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Dissertation on inflammation

Augustus Sammis Yale University.

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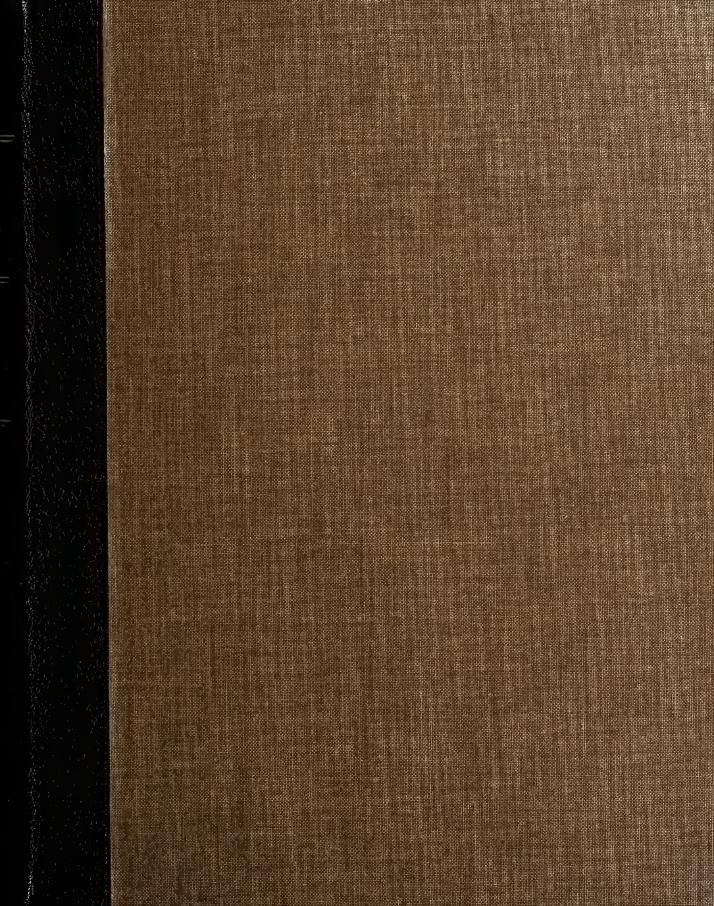


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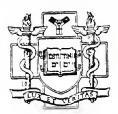


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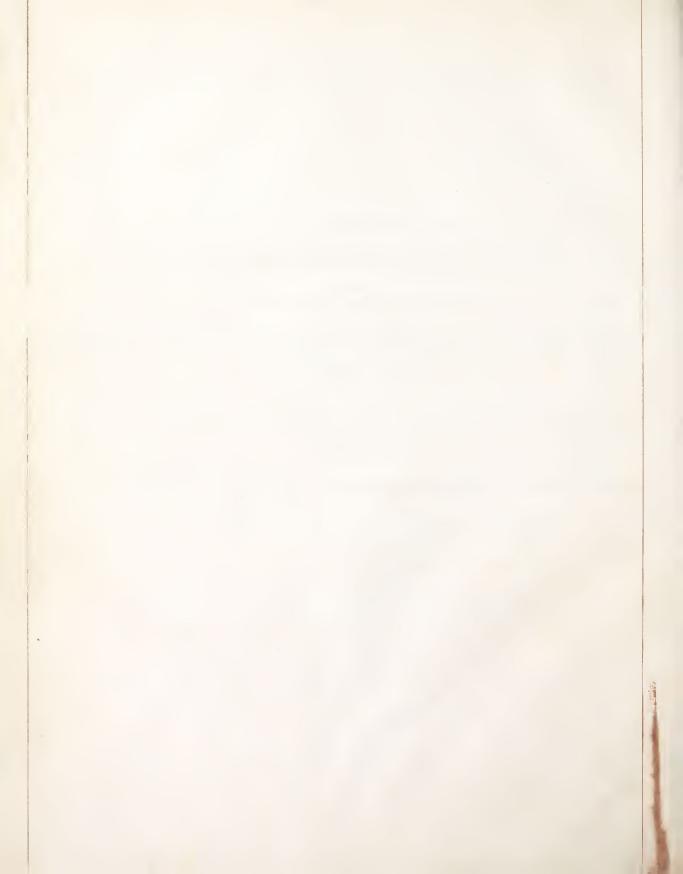
Candidates for Degrees and Licenses,
at the

Annual Examination,
in the

Medical Institution of Yale bollege,

Danuary 20, 21 & 22,

1847.

