat -. Dr. Balfour observes that the full & change of the moon is always the worst - this was the case in the east-indies - and is said to be the case in South America - Dr. Jackson says 47 cases out of 60 of continued fevers terminated on critical days -. There must be then, says Dr. R. some ground for the doctrine - Death is sometimes protracted beyond them. ---

prognosis - embracing critical days and all other signs - Sore-throat was one year a fatal symptom, and another favorable - and so of hemorrhage from the mouth .. Black vomit - half closed eyes - and cold breath, are fatal symptoms in adults - but not always in children - for they are more tenacious of life -. Many men have died on the sight of black vomit -. We may judge pretty correctly of the violence, duration & termination of a disease, from the force and duration of the remote cause. If the disease were induced by an hour or two, fatigue, instead of 2 or 3 days, we may expect a slight fever. The more diffused a disease is over the body the better; provided reaction be not prevented -. It is unfavorable for the paroxysm to occur on even days - the also are apt to terminate on even days; & vice versa .. When a patient has

more pain, in a violent disease, after bleeding, it is always favorable; (as pain in the head after injection for vertigo,) though the patient thinks he is worse and ignorant practitioners are apt to join with him. When the wrist is cold and the hand warm, it is a fatal symptom. partial warmth & coldness are unfavorable. There are 3 natural appearances of the body which sometimes occur in malignant fevers and which uniformly presage a fatal termination; viz. a natural temperature of body - a natural pulse and a natural appearance of the tongue. patients have been known to deceive their physicians respecting the appearance of the tongue, by moistening it, &c. Half closed eyes in adults, except in dysentery, is generally a fatal sign - insensibility to cold or heat is unfavorable - as are tinitus aurium, and insensibility to blisters. It is favorable for the patient to look quickly round on any one entering the room. The Hippocratic countenance is unfavorable - it is a sharp nose and eyes - hollow temples - hard, dry, smooth forehead - cold, retracted ears - blue, or lived, and palish countenance, &c. - patients sometimes favour their ancestors after death, who have not while living. paraphrenia is unfavorable. aphonia more so. Hanging the lower jaw, and sliding down in bed, are bad symptoms - as are obstinate

costiveness, or involuntary discharge of faces. After a stillicidium of air from the bowels, which has contaminated the atmosphere of the whole room, if Crepitus come on it is a good sign - it shews a recovery of volun=tary power over the sphincter ani. Suppres=ion of urine is bad. Putrid or cadaverous smell is generally a fatal symptom. When the skin becomes suddenly soft after being dry it is favorable. A redness of a former blister or a fresh running of it, is favorable - a return of gonorrhea is a good sign. Hæmorrhages are fa=vorable in the beginning of fever - but fatal in the close of it. It is more favorable from the anus and kidneys, than from the liver and lungs. A priapism is generally a good sign. Also sometimes it precedes death - Haller once knew it to continue 2 hours af=ter death. Silent delirium is more unfa=vorable than talkative. A good temper in the beginning of fever is a good sign; and an irritable temper in the close of fever is also favorable - and e contra.

January 24th Lecture 61st. - patients when very low, have been recovered by exciting very strongly the desire of life - as in placing them on the shore of the Ganges at low water - when the tide returns, they crawl off by the power this excitement

affords - though they could not move before!
All fevers are more or less disposed to the tertian form; and we should give tonics upon the intermediate days - prognosis is always uncertain - patients will recover after all the bad symptoms - and die under the good - there is no fever without danger - not no danger so great but they may recover - When pressed for a prognosis - say, I have seen some who were worse, recover - and some who appeared better, die - this is the best hole to creep out at - we should never give a patient over - . Biliaous Stat of fever.
This appears in nearly all the forms of yellow fever - the pulse is synochus in this fever: i.e. full, round, but not tense. - Bleed if the pulse call for it - give vomits purges, &c. never force bark, &c on the stomach if it reject it - apply it otherwise - In inflammatory biliaous fever, blud, give mercurial purges, &c.... In 1798 a boy died of Y. Fever 10 days after black vomit had stopped - black vomit is generally preceded by a brown and then a black tongue - but Dr. R. has seen it with a natural tongue -
In one case of Y. Fever a man attempted to bite his attendants - If he had been bitten by a mad dog, it would have been ascribed to canine madness - this shews the unity of

disease -. One man complained only of pain in the calves of his legs - a girl of pain in her toes only -. Some cases of infuscation occurred - a redness of the eyes, which if not removed by antiphlogistic remedies, proved generally fatal. - Swimming has often induced yellow fever - gunning seldom failed - fractures have induced it -. A long interval, as much as 3 weeks (but often 4 or 5 days) has occurd between the remote and exciting causes -. In 1798 several walking states of fever occurred -. The system was often depressd below reaction; and such cases were called by some, typhus fever -. Y. Fever has appeared to be combined with Cynanche trachealis; yet it was but one disease, (viz. Y. Fever) determined to the trachea. Occurd several times in the same persons -. The yellow fever terminated - by Hæmorhage convulsions - pains in the calves of the legs - by a total absence of pain - vomiting & hiccup -. The mind was often torpid without delirium - the brain sometimes suffered inflammation - water was found in the ventricles -. Cause and effect are by no means in proportion in the human body - a slight wound will cause dreadful symptoms, and vice versa. In some cases of Y. fever, the stomach was often most inflamed when the patient had no vomiting - When the pulse does not inform of this internal state, it is happy for us that it

is indicated by pain, &c.. Dr. Physick has proved that black vomit is caused by a morbid secretion in the stomach.- Black matter is often discharged from carbuncles. The ~~lu~~ Liver & Kidneys sometimes secrete a black matter when diseased.- The Origin of this fever was domestic - from gutters, ponds, &c. &c. Method of cure - Dr. Mease lost 200 ounces of blood - where the system was depresst. below reaction. bleeding was thought improper; and nature often performed the operation herself, from the gums in 3 or 4 days.- In this state Dr. R. gave some Emetics with advantage. - - - -

January 25th. Lecture 62nd.. To several patients in the yellow fever of 1798, Dr. R. gave 2 Emetics - in some cases Bile was discharged; but not always.- He reduced the pulse to the emetic point - prepared the stomach, by emetics for other medicines.- In case of great prostration of strength, 30 grs.! of Tart: Emetic!!! have produced little effect!!!.- A Physician in the southern states ~~gave~~ gave emetics so as to excite Cholera Morbus purges had the same salutary effect this year 1798 as formerly - ~~In Mania Dr. R. found the salt of tartar & Laudanum beneficial.- Diet and drink the same as formerly.- The Physicians~~

In one case act of 4 Mercury succeeded - Vomits assisted it - Bleeding rendered the operations of mercury more certain - The effects of the - The effects of the Mercury continued in some cases a long time - Copious sweats succeeded in several cases - induced by the application of flannel & blanket wrung out of hot vinegar & water, to the skin, and continued for several hours - When these [redacted] appeared in the Intermittent form, after depletion, Dr. R. used the bark with success - Here you see the influence of seasons - In 1793 no bark could be taken; even when it appeared in this form - A tea cup full of the decoction of Bark, excited in Mr. Meredith, a severe paroxysm 2 weeks after he was cured - not so in 1798 - Dr R. again had recourse to it - he was not prejudiced against it - Blisters had less effect this year, 1798, than formerly. - For nausea Dr. R. found the salt of tartar and Laudanum beneficial - Diet and drinks the same as formerly - One Physician made use of tight ligatures round the extremities for the throbbing in the head & bowels, with success - this is proper when bleeding cannot be performed with safety, or prejudice forbids it - The pulsation, or throbbing in the bowels was not so common as in the head - Tongues vary according to the season - Sore throat was an unfavorable symptom in 98 - in 93 it was favorable

absence of pain and red eyes were unfavorable - Dr. R. knew of but one recovery after a dry tongue - None after a black one -. A desire to ride out, or to go home, from false ideas of their situation, &c, was a fatal symptom -. Some died putting on their clothes in the Hospital -. All histories respecting Epidemicks are imperfect, unless connected with climate - from not attending to the difference of climate, &c. disputes have originated - there were 3 modes of practice in Y. Fever in Philadelphia - 1st Castor oil, warm bath, &c. - 2d. Mercury alone - This was adopted by a quack from the west indies - one who had not practiced there, but had, perhaps, seen 2 or 3 sick people - but he was from the west indies, and was accordingly employed by the board of health! the 3d. mode was that which Dr. R. used -. The first was the least successful -. Those who used mercury depended upon it alone - hence the success was small, as it did nothing for 3/4 of the cases - The french mode was most popular -. The mortality was nearly as great in 98 as in 93, and the desertion from the city greater -. Errors it was call'd a nervous fever of great debility - but it was the reverse. Lining is not correct in his forms of this disease - what he calls remissions, are violent exacerbations, prostrating the system. Another error was in respect of the pathognomonic signs - as yellow skin, black vomit, &c. The yellow skin is merely accidental. another error the absence of bile - but it was not absent - being only locked up -. bleeding &c. unlocks

it. - There are no pathognomonic signs to be invariably attended to -. 100 or upwards, who had had it before, were again seized with it -. In the west indies they seldom have it twice - this is owing to the climate. Europeans who go there are most liable to it. Our changes in the weather dispose to it - like the change of climate in new comers to the W. Indies.. It is rarely contagious; and only under certain circumstances -. The french practice is still most popular - They treat in the same way in all climates.. The last error which Dr. R. shall mention respecting yellow fever, is the belief in its importation from the West Indies - and into the west indies from Siam. but Dr. Chisholm has lately imported it from Africa! - Yet we are not informed how it got into Africa. There are 3 or 4 sects of Importers (while those who believe in Domestic origin are all united in opinion - hence the unity of truth -. Some of the importers contend that it is the ship fever of warm climates. There is no such fever -. The ship fever is generated in [redacted] cold weather others say that it is contagious, and set into action by bad air, &c. - posterity will do justice to truth. To believe in the importation of Y. Fever, we must sacrifice all our attention - our association - our understandings, and our reason - In 1799 diseases were chiefly inflammatory - a few cases of malignant fever occurred -. Bilious pleurisies in march - March and April were cold, diseases bilious and inflammatory - may was cold - In the

