Yale University

EliScholar - A Digital Platform for Scholarly Publishing at Yale

Yale Medicine Thesis Digital Library

School of Medicine

1-1-1863

Dissertation on the exanthemata

Charles Griswold Merrill Yale University.

Follow this and additional works at: https://elischolar.library.yale.edu/ymtdl

Part of the Medicine and Health Sciences Commons

Recommended Citation

Merrill, Charles Griswold, "Dissertation on the exanthemata" (1863). *Yale Medicine Thesis Digital Library*. 3851.

https://elischolar.library.yale.edu/ymtdl/3851

This Open Access Thesis is brought to you for free and open access by the School of Medicine at EliScholar – A Digital Platform for Scholarly Publishing at Yale. It has been accepted for inclusion in Yale Medicine Thesis Digital Library by an authorized administrator of EliScholar – A Digital Platform for Scholarly Publishing at Yale. For more information, please contact elischolar@yale.edu.



Digitized by the Internet Archive in 2017 with funding from Arcadia Fund

https://archive.org/details/thesesformd1842100yale_17

NCRNALK, CONN.

Harvey Cushing / John Hay Whitney Medical Library

HISTORICAL LIBRARY



Yale University

ICAL NIGENERAL NGRANS A LA Archives TII3 YII 1883





The Exandremata.

I am about to speak of a group of diseases which present many points of interest to the practitioner of medicine. They have received their name the Exauthemata (denoed now the Greek Ez Davde 1905 a glower , grow an Exception, an efflorescence which appears upon the skew. This cruption although sometimes absent, is generally present, + its presence is often the cause of great + even fatal desorder we the system. The deseases which constitute this group are, banola, baccinia, Scarlatina, Rubeola, bancella Pestis & Ignis Jacin. There are other deseases well might serhaps be classed with them. Typhord fever is often accompanied by an emption upon the skin. Jipphus fever is accompanied by an miption which was called by Dr Juner, the mulberry rash. But the diseases first mentioned are those es

pecially denomination the ceranthimate. The general charactenstics of these diseases are as follows - They are all peculiarly contagious descases. They varity affect the same indudual more than once. They are generally accompanied by firs; this precedes the rach & barushes with to appearance except in some cases. They are Epidemic deseases : of two committing great ravajos in the provinces where they make thing. plarance_ I shall proceed to treat of the characteristics which then diseases passeds in common, then of the methods which have been devised for quarding against this & finilly of the treat ment which from this general resemblance to Each other would be proper for all-Und, first, these deseases are the result of a peculiar porson, introduced into the system from without, he have the most abundant enduce to more that for each of them there is a specific porson - The tustory of small port of vaccution goes far to prove this. I male pox was

not known in North aminea before it's discovery by lotunited a yet within a generation three milhous of seable penshed in Mexico from this desease alme. Its introduction there is accounted for by the bisit of a negro, at the time suffiring under the desease - Again when vaccination has been intoduced the disease has been almost wholly tradicated. What a prospect does this offer to the suecersors of St Jenner: the whole world may be freed from this disgusting fest, which is the destroyer of health of beauty & of life. Then again these deseases do not degenerate into Each other. He who has been exposed to the contagion of small pox will be affected by small pox + not by any other of these alled deseases & have we con -Clude that for Each of these this is a specific Jorson the method by which this porson is introduced into the system is not known. It is in its nature So subte, that, though widence enough of its existence may be obtained, it cannot itself be discovered by any of the means which we possess -

The microskope shews nothing in the blood of per sons affected by the desease, which can be considered the peculiar porton causing it . In only know that I may be covered from an infected person in every concertable way & that it is often to converged when we cannot possibly discover the vehicle by uch it is borne. For instance: a storadic case of scarles fiver occurs: we cannot learn that the patient has been exposed to any contapions influence I get the desease may run through all its stages & communicate daelf to the whole neighborhood. He know the disease to be commented Contapous when it hus once made its appearance; we Can concise of no cause which shall account for its appearance unless it is contation: for the disease is no Caused by a specific porson & it is unpossible to prove in any case that this specific porson has bein journated in the system. What more reasonable informer, they there this : that the disease is the product of some unsuspected antapion & that it unranises spontantonly. The physician trinsiff may be the posson beavery instances avough have occurred in other deseases when

this has been the case.

The do not know how long a time this poisonous in ciple well retain its power. It is said that the baceme Vinus may be kept unimpaired for years if properly protected from air & light. We do know that under the influence of free ventilation, of delution with the external air, that it may be made almost innocuous - and this is one of the points to be regarded in treating these diseases. The porsonous atmosphen of the pest house shut in from all Contact with the external world, is sufficient to prostrate the strongest constitution This is perhaps, another source of contagion or rather another means by which the contagious porson may be borne. May not there deseases, originating in a specific porson be careght & given by our domestic and male. Not that a cat or dog night be affected with Scarlatera, but may not this disease in a human being be transmitted through a similar affection in the animal, to others of the human species. The probable method by which the porson gains admittance to the system is through the pulnionary neucous merubrane; here the blood had unnediate communication with the external air & here A

becomes contaminated. Now in our domestic aminals the nucros numbranos, perform the same functions as in ourselves: the circulation is camed on in the same way; what more probable than that they may be affected with discases of the same type as our non maladies - The theory has been advanced that the vaccine desease is in rality Small pox, modified in its character olessened in its maly. uty by passing through the system of the Cow, This may not be true : yet it seems a resonable supposition : " or if not why should it present an attack of barrola which may otherwise be prevented by mocentation with the vanolous vinus itself.