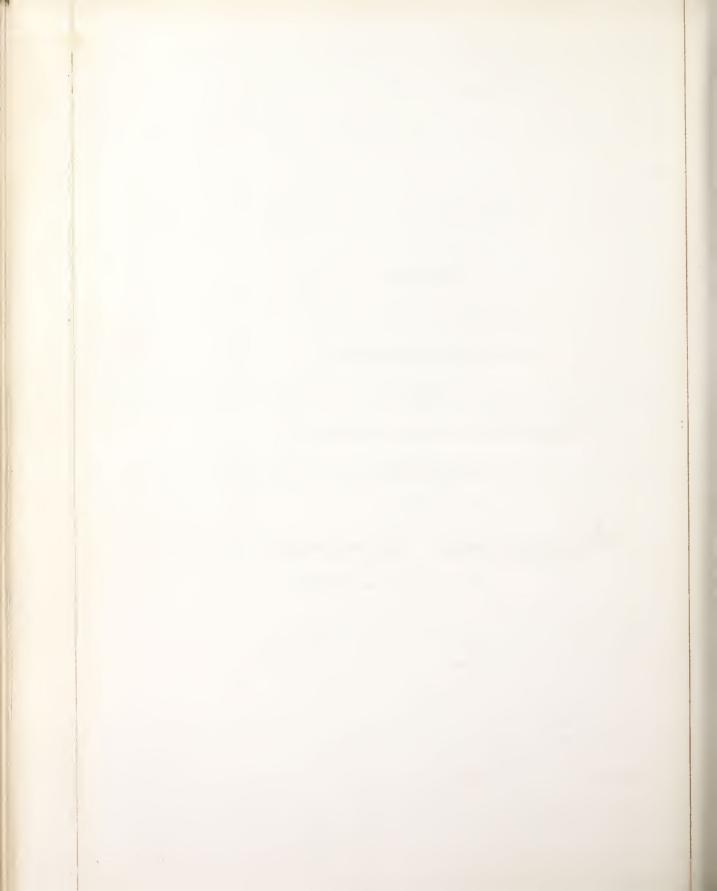


XV111.

Dissertation on Inflammation.

Augustus Sammis, B. A.
of Norwalk,

bandidate for a Liceuse.



. Puflammation

The term inflummation is applied to the at morbic condition which resembles closely wints few times and effects, thorewhich result from the application of sine to the lung body. There is probably no affection of the remains ys tem, which has exected more than this, the interest of the palnologist, with werened to the con elitions er sen truit to its excalenes, es the mode of treatment applienble to it in its runous modificulums, and it. sent in the different ory cans se parts of the long locky, and of such un fortunes is it, that some fall alogants have been che proced to refer all morbio, conclitions either to its presence, or as a result of its previous existence The opinions with reference to its nature and modes of action, at different periods in the progress of mertical serence. have surrew with the different news that hand pre railed chering those periods. Spee who trim has run wile, and fancy and imagination hure, at different times wo new this most form tustic, and me might say buchierous respecting the nature, curses, and treatment of this offection But fanciful as they may be, and although in courses tend with those hierows highly interesting deductions which have from a snord intimate acquaintance with the an atomy and functions of the humand system, from emeful experiment

they may affer on the advantage of knowing the many for lacies, which have opening from mend morning the many for and by thus lepening the probability of menseet neps in some our insestingutions, and by closury the survey one mes of error, conclude us on the path which may lead town ones of error, conclude us muts of path which may lead town on next oned renson able view of its makind, concluded is considered and the survey of the health, as time of the functions of the survey of the health, as time of the functions of the survey or the survey of the health, as time of the functions of the survey or the human ones tend