month of June several cases of yellow fever ~~occurr~~ occurred. Jocs emitted a peculiar smell, which caused some to say that we should have the yellow fever again. In the beginning of July Dr. Griffith declared the yellow fever to exist. A vessel shortly after arrived; and notwithstanding the fever had occurred before, it was traced to this healthy vessel! It disappeared in August. Weather dry - fruit not good - The blistering fly appeared in great abundance on the potatoes, &c. Whence this derangement among animals & vegetables? was it imported from Siam?!!!! ~~The stimulus in the air~~ The true cause appears to be a preternatural stimulus in the air - perhaps generated in the bowels of the earth. In the middle of August a sudden flight of the inhabitants took place, in consequence of a publication of Dr. Physick, stating that the yellow fever existed in the atmosphere of the City - the unbelievers of this doctrine, while they execrated it and its author, thought it most safe to fly, notwithstanding their specific contagion, &c. 2 patients recovered this year after the black vomit. One case appeared in the form of dysentary. The blood appeared as usual - red mouth and polished tongue fatal - No black now yellow tongues before the seventh day,

as in 97 — 200 ounces of blood were taken from Mr. Roam in 10 or 12 days, by 22 bleedings — the warm bath was good in cases of great prostra=tion — a boy who relieved by it who had no pulse — the advantage of a salivation was like former years — Dr. R. relied on no particular medicine — he is an unbeliever in specifics. Bark, wine, and Æther, in long protracted ca=ses, were all useful — Æther was successful after every other remedy had failed — Sensibility of mind was favorable — sighing fatal. Red face fatal — Dr. R. saw but one case recover after it — In some cases all the functions and appearances were natural — Here the dan=ger was only to be known by a knowledge of what they had passd thro, — It was said we had a variety of diseases — the admission of this is a source of great error — No two Epidemicks of unequal force can exist at the same time —

January 20th Lecture 53d — A few cases of biliaus fever occurred in 1800 — It was confi=ned to one square in Dock street, principally, where there was an accumulation of filth. It yeilded to Bark without bleeding — From the perfec=tion of the fruit, &c, Dr. R. entered in his notebook as his opinion that there would be no Yellow fever this year. Dr. R. has no doubt but we shall yet be able to predict the periods of the yellow fever. This knowledge has been overlooked and treated with contempt! —

to remove disagreeable symptoms in this fever - vomits cayenne pepper, lime juice & magnesia, ~~applied to the head~~ injections of Laudanum, & assafoetida, Nitre, lime juice &c, applied to the head was useful - In 1801 a few cases of fever occurred in 8th. street, that excited no alarm; but were of a very malignant nature - black vomit occurred, &c. - In 1802 it appeared in all its forms; and many of them ran into each other. The yellow fever and inflammatory fever ran into each other -. When asked what it was in the 1st stage, Dr. R. replied Bilious - this was a safe answer, and exempted him from blame; as it is bilious under all its forms - After death the cry was Doct. didnt you call this a bilious fever? I learned by this says Dr. R. to expect difficulty and danger in every case -. Bloodletting - purges. vomits, & a salivation were the most successful remedies - but copious sweating Dr. R. believes might have been added with great advantage, as several were cured spontaneously by it alone. -. Jail. Ship. or Hospital fever - This fever sometimes requires 2 or 3 bleedings - it sometimes appears in the form of a chronic dysentary -. It is as mortal as the plague inguinal swellings occur, &c. - It spreads only by means of excreted matter, in cold, or cool weather generally -. Those soldiers who slept in the open air in the West Indies escaped it. Dr. Hunter never saw it in the west indies while he was with the

army—. It may be communicated by persons who have it not—. It may be communicated by persons who have it not—. Cloaths may be infected with it, &c. It is to be prevented by avoiding its causes, and cured by accomodating remedies to its state, &c.—plague—The eastern plague is not generated by human miasmata, as Dr. R. once thought; but by the same causes that produce yellow fever—differing only in the circumstances of climate, &c. putrefaction of animal & vegetable substances &c abound in the east, particularly ~~at Constantinople. The sweating sickness of the English was a form of it—it pursued them to every part of the world~~ Webster & Caldwell have changed Dr. R.'s opinion—. Their opinions lead to the extirpation of it from the earth! putrid animal & vegetable substances abound in the East; particularly at Constantinople. The sweating sickness of the English was a form of it—it pursued them to every part of the world. It is not specifically contagious—it never was ~~nor~~ never will be imported! It is said to be taken from knife cases, &c.—This is as absurd as to say that yellow fever was communicated by sugar leaves, and the masts of the E. India packet—. It has nearly disappeared in many European countries; owing to cleanliness—here water-vegetable diet, &c. It is still kept up in Egypt by putrid exhalations; the overflowing of the nile filthy huts, badly constructed cities, &c. Their religion

prevents them from flying - (believing in predestination) those who fly are called Infidels - &c. It puts on all the 11 primary grades of fever - the young and robust are most liable to it - It is taken more than once. The stomach is principally affected. - It blends itself with all other diseases of less force than itself - Moist weather is favorable to its prevalence - very dry weather checks it; as does rain, frost, &c. It is checked in Egypt by the overflowing of the Nile. Copious venesection in changeable weather. It is seldom safe in great prostration when irritability is destroyed, bleeding is injurious; as in the typhus grade, &c. - Bleeding, purging, vomiting, &c. are generally proper - swimming across the Thames cures the plague. - It is greatly to be lamented that the operation of Mercury is too slow to arrest its progress - Could it be excited (i.e. salivation) in 24 hours it would be the best remedy -

Mr. Baldwin has been successful by using the application of sweet oil to the body, in clothes - mercury & opium were found best in plague - acids - Webster - Caldwell - & med. repositories. - The small pox is communicated by secreted matter - Jail fever by excreted matter. - The English appear to think us no better than Hottentots; and deal out their advice to us respecting our fevers - They confound our pestilential with Jail fever. It (the fever which) spreads independently of contagion.

Chisholm stands alone, in supposing it to be contagious. It does not spread in the country. Let importers explain this fact! It does not spread from secreted contagion in ~~the country~~ cities; and always requires an excit=ing cause. Measles and small pox require no ex=citing cause. Being confined in a close room with the sick will produce a cause equal to the remote. Miasma may act as an exciting cause; not as contagion. Y. Fever only ap=pears in those seasons of the year when putre=faction is highest. —

January 27th Lecture 64th. We continue the subject of the Noncontagion of yellow fever. This Dr. R. infers from its not spreading in the W. Indies by contagion — nor in the Country — from its not spread=ing from the hospital — nor in cities from specific matter, — and requiring generally the operation of ex=citing causes. It appears to spread by contagion, but it is a mistake — it is derived from small, close rooms — here miasmata equal to the re=mote cause may be generated, and the disease ta=ken. When it runs into the jail fever and continues 30 or 60 days, it is still from Mi=asmata, and not contagion that the disease is generated. Miasma may be the exciting cause — still it is not contagion. We might as well say wine was a contagion; &c. Small may excite, this Dr. R. believes aided by fear, has often been an ex=citing cause — Yellow fever only appears in Sea

=tions favorable to its existence - it never appears ge=
=neral in the spring - nor in the healthy places, not
even in the month of may & June, when no pains
are taken to keep it out. - It cannot therefore be
a contagious matter -. How do heavy rains and
frosts destroy it? they must act exclusively on
the air before they can affect our houses. None of
the importers have explained this fact. The advo=
=cates for importation gain nothing by admitting
an inflammatory state of the air; because
in this they have recourse to an unknown prin=
=ciple in the air, as well as the advocates for
domestic origin -. It is worthy of remark, that
those who die of yellow fever on board of vessels,
die soon after they go on board from the W. Indies,
and after they arrive here. In the first instance
they are impregnated with the effluvia of the
W. Indies - they are then healthy till they arrive
here; and then become impregnated with the ef=
=~~fluvia of the~~ exhalations from our shores - A belief
in domestic origin would lessen the expences of
Quarantines, and would lead to internal cleanli=
=ness - it would prevent rapid and precipitate deser=
=tion, and teach people to avoid exciting causes -
Friends would not be deserted to perish alone; nor
would the sick be dragged to the hospital, where
certain death seems to await them - many have pe=
=rished from these causes - How cruel is it to con=
=vey by force, the helpless and defenceless sick to a
solitary and crowded Hospital! It has been sug=
=gested in an address to the Legislature to convey
whole families to the Hospital - another writer
has wisely proposed, and urged the necessity of remo=

= ving the Houses also to the Hospital to undergo a ven
= tilation like Ships!!! as they certainly stand in the
same need of it.—. The other doctrine is an Unit.
prophylaxis: Low diet, consisting chiefly of vegeta
= bles; with a due proportion of exercise — it lets
by debilitating — thus the willow will bend to the
blast, while the hardy oak is laid low! — But it
must be submitted to gradually — the bowels
should be kept gently open by chewing rhubarb,
and other mild means —. Continue the usual
occupation — nor attempt a new employment.
A Carpenter might work all day at his own
trade with safety, and yet take the fever a
few hours after rowing a boat. perspiration
should be kept up by means of flannels — it
is a discharge of the first necessity in malignant
fevers —. Drawing a little blood as in those
who come from cold climates —. Fresh earth
is good —. Warm bath has preserved many —
Many odors are good — they produce a coun
= teraction by acting on the nose — by saturat
= ing the atmosphere; or propably by chemi
= cal mixture. Garlic prevented it in every
instance in 1793. It is a great preventative
of diseases. It becomes delicious by habit — Oil
prevented it in a few cases in '98 —. The dele
= terious acids are blunted by oily subs
= tances — poisoned arrows have no effect in
passing through the fat of a hog —. Morning
and evening air should be avoided. —

If on a journey, it is better to rise at midnight and lay by at sunrise -. Midday is better for exercise than evening -. In Philadelphia, none suffered from exercise at this time of day. - Blisters, Velans, &c. act as preventatives. It is remarkable that old sores run more at this period -. All excesses should be avoided - The stomach to shy of new acquaintances - Tobacco does not prevent Y. Fever. Diemerbroeck furnishes an exception; he says it preserved him. people who ate juniper berries during a pestilence escaped it -. There is one prophylactic, which Dr. R. will not recommend? that is Drunkenness - if any of you wish to adopt it, says Dr. R. let me advise you never to be sober! for during the intermissions, the effluvia act with little double force -. Frequent and moderate meals are good preventatives - keeping up constant fires &c. It is said to have been checked by shutting the windows against it - Thus, Gentlemen says Dr. R. I have given you the result of my reading and inquiries respecting fevers from exhalations. -. The more successful you are in the practice, and the sooner you cure diseases, the less will you be respected for it! according to the importers, and in consequence of the present doctrines, we are likely to have pestilence for centuries to come - sufficient for you to make your fortunes by it! &c.