. Our limits well not returned, of more their a brief allusion to the surious theories which have been entertuined whom this outpet at different periods of the world, It is min thut the riens of Hoppoerutes respecting the matine of closened, governou thou generally of the modiene world, exerting more or less influence over these openious of surious seels, down to the close of the land een tury At obfferent erus, as some peculiar principle, exertento andy over the human mund, all theones were bent toil and from this fuet it is probable that reasons sind persented and all mores high troid frantial, a directed to one end only, to dis ever, the consistency between the facts that new presented to their con templation and the ond from explo they had suloptew as the quide of all their mestry aturns

Thus at ond period beneiced secures how attracted the attention of physicians, & all chrown was a the trite w to some change in the chemical composition of the fluires. Others again were ches presen to refer entirely the operations of the human system to the your erment of the summe luns that control to regulate the operations of mammate matter. The erromevus news which existen whom this on lycet were undoubtedly owing to thory nounced of the enen lution of the blood, con even after thechis consey of Harry, atthough the course of the blood in the las ger repels & the connection between there and the lymphus ie system haw been clearly as certained, yet the more minute cupillary system, which is mud munechatily concerned, in the phenomen w of inflummations, was titl unknown to this lend to the actoption of theories of the same funerful w absured characted as hard existed prenous to this important che covery It was thought that the blown & humas were rition tend by an excep of acid or alkali, or by becoming two reserved ghitimous, or too thinks watery. That the on en lution mustoo rupe a or two slow, and even on hoeyer ently in the ex ame nation of the outself ary system, congecture exerten a from erful influence over the fire ruling news of the age Diseure was suppored to wire from the nature of the year

ules of the blood their sire our form compared with the ref. els muchion they even latere, to at he at was produced from their testuration prefice and free low, that they were incede like wedges into the small repels, was delayer, that they werd rendered acree. irritating and inflammatory from an 4 cep of acre. that by staymation they became even a con gealed. that by poverful reaction the ende make wascon eveten una depolien. The tumo suchs iding by the for meeting of hus, and the humas climenatew and con reger our my by the mortural patenges of the body. The solids also from elebelity were supposed to be consumed in the prochection of cliseure from the un perfect we trong the functions of mutation. It is natural to infer thus enter turning releas so fere eight in their churcher that their modes of treat ment should enespound, & accordingly no find in their list of remedies elelagents, inspificants andisepties, chipolients & e,

some faint ghimpses of truth and the rumenous er rows that so long prevailed with reference to this in portant subject. Its progress was like that of many other principles in the runions departments of seened

time a proper actions of the different parts of the physical system, its theores became more consistent with facts and at length after winding through all the many hair youths of virin any a competitive speculation it emerged into the higher of a clear a consistent theory when a subject to intimately a extensively con cornew in the surious phenomena of chosenic, It is highly interesting in tracing to progrep, to perceive that struggling with error as theory often theory was clearly but the less ding minds that successful arose with action by the less ding minds that successful arose with action of the series of the less ding minds that successful arose with action of general

With this bireform husty allusine to some of the ew nows openeous which were entertained in the landy his tory of the healing and me turn to an equally breef notice of those of the present age, is the first subject which is pre senten to our content platia is thus of the physical organic. In me pathological consideration of the enembedient. The menous a enculatory systems are two principality some einea of ectew in the phenomenon of in flammer time, of the former the ganglionic, of the lutter the cupicles my system seen to demen a our primary attention, although

the other her great chouseons of each of there systems may be more in lef comme eten with the production of this morbia condition. With rey one to the cupillerry system not has been wo subject of much ches suprois with olyperent physiologists as to themprepels, popefing any action inde pendent of the beaut so lungs arteries Forni clany that me have any proof of untatility in the time out illures and affirming that the contraction of the heart is the prin eshal eurose of the papage of the blown through thewrep els. But its no believe now generally acknowledged that they have strong powers of extension to contraction and that their contractely increases in proportion as they become smaller, Their melehen dent action neems to have been amply pronew by the runew experiments of different distinguisher playerology to, sund when the enen la trino mi the mesentery of the from en well of its fort. Here we long as the even lation proceeded neutroully no change was her och tible in the chameter of the small arteries a enhellances, but whom the appliention of stime li an alteration in them was runned sitely observed. the contraction continuing sometimes, for a considerable length of time at other censury in about ten minutes and the

refels resummy their nuturul elemensions, We had also it is such proof of the contractility in the different momen tum of the bloom in surver parts of the body. An emotion of the min as a sentiment of shown a feeling of resent me at causes the check to become flushew or by other emo tions as that of few they kee emption of their contents and the counter on ee be comes pulo. Also in confirmation of this, the phenomeno of local in flam in extremitively have been addingen in which there is in creusew is dnep of the hours, without the general exculation exhelicting signs of in evensed activity to exertement; and as it is here that the functions of recretion is mutrition one per ! nnew, A would seem alsolutely epentive to the prop in as complishment of this important functions that there repoels should pople the entire control of the flucto en en luting in then And yet it is not deried that other courses in agexers an influence over their activity, The increused activity of the yeneral enculation may propell the bloom through there refrels in such quantities and with such force as to our come their contractite power, But this tulen in connection with the proofs of their properting a

distinct pour in themselves noula enclosed merely that both there courses were concerned in the discharged their peculiar function. We mext come to the considera tion of the sufference of the nervous system when the enew lution, Whom this subject there has been the sum clips whence in the openions of different physiologists, some as ending the action of the hears and enteres entirely to the influence of the cerelis-spinal system, while others achoft en openion due elly the reverie, But the unise at a correct em chisroir, it be comes us to you an muf entral consideration to the arguments advancew in furing euch supposition. From experiment it has been as eer tained that the enculation many continue even after the brane to spinal marrow have been en trely clestroyen, but the molependent power was exerten only for wishert hime, becoming gradually left until it entire by eeusew, endently showing that the my owns o healthy no time of there refiels is indirectly elekendent whom the cere ho spende system And again An excelent thus is not chreety dehendent on this system from the food that when a portion of the body has its connec two with it entirely destroyed as in paraly is the

function of enculation o mutrition have to acertain 4 tent still been euriew on. Both systems of news we even formy the blood repels, the feluments of the sympa thetre following them to their minutest rumifican tions, The proper conclusion here then would seem to be that there two systems are dependent on enchother that their influence on the enculation is uniter at once showing the entire connection so be untifue harmony that persaile the system, that there is no ex clusiones in its operations, but that they must. all sombine for the healthy a my crows preservation of the from explo of life.

As we have premously staten, the error and alemno theories that men former with reference to the phe nomen w of inflummation, arose from ing norumed of the time an atomy and physiology of parts, but as this advanced theory he came more consistent and elevis, yet subsequents to the perior when m norw hours were such such and enter turned, form dew on the vente and emeter meshy atoms of experimental philos offy, much perfectly existen as to the actual condition of the factual conditions of the factual conditi

of this cheseure. It was form a defficilit to render cousin tent the fact of suelling which must result from an more and in the sere of the refels with the rilew that in an in creused activity of them there must necessarily be also can in evenue in their contractile power and a chimo nution of their enliber. Hence arose the hypothesis, thus all the phenomeno must elepend on w relaxew con detrois of the sepels as from any, and this doctrine was actroew ten by some of the most distinguished physicalogists . It probably originater from too su herfice ab an exam mation of the one tion of the repels, during the change which took place on them from the application of execution to the parts, It has been statew by Do Wilson, that he could ore ate morensew action in the enfullaries without proclusing influence ation, but that when it mus estate lished the refels new former in withter of fireternatural distension to debility and some on though shightly modified news new enter tuinew by other in chinish als. It was whow rently ascertainen, that certain stimuli applien to lin my parts unchneen un mereusew flow of blood una w contraction of the refrels, During this state of excelement the part offected is no for from growing any thing like the