The Dr. made many just, and ironical remarks.

January 28th. Lecture 65th. A generous diet is useful in diseases of debility, but in no other. Fevers of a truly malignant nature have been produced by opium. for the cure use bloodletting, emetics, cold water to the head &c. where the opium cannot be discharged, dilution may be tried. stimulating injections, and flagellation. Fever from the bite of rabid animals - besides what is said in his Inquiries &c. Dr. R. thinks Trachotomy would be useful; as he believes death is caused by strangulation. Dr. Physick was the first who proposed it. Mr. Todd lost a son by the bite of a mad dog - upon dissection it appeared that death was caused by suffocation. Death often occurs in hydrophobia in the act of swallowing. Aversion to liquids is not peculiar to the disease caused by the bite of rabid animals - Dr. R. saw it in Ty. Fever. Tonics have been tried for it to no purpose. bloodletting even the most liberal, has but little effect: because the Trachea is so out of the circulation - as much as paronychia - and who would bled to cure that? - Salivation has been tried, but nothing appears so likely to do good as Trachotomy. -

what! cut a man's throat to save his life? Yes, gentlemen, says Dr. R. cut his throat to save his life. — The Canula introduced in to the Trachea in this operation, should be free from irritating angles + points — Most of the remedies for Hydrophobia have cured when the animal was not rabid! — Excision is better than Caustic to the part bitten — washing with cold water is good. — Sweating state of Fever occurs in plague, rheumatism, madness. &c. The cure of this state of fever is effected by depletion; particularly venesection, when it occurs in inflammatory fevers; — but the practice must be regulated by the pulse — Dr. R. cured it by wearing flannel shirts — Fainting state of fever — occurs in Yellow fever — Mosely describes it — Bloodletting cures it in malignant states. Chilly state of fever — occurs in some malignant Epidemics — the warm bath does not relieve it, — it is sometimes partial, + sometimes general Dr. R. has relieved both partial and general chills by bleeding. Petechial state of fever — vide Duncans medical reports — it gives a good account of it . . . . . —

January 29th. Lecture 66th. Intestinal states of fever. - viz. Diarrhoea, Dysentary, & Cholera -. Diarrhoea is sometimes call'd "downward consumption" in Virginia. it is to be treated with venasection if the pulse will bear it. Emetics Ipecacuanha is a good emetic - it is tonic - a new action is created - purges - absorbents -. Diarrhoea is sometimes caused by acrid secretions & ex=cretions in the bowels; and then it is relie=ved by demulcents - as Gum Arabic, mallows tea. flaxseed tea, bran tea, &c. -. Clysters of flaxseed and bran teas are good -. Astringents are often good; as gum Kino, galls, &c. Blisters applied alternately to the wrists and ankles are very valuable. Too much cannot be said to enforce these remedies. warm bath is good - Doctr. Fitton first introdu=ced it into the American army. The warm bath and pringles chalk julep cured almost every case -. In summer the cold bath should be tried - The late Dr. Ewing was once cured by the cold bath - a diet suit=ed to the state of disease should be used. cordial drinks - a lump of loaf sugar dipt in brandy and melted in the mouth. a vegetable diet alone has cured diarrhoea - ripe fruits has cured it; as black berries,

strawberries, &c. – change of air is of great con=
=sequence – of water also – for sometimes there
is something in the water of a purgative na=
=ture – Wearing flannel next the skin is
proper – Keeping the feet warm is very ne=
=cessary – and when all will not do a tali=
=vation must be tried? – Cholera Morbus
is an inverted bilious fever – it is most
prevalent in hot weather – is brought on
by a sudden change of weather – Sleeping
with windows open – Eating summer
fruits to excess will excite it – as will
some poisonous substances – we must
bleed for it in inflammatory constitu=
=tions – Liquid Laudanum given per os
or if the stomach will not bear it –
per anum, in conjunction with mucilages,
as starch, &c. Mucilaginous drinks – Cor=
=dial drinks – a tea made of toasted oats –
Blisters on the Ankles & Wrists – or near=
=er the trunk where a coldness is coming
on – Cataplasms of mustard seed – warm
batts, &c – Bilious Cholic – occurs
when bilious fevers are prevalent – is known
by being preceded by a chilly fit – attended
with a discharge of bilious matter – Neither
of which occur in nervous cholic – it is
attended with a tense pulse – we should

bled, purge, clyster, apply warm bath, &c. treat it just like bilious fever, of which it is a form.

January 31st Lecture 67th. Dysentary is often caused by marsh miasmata - but sometimes by human - it may be induced in a weak state of the bowels by other causes than Miasmata. It prevails more on high grounds than low and at the same time that intermittents prevail in the low grounds - It is here caused by the cold air determining perspiration to the intestines - It also occurs in fruit seasons - and has been caused by sour wines - It alternates with bilious fever sometimes - It is more fatal in young people and children, perhaps because they do not take medicine so readily - when bilious fever prevails in summer, Dysentary will often prevail in Autumn! - Dysentary has terminated in black vomit during Y. fever. Dysentary has been known to terminate in salivation - Dr. B. saw it in one case terminate in ophthalmia - why not? it is only a state of fever - It is sometimes succeeded like cholica pictonum, with

a numbness of the lower extremities; cracking of the knee joints; &c. – It has been intermittent and periodical; returning in painful paroxysms of 3 or 4 hours a day – It is a very fatal disease when it attacks violently – but is seldom fatal in mild cases, treated timely and properly. – It is generally preceded by a stoppage of the excretion of bile, & costiveness – sometimes saburra, or broken pieces of faces are discharged – sometimes blood and mucous are discharged – sometimes mucous alone – but still it is a dysentery – Dr. R. has called it a gonorrhœa of the bowels. It may be cured or prevented, if a purge be given during the first symptoms of the approaching disease, viz: a costiveness attended with a slight irritation to go to stool –. When the constitution of the air is inflammatory or the pulse calls for it, bleed. next Emetics are proper. next lenient purges, as castor. linseed, &c. oils. a German writer has lately recommended sulphur in Dysentary highly – Dr. R. thinks he reasons ~~rightly~~ justly; but has never tried the remedy – the dose is a teaspoonful every 2 or 3 hours in Molasses – it acts chiefly on the lower bowels –. When these purges fail Rhubarb, jalap, & calomel combined have been found useful – In the West Indies

common salts & limejuice are used - it will not do to purge on the first day only - tho, ever so copiously - we must purge every, or every other day, as in bilious fever -. Emolient Clys=ters. Demulcents, &c. must be freely used - Mutton suet and milk are used in this City - at the Seige of Derry, equal parts of tallow and starch cured almost every body; acting as demulcents -. When ani=ates increase pain, either by mouth or clyster, we must lay them aside, and use demulcents - and reduce the arterial system if high - Blisters are very useful they derive to the skin, and abstract from the bowels - they should be applied to the wrists and ankles - they were once applied to the belly; but there they are attended with great pain & inconveni=ence -. The Spaniards on the Mississipi always died with dysentary - because their excitability was worn out by their mode of living: which was & red peppers, a salt herring, and sweet oil (beat up) for break=fast. - Where the Dysentary assumes the intermittent form, or is worse in the even=ing, the bark is excellant, when taken in the intervals - Lastly - a salivation. —

Dysentericula - a slight kind of the above dis=

=ease. The good signs of dysentary, are a re=turn of fœtid stools - i.e. natural fœtor - a dis=charge of living worms - A discharge of dead worms is a bad sign. Is it a contagious dis=ease? It may be in cases of long protracted disease - but not otherwise readily. prophy=laxis - avoiding cold, wet, &c. &c. using proper diet - Keep open bowels - a free discharge of the bile - live on salt meat in hot weather - drinking molasses & water has prevented it. - We have now finished Summer and Autumnal diseases - they are all the effect of one remote cause viz. Miasma - brought into action by a variety of exciting causes. —

Pulmonic State of Fever - A pain in the shoulder is not peculiar to Hepatitis - it occurs sometimes in Pneumonia - Often in the worst diseases of the Lungs there is no pain nor no cough - the worst cases of pleuris=sy have been without pain, and with a very small pulse - In this disease viz. pulmoni=monia vera, or pleurisy, large bleedings are generally admitted by both patient and phy=sician - It was the custom formerly to bleed only in the early part of the disease - but

if you bleed early, you may bleed late, if the pulse call for it — and even if you have not, and an abscess should have been formed commenced, the bleeding will prevent the abscess from growing as large, as otherwise it would — and perhaps promote resolution or absorption. — next to bleeding, purging — blisters, should be applied earlier in this disease than any other — Diaphoretics are good, and nothing is better for this than Senka Snake root, combined with a little Liquorice — when coughs occur, Expectorants are used — but if the pulse will bear it, the best way to treat the cough is to draw it off thro, a vein.....

Peripneumonia Notha — is a kind of Apoplexy of the Lungs — for they cannot re-act — and show no signs of inflammation — sometimes it is attended with sharp pain — sometimes with no pain — sometimes it is attended with great attempts, or efforts to cough — It often kills suddenly; and may sometimes pass for Apoplexy — Great and speedy bleeding, to 20 or 30 ounces, must be used — blisters to the breast. In a sudden case, Dr. R. used steam of water, made by a red hot shovel in water, inhaled by the patient — he relieved him suddenly, and then tried frie

=tions, blisters &c. – Laudanum, also, may be given after relief for the present. – – – –

February 1st. Lecture 68th. – pneumoni=a biliosa – occurs after biliaus fever for which, give purges of calomel, & other Cathartics. – Venesection when the pulse calls for it – Emetics – Blisters to the breast. Sometimes the system is below reaction – then the bleedings must be cautiously performed. In some cases the Lancet should by no means be used – we should here give Bark and other cordials and Tonics – Say not then, Gentlemen, says Dr. R. that I recommend bleeding in every case! These walls will bear witness, continues he, that I do not advise it when the system is below reaction, – or there is such a degree of irritability in the muscular fibres of the Arteries, as to forbid the use of the Lancet.

Catarrh – is produced from exposure to cold, or moisture – Sometimes it attacks the Schneiderian membrane, producing sneezing – when it seizes the bronchia it causes cough and copious expectoration. – It is scarcely known in the uniform climate of Russia – Some brute Animals, as Horses, are subject to it – In children who cannot expectorate freely, it is often fatal – and causes fever, call'd catarrhal fever – In the forming state of catarrhal

fever, use pediluvium, diluting diaphoretic drinks, as warm vinegar and water with Molasses in it - &c, Garrick, who could not afford to have a cold, used to eat a salt herring, which caused him to drink a great deal; and in that way carried it off -. When Catarrhal fever has formed use venaesection; purges, (of neutral salts) - blisters, demulcents, as flaxseed tea, &c. Antimonial powder ... For a cough, ℞ Liquorice, Gum Arabic, Tartar. Emetic, Laudanum & water mix in proper proportions - when the pulse is low brandy, is generally added to the syrups used - where the cough is Spasmodic, a little oil of amber and asafetida is good -. A man suspended a cough by putting his hand against a cold wall. A burgundy-pitch plaster to the back of the neck, (wd inter scapulas) is good for the cough. — — —

Pulmonary Consumption, pneumonicula, or chronic pneumony. - This disease is induced by debilitating causes - it is a disease of the bloodvessels - alternates with mania, rheumatism, &c. &c, occurs in cold and moist countries. The Inhabitants of Salem, (Mass) - Boston, & Rhode Island are subject to consumption, - because those places are kept moist by the sea winds - we should therefore dissuade consumptive patients from going to the sea shore; and where the patient

Phthisis according to Cullen, comes on most frequently in persons who are of a Sanguine or Sanguineo-Melancholic temperament, & who have very fine Skins, rosy complexion, large veins and soft flesh - likewise persons of a Slender Make, of long necks, narrow chests, and prominent shoulders.

line near it, advise to leave the place. It often occurs from want of sufficient bleeding in acute diseases of the breast.-- When it carries off the patient in less than 6 weeks, it is called "Galloping Consumption" sometimes it lasts all the life.- i.e from early life to old age- It occurs in persons who have red hair, and black eyes most frequently- It is oftener transmitted to children from the father than from the mother.. Dr. R. has saw this disease without chill, fever, night sweat, or cough,- yet it has run its course fatally-. He calls the abscesses, tubercles, &c. the effects of consumption- as water in the ventricles of the brain is the effect of hydrocephalus; the disease being in the blood vessels- the remedies are of 2 kinds- to prevent when forming, and to cure when formed.... In the forming, sometimes bleeding- but tonics, exercise, riding, country air, &c. avoid all exciting causes. In this state (the forming state) we should alarm the patient and his friends- for it will do him no harm, and will prompt him to the use of remedies, while it is remediable- but when it is formed, it is unsafe to alarm.. In the Synocha & Synochalis pulse, we should bleed- but use small bleedings; for it is a protracted disease.. A vegetable diet- a little salted fish- milk should not be used in the inflammatory state of this disease- we should use that diet which is light and affords least nourishment. Blisters are good when the inflammation is gone off- Emetics-. Salivation has been used with advantage.

to remove the disease; but we must use tonics afterwards - for it does not remove predisposing debility - Where it does no good, it does no harm; which cannot be said of most medicines - after the salivation, which only suspends the disease, we should order exercise; as riding, &c. combined with tonics - Tar pills have been found good in a typhoid pulse after cough - It is improper to send them (the patients) to the West Indies - Smoking Tobacco has been found useful to allay the Cough - Night sweats are relieved by flannel worn next the skin - Rest is procured by opium - Where the legs swell, and the pulse is tense, bleeding will relieve - Blisters - Digitalis only suspends the pulse, but does not remove the cause; and therefore does not do better than venesection, if as well - Phthisis has been cured by living on Malaga Grapes - eating sweet apples &c. &c. - putting the patient in a Cow stable has cured it - but it is not the stable; it is the equable temperature of the air - Neither abscess, tubercles &c. should deter us from attempts to cure - for cure has been effected after all. Death occurs by a rupture of the Abscess - of a blood vessel by a translation to the brain, in the form of Mania - to the bowels in the form of colliquative diarrhea - This last is the most common termination of Consumption.

Prophylaxis - warm dress - occasional Vegetation - occasional journies - change of residence

avoid exciting & remote causes, &c. &c. — — —

February 20 Lecture 69th. Anginose state of fever - Ulcerous sore throat - malignant sore throat - occurs in plague - is very fatal. It once prevailed in Philadelphia; chiefly among wealthy families, and among children - it is sometimes sporadic - is generally supposed to spread by contagion; but the remote cause must often be in the atmosphere - it is originally a disease of great malignancy; often depressing the system below reaction, - or inducing that irritability of the fibres of the arteries, which will not act after bleeding. During the predisposition, the patients are either languid, stiffnecked, have watry eyes &c. - or are uncommonly sprightly -. An Emetic of turbette mineral has often strangled the disease in the forming stage -. After the disease has formed, bleeding according to the pulse - Emetics of turbette mineral - Gentle purges, not drastic ones - Bark, wine & cordials; and where debilitating diarrhoea attends, Laudanum - Mercury induces an action less dangerous than this disease. Bark & Cordials are proper in this disease, because it is a centrifugal one - they are improper in yellow fever because that is a Centripetal ~~one~~ disease... The sordes should be removed with a rag on a stick - sweating is in general favorable - prophylaxis - low

diet, &c. — **Cynanche Scarlatina** — is generally attended with ulcers, — and where not they attended, the skin comes off during convalescence. It sometimes kills in a few hours — It exists in all the grades from a flea-bite to the Plague itself — It is nearly the same in the forming stage with the malignant cynanche —. Remedies — bleeding according to the pulse — Emetics — purges — sweating — blisters to the extremities, &c. pains and swellings in the limbs are favorable — Delirium is less unfavorable in this than any other disease: — A yellowness is unfavorable — It is an atmospherical disease when Epidemick and is prevented by purges.. **Angina Suffocativa** — symptoms nearly the same as in the malignant state — when fatal it leaves a membrane in the Trachea — suffocates the patient — matter comes thro, the nose and mouth, sometimes highly acrid.. Treatment in the forming state nearly the same as in the others. — when formed bleeding according to the pulse — Emetics — fumigation — sweating — blisters, bark, &c. These diseases have all one primate cause — and are of domestic origin...

Cynanche Trachealis — chiefly affects children; but sometimes adults — Is generally Idiopathic — but sometimes symptomatic — as of Rheumatism, yellow fever, &c. — It is seated in the trachea.

Children are sometimes quite well & in an hour after are very bad - owing to the Clonic Spasm; which is alternate spasm and relaxation - Tonic spasm is continued -. Sometimes there is inflammation of the Trachea call'd Trachitis, & Rheumatism of the Trachea - Bleeding is a remedy - and should be used largely - some use it successfully ad deliquium; because the Trachea is so far out of the circulation - Emetics should be joined with bleeding - purges - large doses of Calomel - Senekasnake root in decoction - Blisters in cases of danger to the throat - Cataplasms of mustard to the feet - pediluvium - &c, - but these latter are like the small arms of battle when compared with the field-pieces and Artillery of blood letting, emetics, & purging -. Trachotomy has been talk'd of - but /I believe/ Dr. Rush did not mention it.....

Feb 7. 3d. Lecture 70th. Angiose state of fever continued -. Cynanche Parotidea or Mumps often alternates with the Testicles in Men; and the breasts in women - It is sometimes translated from the Testicles to the brain, when it proves fatal. This translation is prevented by a blister to the Testicle... Cynanche Pharyngea - is cured by Gargles - Hartshorne Spirits & oil applied externally -. Cynanche Tonsillaris - generally causes a suppuration of the Tonsils - Dr. R. formerly bled in this disease, but not with much great success - A puncture into the Tonsils, discharging a few tea-spoonfuls

of blood, is better than 12 ounces drawn from the arm – Bronchotomy has been once tried, & it then protracted life – The Tonsils, when suppurated generally break by coughing, laughing &c. – It is brought on by cold feet, &c. wearing wool in the ears has prevented its recurrence.

.. Eruptive state of fever – Small pox

More of the human race has been destroyed by this disease, than by war, famine & pestilence altogether – 40.000.000 have died of it during the last century – but, happily, it will be seen no more – Jenner has discovered a substitute – the Vaccine disease. It has many advantages. It may be communicated at any time, without ~~danger~~ preparation by regimen or medicine, and without danger – It is not contagious – the first scale that may be preserved 2 months in a phial well corked, and then dissolved like old variolus matter. L. (Dr. R. here went on to panegyricize the Cow) – The time will – it must come, says Dr. R. when all fatal diseases, as pestilences, and other malignant diseases, will become extinct.. Measles – in this disease the pulse is mostly synocha – but sometimes Typhoid, Typhus, &c. – When measles occur in Autumn, they are compelled to wear the livery of bilious & Autumnal fevers – a tore mouth was once considered a pathognomonic sign in this disease; but it does not hold good always. In the fallacy of Pathognomonic signs! watery eyes, hoarseness, cough &c. attend the Measles.. Venesection according to the pulse must be used – and other

antiphlogistic remedies.. There have been instan=
=ces of a second eruption—. Measles are often follow=
=ed by diarrhea, and troublesome cough, & consumption
These effects are consequences of deficient Rejection.
Erysipelatous state of fever — is sometimes caus=
=ed by Cathartics; and poison fever of this coun=
=try. It is often a precursor of pestilential disease.
It sometimes ends in death, in consequence of trans=
=lation to the brain; and from mortification.
Copious venesection, according to the state of the
pulse, should be used. The Saturnine and other
repellents, must be avoided — a little dry flour
is all that should be applied.. Miliary fever
is seldom seen now a days — Keep the bowels gen=
=tly soluble in this disease.—. Varicelli is
a trifling disease — a simple purge is sufficient for
it.— — pemphigus — is an indifferent disease, gen=
=erally. — — Rheumatic state of fever —
An old soldier without Rheumatism would be worthy
of a place in Peals museum; on acct. of his rarity!
Rheumatism is an inflammatory disease. Dr. R.
has seen the worst cases in summer — it mostly
attacks the joints; but sometimes other parts.. It
is divided into acute & Chronic — both inflam=
=matory — one synocha, the other synochula —
Chalk stones and concretions are sometimes formed
~~the~~ These are disorders, not diseases —. In the
synocha state use copious Rejection — purges,
Fothergill forbids venesection — but it is be=