appearance of influm mation that the sire of the repels was diminished, and the part pules; Bout if the stringlus be long continued is increused in power, the our alloses sels which in their natural state, admit only one series of globules, be come so etiluten. as to allow em accumo lation of a much lep fluid come redder blood in them which looses its ylobulus appearance, o mores much more slowly than that which frem ously paper and of the stimulus he removed, the refsels do not won no gain their original state & that time is required forther to recover their contractite power to restore them to their prenouly healthy concentron a prenew the blown propelled by the heart from heeting up the chlution" He en co itums inferiew that inflummation consister in a debili taten condition of the cupillaries whereby the bullance between the large and small repels was love, our the latter be come distended, The changes which recur in the parts & the subsequent condition of the repels reem to be ease etty staten. But one mos merely the me chancel effects taken into consideration without very une to the situlity w sensolality of the purts, So far as the shaving goes it seems plansallo, but it appears in aclega ate to account

for all the facts. When a strumland is up the liew to a pund there is an in evenue in its sensibility accom punion year erally with some degree of pain of the strumland is con trenew it arouses the contractility of the repels to as a mut mus course greenes of this morlin excitement un in orcured flow of bloow tukes place towards the fund of initation which also acting as a stemulus hurries the executation shit more, until ever uterably more than then usual quantity of blow is collected in their refels, & as the neigh bouring refiels one not synally exciten, the fluid in the dis tendew repets is not ourreed off as grantly as it armes. Hence an accumulation ensue, a w preternatural existens, on follows, not from wherever eletility of the enhilluries, but from this fact, It has been as certainen, that bloom repets, like other clas tie toforus, are out able of being this tenden to a contain from in thout loosing their elasticity, but as the freque of the blood increuses, A finally becomes more than they can resistuespeocally of the larger repels are also irritaten & the general en endution hurriew, & with the chistendron the action of the enfullaries finally ceuses, for be coming diluter beyond the hunt of their elasticity, they gradually love their pour er ober their emtents so thus be coming mero most tribes

the circulation proceeds in a langua & struggish manner Here it apheurs to me the debility of the repelo is not their primany condition, but a secondary effect resulting from over distension As a natural consequence of this aftered condition of the part, its healthy functions are interferen with, The mat unal change in the blow eenses, retaining its sind new appearance not only in the cupillary certeries, but also in the reins, the cough lubility of the blood is in creusen by a defrerency of serum, & the ylobale, becoming blenden the functions of the part we finally almost entirely suspended The en detern of the part then seems to be the following con increase in sensibility una quantity of blood with a malie Mistension of the refiels, smelling to red met, cho appearing under prepine, in creased heat, and pain, the enculation at flist hurriew, then lungues and opprepew, with un interrup tron of the healty action of the part, This is called the shite of as this congestion w fuel periow, which by un mereuse in the morbio action is followed by inflummation, succeed chew by a number of phenomenwashich give a full oclocided character of the disense

There may be a delitituted state of the repels, resulting from many eurses, allowing an accumulation of blood in their

for so unless reachen takes place from the shin alus of
the bloom in du eing on he eymently influence who by apares
permain, in this condition, which is culten that of papers
congestion. In the own there is complete espatem of the ac
tivity of the hart, in the other reaction ensure, and to effort
to restore the part to its original healthy condition, char
acterieus by an in escasew circulation follower by the
gradual men of estation of the symptoms of my the