= cause they have used too small bleedings in England, that they have not had success. Remember the joints have but small blood = vessels; and large and topical section will appear necessary—. The <u>break bone</u> fever which prevailed in Philadelphia some years ago, was cured by purging; low and solid diet for rheumatism — blisters — cabbage leaves applied to the joints, or limbs, are good—. bathing them with Mo= = lasses — Mercurial Ointment rubbed on, is good — cold air is sometimes good — how should cold water do? it is used for foun= = dered horses — these have lumbago — fever &c. it is a rheumatism. People lead their horses into cold water & make them stand there several hours —. This prevents ex= = foliation and suppuration of the hoofs & feet, (call'd Anthropmosis,) Friction? Capt.n Cook was cured by it in the Isles. The hy= = drocheula stale ~~of horse~~ is mostly inflamma= = tory — chronic diseases require chronic re= = medies. It seldom fails of yielding to the

Lancet... Doctor R. has tried all the other remedies without success - but now the lancet succeeds - aided by low diet, neutral salts and salivation caused by antimonial powder. - Prophylaxis - flannel worn next the skin - warm feet - low wines - acid fruits -. Cyder should be particularly avoided; unless a hot iron be first plunged in it - in this case it has been used as a cure Cold bath - Remedy - warm and cold bath - vapour bath - Friction - volatile liniment - Cayenne pepper in brandy, applied to the parts - volatile tincture of guiacum; but not until inflammatory action has subsided - laliadia change of climate - volatile salts; Electricity, &c. a pain in the face has been described, supposed to be owing to cancerous matter - Antiphlogistic remedies have been tried in vain destroying the nerve has removed it. ---

Febry 4th. Lecture 71st. Arthritic state of fever - it is a disease of the solids - occurs in the extremities oftener in men than in women; but it appears in women in the form of Colic, &c, . It occurs in the season of

inflammatory diseases... It has been cured by a change of climate. It is hereditary; but often skips one generation and attacks the ~~next~~ next. The remote causes are certain aliments - vocation - mind and ardent spirits.. These last dispose to gout in the extremities; which perhaps is the reason why women have it less in those parts -. Exciting causes consist in a more violent action and an union of remote and predisposing causes. It is brought on by irregularities and debauches, &c. Proximate cause is morbid action -. When it attacks the arterial system, the phenomena of common fever are produced - It affects the viscera - glands Lymphatics &c.. It has caused Menorrhagia when it attacked the Uterus - from which it was translated to the feet... - It has appeared in the form of gonorrhea &c. In short like yellow fever, it is an epitome of all diseases. It has terminated in petechia, gangrene, &c. &c. even the bones are not exempt from this disease. It has dislocated the femur, probably by means of chalk stones.. It has dislodged the teeth. During the paroxysms, the hair and nails cease to grow. We may as well call the yellow fever, when it affects the brain groins, &c. yellow fever of those parts, as to talk of misplaced ~~gout~~ or Retrocedent Gout.. It is said that gout prevents other diseases. it does this just like drams prevent intermittent fevers. It is like school-boys swallowing cherry

stones to help to digest that delicate fruit! It is worse than the diseases it prevents.— Symptoms of approaching gout— drowsiness, disturbed sleep, flatulence, acidity in the stomach, dulness in the head &c., its accession may be prevented by venesection, or purging— pediluvium. Laudanum— Ol: succini— these remedies are safe and efficacious. When the bloodvessels are affected with violent action— venesection, purging—. Salts are generally offensive; but any of the other purgatives are good. Emetics are good. cold air, in inflammatory ca=ses— for here flannel is as improper as any other inflammatory diseases— putting the feet in cold water was used by Harvey— Blisters in moderate cases of floating gout, like the electric rod, collect the scattered fragments of excitement, and conduct them out of the system—. Sweating— Exercise as soon as the fit is a little over is very necessary—. Remedies for fulle gout—. Warners tincture— opium, Æther— Ol. of Amber— Salivation— bark— Ardent Spirits volatile Alkali, &c. Local complaints are treated by Authors to whom we are referred. An itching in the anus & vagina is a symptom

of heart - cured by rubbing mercurial ointment on the part.. Gout has been completely eradicated. ~~Gout~~ in one case, by the low diet of a jail for a year or two - another by an accidental hemorrhage by torture - by a large dose of laudanum. .. Prophylaxis - Temperance, but not abstinence - The latter is low living the former moderate - exercise - uniform temperature - avoid cold - particularly when combined with moisture wear flannel in winter, & muslin in summer - sulphur between attacks is an excellent remedy to ~~cured~~ prevent costiveness Bitters are not proper as preventatives - they dispose to apoplexy in young and plethoric habits.. warm climate - gentle stimulating aliment - chalybeates - ginger &c. &c.

Febry 5th Lecture 79nd Cephalic states of fever - They affect those parts connected with the intellectual faculties - In what manner the intellectual ~~faculties~~ powers are ~~acted~~ acted upon, is not certainly known - they are all the effect of morbid excitement in the brain - the different states of morbid action alternate with each other - all from

one remote cause. We begin with phrenitis - It is occasioned by causes acting directly and indirectly upon the brain - Contusions are the most common causes the intervals between the injury and disease are sometimes long. Falling upon the feet has produced it - Causes acting indirectly - pains in the extremities - translation of diseases; as of plague, yellow fever, &c suppression of piles, urine, &c disappearance of eruptions on the skin. It is most dangerous after cholic & pneumony - it is said that all die with it after pneumony. Dr. R. has seen recoveries after it - but it is necessary for us to know this. It sometimes ends in madness - The pulse is generally synocha - but sometimes typhoid, typhus, &c. - now and then it is natural. An inability to bear light and sound attends it. Delirium is a constant symptom - Delirium differs from Mania - to be distinguished by its occurring more frequently - patient not remembering occurrences afterwards, - this is seldom the

case in mania; though it is now and then. In delirium, attendants are not distin=
=guished - This is not the case in Ma=
=nia - The fever in delirium is more obvious - in mania more suffocated - In delirium, they rarely remember what is said or done - Maniacs gene=
=rally remember, often better than their attendants, what is done - Never an instance occurred as Dr. R. knows of, wherein delirious patients remem=
=bered past events - Maniacs are confi=
=ned mostly to one subject in conver=
=sation - delirious patients wander upon all subjects, &c. - No cases of great morbid action; copious bleeding - parti=
=cularly when from contusion - Dr. R. bled a patient 20 times in 20 days and took 16 ounces of blood at a time cupping upon the head - Arteriotomy would have great advantages - The head and shoulders should be elevated - pressure up=
=on the carotids? purges and blisters -

cold water, or air to the head - darkness and low diet.. If owing to suppressed piles, they should be excited again. In Typhoid and Typhus phrenitis, the remedies should be the same as in those states of fever.- Where owing to suppression of urine, it should be drawn off-. It is connected with malignant fever - now and then with yellow and intermittent fevers.. A celebrated Tragedy induced it in ~~many~~ several - It sometimes attends the close of Typhus fever. Lethargic state or Coma - The remedies must be accomodated to circumstances - bloodletting, blister, cataplasms, company after proper depletion, - conversation is a stimulus in diseases of the brain.- Apoplectic state of fever - occurs in plague, and all malignant fevers-- The remedies must be suited to the grade of fever it accompanies. Bloodletting, purges, vomits & clysters - cold

applications to the head, and cataplasms — lastly, bark —. Typhoes state. Remedies the same as in that state of fever... Paralytic state. This is less common — it appears in Hemiplegia, paraplegia, and in general paly in the last case, often from sudden exposure to cold. — Bloodletting, salivation, &c. — Hydrocephalic state of fever — This seems most properly to belong to the cephalic states of fever —. For its history consult authors — it is idiopathic or symptomatic — from contusions, blows, &c. it occurs also in fevers. Dr. R. has seen many cases of this kind —. Authors have reversed the order of cause and effect in their accounts of this state of fever. When it has occurred in, or in consequence of other diseases, they call it the original disease.. Worms may determine the blood to the head, and therefore be a cause of this disease, as well as contusions &c.

acquired sympathies are numerous and not understood - natural ones alone are known Worms may act like a blow, &c. Many symptomatic diseases destroy life - In this state of fever there is disorder as well as disease. The disease is simply morbid excitement in the brain, let the cause be what it may - Dissections sometimes shew a sound brain in this disease This puzzled physicians formerly - but Morgagni has dispelled the cloud - The excitability is suddenly destroyed - sometimes inflammation appears; particularly on the Pia Mater - but no effusion - sometimes water is effused - The pulse after an effusion becomes more natural & frequent - the patient is able to sit up and appears much better - but the water in a short time induces a reaction and the patient soon dies - This has deceived physicians. Blood letting - the blood always exhibits a morbid appearance - In the year 1801 Doctor

Rush took 100 ounces from Miss Hunter at 10 bleedings, in 10 or 12 days.. there is no back door to the brain for effused water to escape at - Dr. R. has cured after effusion had taken place.. strabismus, convulsions, &c. are the most alarming symptoms that characterize the disease.. Cups and leaches should be applied to the head - cold applications - active purges should be given; the bowels being generally torpid - a view should be had to discharging worms - they aggravate the disease. Give calomel, rhubarb, & jalap:.. Blisters and a salivation.. The latter (salivation) was formerly the exclusive remedy, and is still in great Britain. Dr. Monro has acknowledged that he never cured it. Mercury rarely affects children; and when salivated a mortification is apt to occur. In adults it is more safe and easy to effect. Dr. R. used it in Miss Hunters case - but bleeding is more simple and safe.. Bark and cold bath should always be used

to prevent relapses-. There was a time when like cynanche trachealis, it was an incurable disease- but that time has now passd away- Hydrocephalus has ceased to be terrible! To the Lancet gentlemen says Dr. R. we are in=debted for our victory over it! It has wiped away reproach from Physicians as well as rivers of tears from the eyes of our fellow creatures. — Feby 7th. Lecture 73- Hydropic state of fever: so calld because it has all the symptoms of fever- it comes on like fever, &c. Morbid action in the blood vessels when left to itself always tends to effusion-. Swellings in dropsy differ from those in Hysteria- Serum mix=ed with coagulable lymph is effused in Ascites, and Hydrothorax- Coagulable lymph is effused in the glands as Kidneys, &c. and calcareous matter is sometimes formed- blood is sometimes effused, constituting gangrene.. Inflammation is increased excitement- but not always increas=ed action- for excitement is sometimes carried be=yond the point of great action.. Bony matter is

sometimes effused? a neglected catarrh or half cured pneumony often cause Hydrothorax — 19 dropsies out of 20 are originally diseases of the Arterial System. It is seldom a disease of direct debility for all old people labour under this debility — and yet how few old people have were swell'd legs & feet: dropsy never accurs in Marasmus nor in cases of famine when direct debility prevails. The causes of all the different states of the pulse, are the same in dropsy as in all other diseases — Therefore we must attend to the pulse as much as in any other disease. The remedies are, bloodletting according to the state of the pulse — purges, vomits — and both certain sedatives; as Digitalis, Nitre, — in inflammatory, or tonic dropsy only — they act by diminishing serum — Strange! that we should give diuretics and object to bleeding! . Digitalis is a vegetable Trocha, but it only removes the water, without effecting a perfect cure — like salivation in Pthisis — it leaves great predisposition to relapse which should be removed by tonics —

In dropsy attended with debility, - tonics, as steel, Bark, ~~wine~~, &c, .. Dr. R. only revived the doctrine of Revaption in inflammatory dropsy - he is not the author of it. different forms of dropsy - In the Substance of the Lungs - In this case, the patient can lay down without difficulty - but in Hydrothorax the patient cannot lay down without sensation of suffocation - sometimes Hæmoptisis, swelling of the legs... In Hydrothorax - bloodletting according to the pulse - squills - digitalis - blister to the side, &c. In Ascites - purges - salivation - vomits; cream of tartar - nitre - infusion of Tobacco. have cured it. Digitalis is not of much use in this state of dropsy.. After the water is withdrawn by the use of these medicines, we should bandage the belly tight - pressure has great effect on the absorbents - Tapping seldom succeeds; - especially if not done early in the disease - It ought not to be done late; it generally hastens death, by abstracting the stimulus of distention - Sometimes yellow, green

16. Matter is effused in the abdomen - sometimes a jelly like matter which cannot be drawn off - sometimes hydatids are found there - sometimes blood is effused. It is a bad sign for the water to ooze out of the puncture. Sometimes dropsy is encysted in the abdomen: in this case the belly is generally uneven in appearance - but a difficulty of purging is considered a better proof - sometimes we should inform the patient of these varieties to prepare him for them. An inflammation has been excited in the Abdomen similar to that in the hydrocele. A dropsy happens sometimes in the ovaria - out of the reach of medicine - salivation however should be tried - A dropsy of the Uterus sometimes occurs - also in the Scrotum, which has been cured by discutients; but generally by the operation. Anasarca - patients generally use friction in the evening & downwards the reverse of both should be done. - Blisters should be applied to the legs about the Calf - it answers two

ends-, a discharge of water, and confinement to a horizontal posture, which latter should be always observed.- We should never use scarification- but punctures may be used. Dr. R. never knew punctures to mortify- whereas scarification often does-. punctures may mortify where the action of the blood vessels is great- as would blisters, &c. this action should be reduced by proper sujection- Dr. R. knows of but one case of hereditary dropsy-. In cases of Anasarca, when the water is removed exercise is to be come at gradually- first riding then gentle walking. &c.

February 8th. Lecture 74th. Hemorrhagic state of fever- Dr. R. is not singular in the opinion that this is a state of fever- Plethora- a defect of equilibrium between solids & fluids- The veins are strongest in early life: the Arteries in late, hence Arterial Hemorrhage in early life; & venous as in piles in the decline- Rush divides hemorrhage into tonic & atonic- acute & chronic- acute occurs in malignant fevers of great action- chronic in pneumonicula or phthisis.

some families have an hemorrhagic dia-
-thesis by which they bleed obstinately
upon slight wounds - It was stopped in
such, by long continued pressure - & a
solution of Saccharum Saturni in
Vinegar. predisposing cause of Hemorrh
-age, debility - venate and exciting causes
sudden changes in the atmosphere, in
density - violence of passion - of exercise - cold
feet have brought an hemorrhage from the
lungs - as has too much cloathing - &c. Ani-
-mal Magnetism ~~magnetism~~ has in-
-duced hemorrhage. - Hemorrhage is lia-
-ble to return when once established.
Cure venaesection; it is not an effort or re
-medy of nature; and if it were she does
not use it with prudence, but to excess
or deficiency - bleeding determines bet
-ter cold is useful - liniment purges &c.
Atonic hemorrhages should be treat
-ed with opium. steel. bark. alum -
cold bath, &c. - Haemoptisis - attended with

flushing - tickling cough - discharge of blood & frothe - In vomiting of blood, the blood is black. In ~~vomiting of blo~~ hæmoptisis the blood is florid - is sometimes discharged from the trachea - then it flows more rapidly. - There is a tracheal hæmoptisis, as well as a tracheal consumption. Three fourths of the cases of Hæmoptisis have occurred in the right. It rarely occurs in persons who use their lungs in singing, speaking, &c. moderately - singing has relieved it. It rarely occurs among the Germans who sing much in worship. The Quaker Ladies of Philadelphia are most subject to it - probably because they do not sing as much as others - ! It is an alarming symptom but not dangerous - a mere local discharge - is most easily cured when the discharge is freest. In a debilitated state of lungs, a discharge of lymph is more common - this is generally discharged by coughing; or absorbed by the Lymphatics - Where neither takes place the

lymph stagnates and an abscess is formed. the cough becomes dry & hurtsy; which is a dangerous symptom. the abscess at length breaks sometimes suddenly, but often gradually Dr. R. makes Cullen's causes of consumption, the effects only.. The lungs are a hardy viscus devoid of sensibility. They defy dust-gases [redacted], 86.86. - . 24 out of 25 cases of wounds in the lungs recovered without sequent consumption, during the late War in one campaign. No other viscus would have borne the same equally as well. Millers live as long as other people. they cough to be sure to throw off the dust. . The remedy for hemoptisis, when the pulse is tense, is bloodletting. after Injection, common salt should be used freely. It should be used before Injection, if that cannot be used readily. it is generally used as a temporary remedy in this City. Brine has been found to prevent phthisis. Common salt, after it cold water; even before bleeding has stopped hemoptisis. Cold should be applied to the whole body. cold water to the scrotum

Vegetable acids - alum - opium - saccharum Saturni - blisters to the breast - rest gentle purges.. Conversation, - coughing, &c. should be strictly forbidden.. use henbane seed, if opium be disagreeable, or induce costiveness - British oil, or anised oil - cordial diet and drinks - Emetics, if other remedies fail; - or at least, nauseating drugs. - To prevent its return, all exciting causes should be avoided; as loud laughing - loud reading - singing - lifting weights - severe cold - great heat, &c. - Moderate exercise should be advised.. a moderate uniform climate - cordial drinks as porter - and cordial diet - Occasional bleeding is an excellent prophylactic - a full pulse, and sensation of fulness at the breast, indicate bleeding... Bark after the cessation of the disease and cough, is a good prophylactic. Sir Hans Sloane took a dose of Bark every day for 45 years, and preserved his health. Many live to a great age who have been subject to it all their lives nearly.

Hemorrhage in Dyspnea is an acute disease it is local, and no more dangerous than bleeding at the nose. but hemorrhage when consumption is confirmed, is generally fatal. Dr. R. never saw it fatal when it was the first symptom. but seldom otherwise when it occurred late. Hemorrhage of the nose is often spontaneous. but sometimes caused by accident. by passion, &c. &c. Cure. Repelent. liniment purges. cold applications to the neck & scrotum. plugs in the nostrils this seldom fails. Dr. R. lost but 2 patients from hemorrhages from the nose. ligatures on the arms are useful. but on the neck, are injurious. the patient should avoid sneezing, blowing the nose, &c. - - -

Febry 9th. Lecture 75th. The pulse seldom fails to indicate the treatment necessary in diseases, as well as the state of the system. The seat of a disease is not always to be ascertained, but the pulse generally shews what ought to be done. Hemorrhagic state of fever. continued. when hemorrhage from

the Lungs occurs early in disease - if properly treated it is seldom dangerous -. If the discharge be sufficient we should give Tonics &c. - but if the discharge be not sufficient, we should deplete further; or effusion, and abscess will take place. The tubercles in the lungs have been call.d scrophulous in England; - they are not scrophulous - but still scrophula may fall on the lungs and cause consumption !. No Country is so clear of scrophula as the United States.. Hemorrhage from the stomach - is preceded by nausea - the blood is black, owing to stagnation.. The remote cause, - acrid substances destroying the texture of the stomach Violent shocks of the system - hard drinking has caused it - it is vicarious with the menses - occurs oftener in women than in men - alternates with the piles - it is more liable to relapse than any other hemorrhage. - The pulse is generally typhus Mineral tonics for the disease.. There is a discharge from the bowels, originally from the liver, called Melena, or morbus niger; - remedy the same as for the last.