Another from of much insportance in the consideration of the phenomeno of influm mation is the montre who curum or on direction, Om burowlenge of chieure must dependen its accuracy, not merely upon the organitions as they are presentew in the hung borby, but on there combined with the changes, that may have recurred in the tipmer as an effect of the mortin action, which has been us worth in the sign tem, But a difficulty here presents itself. the fuet that there may be appearances, seven bling throw of suflum new tion which we only exclavered, The different harts of the body afrance rurious eleques of red net ofter death, which we are leable to asen to to the effects of diseme, That mehrs

the fact, is now generally a chr. order year, By carefullyinspec tring the my ans unemechatety after death & no herry their color and appearence, by a subsequent examination me shall find that there appear uncer have changer, Parts naturally white well have be come new, and the highs rea of other points rule have aprimen w deep new & congesten appen and and repels be seen where now men prenously percep tible, and it is also popular to proche so there appenimen in different huits by plucing the body in different ho setions. There may be new putetes in numero fruits, new lines fel bring the come of the bloodsepels aurning from the voring of the blood through their nules and my esting the parts; and also the lile sturms of the organs new the guld blustder have been mifitution for wimerbine appear and, The rew and ruge clear condition of the more unpertaint organs as the law ye have 80 probably arises from the contractite action of the small. repels, after the action of the heart has coursed; also the chien guyement of gases from the putrefactive process well proche el different colors in the arguns, from their pen etrated fromer changen the the flerids and affactinghoun green clin lints, so,

Being amon of thew facts, it is necessary thereford to

muho ar ome fue distriction be liven there purious endur erie appenences, and those which one the usult of chame From the facts a late as above it is when that reclinit alove dues not suclence inflummation, neither elves a distension of the refets and time faction in increases thick, nep of the of the parts as all there take place in the loving body with out inflummation on cleath from the your tutum of the fluids is their trums nela tron through the realls of the repels. The following are stuten to be the only ance signs of miflum mation, Considerable increme of sus endur sty with extrusacion of blood we congrebable by in the a the formation of pres & other products A very minute ingletions shrefly of am all arterino brunches; a min view evlow chesposew in clots w strine occupying the whole thick nep of the tipue and not remove able by prefere a ablu tion, shots of exchaganosis vecusionen by the ruh has of some of the small repels, effersion of blood on the sen face outs suflitution unthen the lexture of the hunder . But revenue of there appearances result also from more papie engestin as redness and shots of exchy moss so The distinction between them is that the singer trouber is senten in the seins, and has acturbo color, while that

while that of active, congestion exists in the arterial repels to has w bright vine hue; In the former the texture is flubby shower many. be carrly luces aten, while in the other there is a firm up of tex there, in dicuting that w higher degree of activity how premously exister in the part. It acknowle digood, that of times it is almost into opible from there signs alone to distinguish accurately between there two forms of congestion, no smust ergo take other car crows tunces into consideration as more of eleath whether molent a mili, also the native of the disease offecting the wich richal as there are chiseuses of the heart, esphyriu to who ch muy have been agents in the production of a congester state of the membranes of the body

Draymon's This may be considered in two divisions, I When the influence of external, I all the interior affecting the interior agains to the present of an extended enough the interior against the parties at is local enough unthin certain luncts, to without the graystem being generally affected. In the latter it may extend until the whole system symphotheses, metricing constitutional shorten hum as In the fames we have local signs apparent to the eye or truck they have been stated to course of form, obstor culor hum or rubor they have been stated to course of form, obstor culor hum or rubor they have been stated to companies of form, obstor culor hum or rubor they have been stated to companies of form matern in a pury much much interior form simple unaccount of the part to the most

solent suffering bout this alone is mit alings in cheautre of inflowmention, as it in my same from nersus irritation met must exercise form without any redness a time for time of the paid Hero it ares from the irribution produced in the nesses by the exciting ourse, w from the new ever eletion which the parts how afrance producing a comprepion or the tension of the neves. There may be throbbing pain resulting from the comprepring mercus matter at such finds along the artery is the chanceles of the jum will sury with the tex time of the heart, also be in proper tion to the number of neves with which the parts we supplied count to the severety of the suflam mation. Where the nervous feluriante are minerory the pain is acute Whee the parts are firm ourguelding it will often be exceeder gly severe producing constitution ab disturbance in the shin it is prin gent is burning in servers membrunes whash & luncinating in the mucous and cellular tipues, dull & obsence, When it is he ary and throbbing it is in the a tre of suppersution Ano their symptom is hear. The elevation of less perculino in the part is perceptible not only to the patient but ale to the physnerum. But this symptom alond cum not be relied on as me die a tro of meflummation As this elevation of