Blood is also discharged from a ruptured vessel in the bowels; - it may be known from the last by being red and mixed with mucous for which vegetable and other mild diet. hemorrhage from the Kidneys and bladder; sometimes occurs from relaxation - tonics, &c. Hemorrhage from the Uterus - bloodletting if the pulse be full - positive rest in a recumbent posture for many days - cold - cold water flow - ligatures on the extremities - Lacchs Saturni, &c. During pregnancy avoid climbing stairs. . prophylaxis - if the pulse be languid, bark and gentle exercise... abortion is mostly preceded by hemorrhage - it occurs about the 3rd month after conception.. Hemorrhage from the Skin, occurs in violent passions.. Hemorrhage from wounds - are stopped by cold - cold water to different parts of the body - alkohol - mineral acids - flour; this last in cases of Uterine hemorrhage, by being thrown into the Vagina & on the duodenum, decomposes the blood, & causes coagulation to take place - Lunar caustic is good to stop an hemorrhage - as is adhesive plaster. A bleeder should never be without a

peice of court plaster in his pocket - it never fails to stop the bleed if difficully occur after bleeding - so says Dr. Rush -

Febry. 10th Lecture 76th. The liver has been called the Cloaca Magna - or Big little place of the body! The Bile has been supposed an excretion - The liver is often diseased in hard drinkers - Intemperance in eating causes diseases of the liver -. Sea sickness violent exercise, heat, &c. cause an accumulation of bile - there is more bile in the gall bladders of beeves in summer than winter. Mania affects the liver - Hippocrates thought the disease of the liver was the cause of madness - but it is only the effect - gout - the bite of the rattle snake, Miasmata - Miasmata & ardent spirits combined induce disease in the liver. Dr. R. confines himself chiefly to those effects caused by miasmata - They first appear in sickness of stomach - discharge of bile, or a total obstruction of the excretion of bile. In Intermitting and remitting fevers, Hepatitis is caused

sometimes.. This is suffocated Bilious fever: or Bilious fever concentrated in the Liver. Excess in Animal food - drinking bad water &c. cause Hepatitis. Hepatitis was Epidemic in Philadelphia in the year 1792 - In the West Indies strangers are attacked with acute Hepatitis - and suppuration and death often ensue, - but those who are acclimated have neither suppuration nor death. premonitory signs in the East Indies - depression or elevation of spirits - languor - pain in the liver - dryness of the gums - increased appetite or impaired. - Sometimes no pain is felt. The right lobe is most commonly affected - but not unfrequently the left. Its approach is also ~~felt~~ marked by thickness and yellowness of urine - pain in the shoulder &c. Remedies - Injection according to the state of the pulse.. Seat of the disease, when chronic, as supposed by Dr. Saunders, is in the vena portarum - as no disease tends more rapidly to suppuration & death, - so no disease requires more prompt & decisive remedies. - Sometimes bleeding is required to a great degree. The second remedy is a speedy salivation.

When the Mercury acts first by making the Mouth sore (as little ulcers &c.) it seldom salivates. When bleeding is properly used, salivation is ~~seldom~~ not often necessary. – purging – Blisters, in cases of great pain, where proper depletion has been used – opium may be given in this state and under this condition, with advantage. Where Blisters fail, a seton in the side has been found useful. When suppuration comes on the abscess breaks, or terminates in all the neighbouring cavities. – and also externally. It is fatal when discharged into the Abdomen Thorax – Stomach – pericardium – &c. The matter when discharged is generally mixed with bile, except in external ruptures. When the Abscess points outwards it should be hastened with poultices; and opened when mature – for when it opens itself it is always fatal. If Emetics operate too hard, a little Laudanum will suspend the operation. Black urine in Hepatitis is always a fatal sign. Abstructions & Schirrosis are less frequent in Philadelphia now.

than before the year 1793; owing to more frequent bleeding. Hydatids occur in liver complaints - worms - & skirrhi - these last arise from neglected chronic complaints of that viscus; - and by reaction cause new inflammation and dropsy. The most important disease of this part is the gall bladder owing to stricture, spasm. Gall stones, &c. - Gall stones are the most common causes of jaundice. They are sometimes lighter than water - cause great pain in passing thro. the duct - chills and sickness attend this passage. Symptoms of jaundice - uncommon languor - costiveness or a diarrhœa of yellow stools. The eyes are tinged with yellow - but do not make images, or objects, appear yellow; as story relates. Milk retains its sweetness in jaundice. - If it be owing to spasm of the duct it may be known, by its coming on and going off at intervals - if from pressure of adjacent parts purging will relieve it - if from the intestines, a bandage

to depress the uterus.. A raw egg- and mercury have been given with advantage- When it is owing to gall stones, it is hard to cure. Vomits to shake the liver are sometimes good. Boerhaave recommends drinking largely of water to relax; and then to use purges. lime juice is recommended by Heberden.- Electricity- a diabetes or salivation of the liver occurs sometimes; ie excessive discharge- vomits relieve but do not cure it-. Ib. section 86.86. Many people have obstructions in the liver nearly all their lives. and afterwards become clear of it. In such cases physicians should keep them from growing worse; by directing them to avoid all increasing causes; and time and nature will do a great deal sometimes in this disease, the urine is as limpid as rock water. — — —

Febry. 11th. Lecture 77th. Hemorrhoidal state of fever- It is true it is a local disease but it is often connected with general affection- is attended with heaviness of the legs- pain at the extremity of the rectum, &c. The remote causes, costiveness- hard riding

few people escape the piles who are in the habit of using aloes as purge - habitual use of bitters. Women, from their sedentary lives, and especially during pregnancy, are most liable to them & gout. When the system is affected with increased action; bloodletting according to the pulse. local bleeding is very efficacious - by Leeches and punctures with a Lancet - a few drops will relieve the patient. Next to these lenient purges - Sulphur is generally used - it is supposed to have a specific action on this part. Butternut pills are good - rest - a persons with piles should not walk about - cold water applied to the part is very good, in proper states, viz. Inflammatory Warm water in proper states. The smoke of burning leather fat of an old shoe, receive on the part thro, a close stool. An ointment of hog's lard, and tar, made of a proper consistency with bees wax. An ointment of white lead & sweet oil - An ointment of stramonium; or James-town weed. Dr. R. has been thus particular, because it is an important disease, and apt to terminate in bleeding piles; which are troublesome.

and to which the system often accomodates itself, so that they cannot be safely stopped. They also terminate in ulcers fistulas in ano - lchi-rous tumours - difficulty of stool. sometimes causing consumption - Dr. R. saw a case of this kind where the disease of the lungs was cured by taking off the tumours by ligatures. Piles also cause prolapsus ani; a very troublesome disorder. These may all be prevented by proper bleeding; - and remember Gentlemen says Dr. R, for I cannot repeat it too often, that the further the diseased part is out of the course of the circulation the greater must be the loss of blood; - and the hemorrhoidal veins are considerably out of the direct course. The prophylaxis consists in vegetable diet - laxative regimen - It is much better to keep the bowels soluble by diet than Medicine a diet should be used that contains least excrement... Ophthalmic state of fever - a disease of the eyes often occurs without apparent inflammation - pain - dulness &c. After a bleeding inflammation will appear - another bleeding or two will

remove it.. Remote causes - Rheumatism - and all the general causes of fever - It sometimes accompanies Dysentary - cold feet will cause it - either by a natural or acquired association. There are associations which are acquired by disease. - The exhalations of privies have caused opthalmia - as has the juice of onions - smoke - sand - dust. translation of acid Matter to the eyes - &c.. In Kentuckey the Pollen of Vegetables has been known to cause it. The light of Snow in a sunny day - great light - heat - as among cooks - Excess in venery - &c. Remedies, 1st. darkness - the least light often causes great pain 2d. Injection.. But where the system is not affected, the eyes, like the hemorrhoidal veins being out of the circulation few may bleed 100 times and not cure it; therefore the Injection should be local - viz. by scarifying the veins on the sclerotica & purging - very low diet - blisters to the back of the neck, - but they often do more good to the temples. The blisters should

be about the size of half a Dollar, and confined by adhesive plaster. Cold water to the eyes. A great oculist caused his patients to sit with their feet in cold water; and have it applied to their eyes at the same time: This probably acts by inducing a general rigor. An Eye water when inflammation is light may be made of Wine and water. Brandy & water. Lead water. Also Rx. pulv: Calminaris, and fresh butter, as an unguent. Rx Sulph. Zinc zi., Acetat. Saturn: ℥iv, and aqua pluvialis one quart, Mix. This has been found a good collyrium Rx. opium zi. galls ℥ij. and water ℥iv mix. Rx. corrosive sublimate, grains vj. Spirits and water each vj ℥ Mix, and apply to the eye. Rx. Liquid. Laudanum. gutta LX, & Spirits & water quant. suff. also salt & water. Sassafras pitte and water. When Ophthalmy is owing to an inverted hair, it should be extracted. When iron filings get in, use load stone, or a magnetic Needle to extract them. When an acrid liquor, as tears cause the disease, quince seed bruised in water, makes a fine demulcent. When every application fails a salivation must be tried. It is necessary to be acquainted with all these remedies. We should have our Quiver full of Arrows to fight this disease, & when one fails, try another. When the disease occurs in Autumnal fevers, and especially when it puts on a periodical form; use the Bark. Opium pills have relieved it in such cases. to prevent relapse, avoid

exciting causes – one frequent exciting cause is a lucid & vivid fire – Hickory wood has caused it, and oak wood cured it / or rather let it get well / by giving out a less luciliant light. – Odontalgic state of fever – The decay of the teeth is generally preceded by tooth ache. They sometimes appear decayed before pain occurs; but may they not have been affected with a chronic disease, causing this decay without much pain? This state of fever occurs chiefly in the inflammatory period of life – of course, Dr. R. rejects the notion of salt, sugar, fruit, &c. causing decay of the teeth. They are only exciting causes of pain in the decayed teeth. This is inferred from the sound teeth of West Indians – Negroes & French people who live much on sugar, have sound teeth. Sudden and great changes of climate, cause decay & pain of the teeth. Toothache causes swelling of the Tonsils. – Sympathetic toothache of one in the opposite side. – Where the gums are affected, they should be punctured – but where the system generally is affected, blood should be drawn from the arm – purges – opium internally and externally – roasted figs

or raisins, applied to the cheek/gums, - ginger. beeswax, and pepper - cordials - wine and a full dinner have cured it. - Sometimes gumboils occur, which mostly end in suppuration, which destroys the roots of the teeth - In this case, extraction ought to be used or the decayed tooth will affect its neighbour. - Decayed teeth ought to be extracted because they im=pair mastication, and consequently digestion. They collect acrid & putrid matter - are the in=let of morbid excitement - are subject to wounds in the nerve, which may cause vio=lent commotions in the system, &c. &c. &c. Now, to avoid all these ever to be deprica=ted consequences, - Dr. Rush says EXRACT!