temperature may arm from many other, courses, and it has been remarked that it would be useless to attempt to gue an expla mution of the curso of this phenomenon, as probably no perfect by satisfactory theory has yet been established with reference to the some of animal head, It is summarely stated by one on the to be owing to the blown paping in greater quantities to in evensew selveity through certain of the sepels which even time permeable. The tumor a smelling arises first from the chilatution of the repels by an increased influx of blood and then by the subsequent effersion of rerun, evague lable lymph . We may also remark that werther is this sign alone chaynes tie of inflummation as it may arise from survers other curses me connected with suflummatory action, and the extent of the snelling will alo depend on the resenting of the influences tun and tex two of the part, There duef arises from an increus ell queen tity of blood in the refiels. But the rest nep mughe ceeus wew by a trunsiend hurry in the one whation producing a suo mentary flush muce companied by the other symptoms of influencation. This works be morely won atural consequence of mereusew healthy action; to be come a morbie everdition it ihould be permanent & accompanied with from be at und swelling. It's ruteriorly will also sury with the lexture of the purt

In fehous mentiones, in entiluge dender tou vont is alight while in the mucous & similar manhanes it aprimes a bright, visid hue, A may exist in shefferent shades, from bright remlet, touchule purplish color, deepert in the centro, and showle gradually off anto the surrounding tipue Such breefly me the local rymptoms of this affection, But when internal enguns end influence, there signs may off and us but lette wins twice in chagnoris. In such would we must form our chaynoris, when the yeneral sign plows in connection with the clisicalered action of the ayun itself Sout one of the prenous signs en aid us here, six the fram and yet this is not always present, as certain tipues ruglo influence so the clisamo lesmon cite fatully without this endence of its existence although it may generally be deservered frefs me But one of the mist important symptoms is the descrete in the from etern of the influence organ, with an arritatew state of the constitution characterises by the usual febrile symptoms is besides there surious other signs one from ten out, as under atue of the chifferent localities of the closense, which count in some munatural expreprior of the countenance, change in the rosce a cetions by which the healty herform wee of the functions of the internal cry and mornifested to our renses. When sew tew in the bearing the face head a eyelrous are corrugated the

eyes ween a wilw sturing and heavy expreprient distension of the also musio a devawing who of the commission of the. lips & cheeks with protrusion of the eyes & hearing of the shoulders in dieatents rent in the thornere pisceres A surking of the checks a druwing downwards of theun gles of the month with w pur chew and fullin appear ance of the features and sunher eye, in che ato un offer tion of the recere of the ab domen. When it is renter in the trum it is also characterisew by delirum & chimnels of resion by com a to consulsions, when it is renter in the larger the rocco is shrell, house & feeble, with a priching sens ation is clifficulty of breathing; in the pharyng it is characterises by difficult doglution without any office tron of the roice a resperation; in the lung by cough nocia blovely purulent expectoration, when buspand elifficulty of heathing; in the stornach by rever pain in chiquestrum with burning hear, excepire mun sew and somiting. The termenations of influen mution and briefly the following, I'The morbin condition many papaway without any alteration in the structure of the parts by what is culten resolution, It may trunsfer its rent to another purt of the system, by metustusis, weffers in my luke

place when the suspendew function of the part is restorew; in supporation a the formation of pres, in your grene we the complete death of the part, in in elucation as a continuence of the human as in the opposite state of roftenny occurring in the hum new our mentice ec, Trent ment, It would seem we cessour, to premise that there it well to modifications in this adoptew to the recently of the deseure whether acute ex chronic, to the state of the patients a the nature of the ayun affective no must also consider whether wielaxen conclude of the extreme refeels or the activity of those communication, with their chemends our first attention. In general in the treatment of infla mation, two indications are lain elvem as effective 1 To recluce the amount of bloom in enlating in the repels of the action to of the hearter artere, 20 To deminish chreetly the excitement in the part and mochfy the morbice con dition of the extreme repels. There the in cheations are not however alivas present, In all ouses of active ruflum mation accompaniew aut severe constitutional des turbance, general blood letting is of essential unt, ntunces pour to wharly so when it affect, important ory and Although no prefine & definite rule can be hair due as to the amount of blow to be abstracted there are remain eveninstances that may quiclo us mi the proper employment of this remerty ! Ain ony the symptoms of internal influenmation is that of the che

turbunce of the function of the part, When this is restoren it is sure evidence of the cepation of the mortin con eletion. But if it has only partially been restorew or a relapse has followers, the fine ther abstration of blow will be necessary 2, Another symp tom which altracts our attention is the pain is sen es ection as a powerful a appropriate means of subduing A. O. & should be em ployed until this symptim is relieved, But should this only be partially removed wre que again A mich cutes further ele pletion, But fartienlandy close the pulse dim and our attention yet it sures in its character. In influm mations of one kind As frequent full & strong in others have werge tenses There con eletions of the pur be being in dieutio of the employment of this remedy, A should be continued until the pulse is brought as near us may be to the healthy stundered, But how ever in portunt this symptom many be in the molecutions for the rese of the lun cet it cummo always be dependen on alone but it must be combined with the other signs as in nome ines of influen in above it may not exceed the healthy arer ago or some be cultivity of the person may render it when taken above con unsafe guide. We must also have regard to the churchen of the disense as when the adjustrale has been permitten to pro grefo for a time the effeciency of this remedy becomes hunter But as no how remarken, the two mother ations law domain not always present as then may be ease me which although deple time is in chievalen, general blood letting may no be required the such ease we have recome to local depletion as when the reflection as shight, the patients too weaks a deball have to actuait of general bleeding as when as no how just states the actual of general bleeding as when as no how just states the actual symphone have papers

There are other secretizes, which also pussely whenver free contrete over influm mator, action, as mansenting dones of the Faster trew Antimony. 1/4 of a green in solution every trev in there hours a guen to the belowned of the system. Openers also used after full remesection often with the mast beneficialize sults, by its rect a time a year ey, controlling the power of the heurs to arteries, preventing reaction in the system and removing erretation It's defferent fret and trous may be action unstered as the cure may reem to demand either in full dones of from one to three grams of roleir ofrem we your of its sults in solution, After restation, there is emother from enho which exerts as prover ful con trols over in flummatory action, & that is results son or clere sution, This is one of the effects of the open tion of purgeties, which is also combined with that of deple tion, By meta very an unterter con obtion of the surrevus

membrune of the almentury canal they exert a derinative wrevels in fluence up on the morbin action of distant parts of the system. Merenry may also be meludew under this elup to important has this remedy been considered this with in ung it has obtained the repretation of a sheefie and the term in flum mation at oned suggests this as the remedial agent and amplo ex persence has attested to its power in che ching the proyeep of influence two in many of the tipues and it is remarked with reference to it, that it appears to have a Le en him power in anesting a controlling the action of the outelluries and preventing those changes from tuting place which are no destruction to the organization of in flumen tipues

When its constitutional effect is speedely required it may be administed of ter senesce tion, two grows of culomed a five of the hydraryyrum bun cretw may be given every alternate hour, But if this is sont ammediately required it may be given at longer interials, Its action on the low els may be given at longer interials, Its action on the low els may be restrained with the addition of them own so happy is the effect of this combination one internal influention mation that after senesce tion it has prosected self the sword efficient remeting no happy

In reference to top, end brend ment where the in flumen point seem be reached the of the refels; when they we debilitated and relaxed show they we debilitated and relaxed show there is in oreusew welm on them out to contrusty where there is in oreusew welm in them color and red ature remedus with the the hetter af the entire to the fort of on the part of mental with the hetter af the entire to the part of one of the connection with the hetter af the entire to the part of our or entire to the mental and looking rest who will be enjoured, on we then the chet when her he show here is the one of the superior on the chet when here he show and such on the superior of the chet when here

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