Febry 12th. Lecture 78th. Directions for treating the teeth - Let the milk teeth be extracted as soon as loose, to make way for their suc=cessors. - Handsome teeth generally last long=est. Extract teeth as soon as they begin to decay. When horses live on soft food their incisors grow too long for their Molars. The teeth require exercise - If horses do not eat grass, they should have unshelled corn

ear-ache

to keep the teeth in exercise – avoid acids – they erode the enamel. Wash the teeth after meals; especially after supper. avoid using the teeth at what they were not designed; as biting hard substances – cracking Hickory nuts, &c. – Remove the tartar from the teeth; but do not rub them too hard; powdered charcoal is a very good dentrifice –. Transplanting the teeth is not a good practice – Neither is pivoting them advisable. Otalgic state of fever is a common disease among children – in sore throat, &c. Remedies bloodletting – purges – cotton with Laudnum on it, put in the ear. smoke of burning sugar; Tobacco smoke &c. – Aphthic state of fever – is never a primary disease – is often caused by retention of the Meconium in children.. In a true Pleurisy it is a favorable sign – and never occurs from the use of Mercury. The remedies should be regulated by the pulse – Injection – Mercury Gargles, of sage tea, honey and vinegar, &c. Scrophulous state of fever – is a disease of the arterial system, originally – but is thrown out on the lymphatic Glands – it is endem

:ic in Barbadoes - It affects all the glands, and several of the viscera - also the Bones when it is called Rickets - It is most common in Marshy countries. - Remote causes - Miasmata &c. It said not to be attended with fizzy blood - but it is be=
:cause the action is beyond that which produ=
:ces fizzy blood. - When the pulse is tense, b. section, purges, &c. when feeble give Bark; except there be pain in bones, when Fothergill says it does harm - Cold Bath - Sal. Soda - Mercury - Burnt Sponge is good only from the ~~Mercury~~ Alkali it con=
:tains - Soda is better - . There is no disease which requires so frequent changes of Medicines .. all the remedies proposed may be right or wrong according to the state of the system. Sea air must be bad during excessive or morbid action. Scrophulous tumors should never be opened, except when near an important blood vessel - . An abscess of the li=
:ver should always be opened - scrophulous tumors never; with the above exception - . Use discutient and emolient cataplasms. - . - . <u>Scorbutic state of fever</u> - is common in moist countries - penury and want of food have caused it. - marsh miasma has caused it; in this place it is called Land scurvy. - It is an <u>extra - verted</u> fever, or disease

the bloodvessels .. are not the fatal cases often owing to defect of early injection, and other depletion? Experience proves it to be the fact. – Vegetable diet is useful partly from its lowness of nourishment. Nitre + vinegar &c. – when the system is low, – cordials and spruce beer – jay of returning home &c cure it. –. prophylaxis – wholesome aliment spruce beer, &c. Meat is said to putrify first next the bone – cut it from the bone & salt it.. Molasses has proved prophylactic. – avoid sleeping near the sides of a new ship. Those whose Hammocks are in the middle of the ship have escaped it – while those at the side had it –. Wear flannel next the skin – live in high situations. –.

Convulsive state of fever – often occurs in children in fevers –. Touching the patient in certain states of the body has caused convulsion; – even speaking to him has caused it – Bloodletting according to the pulse – & Cordials – asafetida – volatiles &c.

February 14th Lecture 79th. Hysterical and Hypochondriacal states of fever – are attended with death – phobia – are troublesome. require tonics – cordials, &c, –. Cutaneous state of fever – is morbid action suffocated in the skin.. Dr. Rush supposes Leprosy to be a chronic disease, suffo-

=cated in the skin... Tired Capillis - owing to all the causes of Autumnal fever - Remedies Bloodletting - purges - sweats, &c. - Gastritic State of fever. The stomach is often symptomatically diseased but it also affected idiopathically is irritated by acids - distended by wind &c. The worst cases have been without pain - but in lower degrees, it is attended with burning pain in the Gastric region - quick tense pulse - it sometimes ends in Black vomit.. The remedies should be 1st. prompt and copious rejection.. The stomach runs on rapidly to a kind of death, - somewhat different from a mortification.. This rapid tendency of the stomach to death is probably the cause why yellow fever often does not yield to rejection after the 1st. day... Enteritic State of fever - is so often a symptomatic disease that it does not require specific attention. Apoplexy - The flap in Apoplexy, is attended with snoring - without previous watching. The pulse is bynoctic, Synochus & sometimes quick often very slow.. A quick pulse in Apoplexy is not so dangerous as the slow - because it shews signs of reaction... The worst kinds of Apoplexy, is when it is attended with foam=

ing at the mouth .. paleness of the face shews the disease to be retrocedent - or determined to the brain - it is a bad sign - also sweat on the fore-head. -. Remote and exciting causes - excess in eating - tight dresses - long speaking - aziall in ofendinst words - Insolation causes a lys affection of the brain, which sometimes ends in mania - apoplexy is a greater disease of the Brain -. The smoke of Tobacco has caused apoplexy - as have straining at stool & parturition - violent emetics - stoppage of form hemorrhages - of running ulcers; let us beware of stopping such in persons predisposed to the disease. Damp & very warm or cold weather excess in eating - missing a periodical fit of the Gout - lightning and electricity - malignant fevers - long protracted headache - &c. have caused apoplexy. The brain is affected with a rupture of the vessels, call'd extravasation, which is generally fatal - or by congestion, call'd intravasation, often curable. - There is no difference in the symptoms, whether serum or blood be spued - The same method of cure is required in both cases .. The third fit of Apoplexy

is not always fatal, as is generally said. — It sometimes attacks a dozen times, and sometimes kills on the first attack — It comes on people who have long necks, as well as short — young, as well as old. — Premonitory signs — drowsiness — dulness tinnitus aurium — snoring, when the patient is unaccustomed to it — terrible dreams — inflamation of the head and neck — double vision — giddiness — head ache — numbness, &c. In this state, Vejection and a purge will remove it. — Dr. Cheyne says occasional Vejection in old people renders the decent down the hill of life easy — probably by averting Apoplexy —. It also preserves the intellects.. Sometimes Whipping will cure it. — — The first thing to be done in this disease, is to empty the room of all unnecessary attendants — loosen all ligatures; and even remove shoes and Boots if tight —. Most bloodletting in a proper manner —. It should generally be prompt — if not convenient to open a temporal, carotid artery, (or jugular) — open both arms at once. But sometimes it is as necessary to abstract blood as gradually, as to apply sti

melus in some other diseases.. Vomits are recommended - but they should only be used when it is brought on by a full meal, or worms.. When it cannot be excited by emetics drugs, tickling the fauces with a feather will often induce it. If the head be hot, as when brought on by drunkenness, apply cold water and ice to it - have the head shaved, or hair cut - open the bowels by acid Clysters - Bleeding should precede these. - A pressure on the Carotids has been found useful. - When these fail, try stimuli, as Blisters to the Arms, head and neck - Cataplasms of mustard - friction - certain sounds - electricity.. pumping cold water on a drunken patient has cured it - 1846.

Febry. 15th. Lecture 80th. prophylaxis of Apoplexy - Temperance in eating and drinking - but not abstinence - avoid heavy suppers - and yet an empty stomach is nearly as bad - The quality of food should be attended

to - and adapted to the tone and habits of the Stomach - for the stomach is a vindictive Viscus often remembering an injury for years and is very shy of new acquaintances! Boiled meat is less stimulating than roasted. Drink must be attended to - Malt liquors are too heavy and strong for those who do not labor or use much exercise -. Garlic is good for giddiness in the head - it acts feebly on the arterial system - Exercise is good but fatigue is bad -. All the exciting causes should be avoided; as violent muscular action - tight ligatures - intense study - long standing - large assemblies - cold feet - sleeping on the back with the head low; or on a soft bed - stopping an accustomed discharge from the system - The use of Tobacco should not be laid aside by those accustomed to it - a constant determination of blood to the feet should be kept up by worsted stockings, or if these fail Garlic to the soals - or burgundy pitch plasters. Remember Gentlemen says Dr. R.

that the whole system is affected by the feet. In all cephalic diseases, the feet are dry or cold – an exception to this hardly ever occurs – cold water to the head has cured drunkenness – as have fear, and anger. – . Palsy – sometimes attacks one side; when it is called Hemiplegia – paraplegia is a palsy of the lower half of the body. Nothing is more apt to bring on palsy than the fumes &c. of lead. It is also caused by half cured rheumatism – . All ages are subject to it but it is most common to those turned of 50 – . The pulse is often fullest on the diseased side – there is most pain in the well side – it is attended with a flow of tears – urine excoriates the scrotum – the tongue is half white and ~~white~~ half natural. Remedies – Bloodletting is necessary where the brain is affected – sometimes it is treated unsuccessfully by too small a bleeding. purges – blisters to the head and neck – . purges ~~the~~ should be given daily and constantly – aloes were used by Dr Bond. Vomits – warm

bath; the bath should be below animal heat, - as at 94°. - after depleting remedies. the Cold Bath. - Issues - salivation - excitement of stimulating passions - terror - certain stimuli applied to the mouth; as salt, &c. Electricity - this should not be used until depletion is used - it increases heat - Tying down the sound limbs - thereby determining the sensorial power to the palsied limbs. vide Darwin. a tight ligature on the trembling limb - this practice is taken from that of a schoolmaster, who tied a ligature round the arms of his scholars when they shook so they could not write, after play. The first sign of recovery is the use of speech; the limbs, &c -. Use stimulating diet and remedies after a full or tense pulse is removed - Volatile tincture of Guaiacum. Stools - bark &c. External remedies - gentle friction, increased gradually - Empyreumatic oils - tar Cayenne pepper, macerated in rum -

cold Bath - Electricity - [redacted]
lifting weights, increasing their ponderosity
But, attend to the pulse - pains in the limbs often attend convalescence - insensibility of the limbs is a bad sign - they are a good sign

prophylaxis - is the same as in Apoplexy
never lying long on one side. Nor sitting with one side always to the fire. Vide Darwin. have the pillows so as to keep the head on a level with the body. We should attend to these things; for patients are like little children.

Catalepsy. - vide Vol: 3d.

"It were good for men to think of having healthful air in their houses; which will never be if the rooms be low roofed or full of windows & doors: for the one maketh the air close and not fresh, and the other maketh it exceedingly unequal, which is a great enemy to health"!

This observation of Bacon is confirmed by Dr. Mosely. ——. What, the inhabitants of New Orleans to it?