After the introduction of the porson into the system a certain interval seens necessary for the full developerant of the disease. This period during which the malady seems to be dormant, has been called the period of necubation, as if the germs of the disease having found a proper vides had during this time been readered fruitful. This period varies in length from ten to terrety days; the mean appears to be about two weeks - During this time are so peculiar symptoms: although it would deem when so powerful a makady is to make its appearance as through it was be heralded by some of those signs which mark the onset of descuse.

a kundedye of this fact is of value in an diagnosis of these descases. most of them come on with fiver web makes it uppearance at the sud of the period of marbotime nor if the patient complaining of fever, be in a district when any of them deseases an at the time opidence o he have written two or three weeks been exposed to any Contageous influence, we may rationally causeder him as threatened by the form of descase at the time prevalent & treat him accordingly. If the precise time of exposure is known our deagnosis is rendered more certain: since the preise period of incutation, for Each of the ix - is pretty were established_ What is the condition of the body during this period! as we have said no voible charge makes its af. peurance: get the seeds of the desiace are there. The cannot account for it ; but we find that the End of this term the whole system is more or less involved. It seems as through during this period that the whole mass of the blood had become contaminated

Dr Watson's idea is that the possion introduced in small quantity acts as a ferment in the avendeting fluid & that the inspirion to a process by well this mass of disease is eliminated from the system. From the time when the discase makes its appearance to the time of the suption the maledy makes Constant & prostent progress. The constitutional symptons an server & the local malady the employ often of great extent. The surfaces of the body are all affected with more or less sevents at some penra of the complant. The skin is sometimes wholly desorganised : to that if the patient recover the whole ofedimies comes of in Scales, or crusts or in sheets, so that the whole of the spin of the hand may be take offar a flore - The nuccous suffaces too are affected, in both Ruscola o I carlatina the desease of the mucous numbranes hung the hasal passages - jacces is me of the most destroning symptoms. The mucous membran hing stomad & bowels is sometimes so Devisely affected as to carry off the patient. The service membranes to are leable to inflammation: porhaps from their internale sympatty with the skin-The newous system too, is also implication & death

sometimes occurs from shock tofore the desease has made any great progress. The sequelar of these deseases are often as dis astrones as the deseases themselves. Anusarea, deafness, a tendency to pathese's inflammation of the brouchied membranes often follow attacks of Scanlatina, Rubeola ~. To guard against these sequelas is a mostimportant part of the physician's duty. This we can do to agreater or less extent, by attention to the deet I requiren of our patients. chrother great reculianty of the Exanthematical this: that one attack of desease is almost a certain safeguard against another attack of the Same malady & this leads us to the second division of our subject: namely the methods which have been densed for guarding against the attack of there deseases -I dvantage has been taken of the fact beforementioned. This was first done with reference to banda. The process of moculation was the first Step made in the right direction. he this noclas the disease is engrapted on to a healthy body

cous

& allowed to run its course in the natural way. This practice, although not unattended with danger was still in vogue until the time of funer who introduced what is now 20 well I so favorably known, the system of vacculation Its ustory & the benefits which it has confirmed upon the human race are well known But meoculation is not confined to bandle alone: it has also been tried in the other deseases of this class. In the others it is not to be defined upon as in banda ; yet time may teach us how to protects the community from the ravojes of the Canthinata as it already had done with reference to banda. The fact that deseases of this class ranky other more than once to the same individual is well know to the public as well as to the profession: and we some times hear a mother day that she is willing to expose her chied while young, to some of the complaints rather than to live in constant dread of them attack at a more advanced period of life It is a fact that some of the diseases are much more

fatat when they attack adults than when they attack children, have then may be some shit asophy in the reasoning of the motherof the treatment which is peculiarly applieable to these diseases - When their attack is apmhended it seems to me that we showed divict particular attention to the general health so that if our pateent must go through a cours of disease, the shall a through it under as farmable arcumstances as possible. Exposure shoved be prevented. the body should we warwly clad : goodfood I of sufficient quantity should be allowed I if the be any desorder of the general system it should be semoved by the proper servedus -When the initiatory for has commenced it is often advisable to give an emeter or an entrocathantic, which shall sense all instating substances from the almentary canal. This derfect cleanliness should be insisted upon ofter a warm bath is of infinite service in removing the dry thank skin to constant an attendant upon first. We are then to watch for symptoned & treat them

as they make this appearance. The common cooling deaphoretics : Spts nit. aett. Spts numbereri, or the effenceding draught are all appropriate at this stage of the desease attention must be paid to the bentitation of the sick Now: pure air in sufficient quantities much bead mitted in order that the presences exhalations from the patient may properly deluted & all offensive odors must be removed or corrected. In mild cases this means may be sufficient ; but sometimes there dis. Euses assume a malipant form & the shock to the newous system is Logreat as to break down the physical strength at mee! In the cases we must remember that the patient is about to go through a course of rapidly exhausting disease & that weare to fit him if possible to contrad with it. Tonics o Stein ulants may be give here from the beginning ! Luimme in large doses ; write ; beef tea with last. am. When the comption has made its appearance the siver generally subsides ; then we need only to care for the regimen of our patient : to present undue expressive to cold or heat. If the couption be propered, causing great initation

we must guard against this if possible by the exhibition of narcotics = openin, hypergames de. If the comption be So profuse as to cause a detilitating discharged, we must support the strength as in the malynant cares before mention. It is sometimes the custom, when the sneption is delaged after the usual time, to force it out if possible by warm Drinks to. This is never necessary; we may trush this process to nature : for we believe it be her method of cure : but if we find any retrocenen of the emption of any complication of internal disease we may use such methods to bring it back to its proper seas the skin . The such cases the mustand fort bath may be used or simpling applied externally -The treatment of the Exanchemata resolves itself into this formula: obey the laws of hygine : watch for symptoms of approaching danger & attempt to ward it off : but Trust the greater part of the case to nature, which least all our diseases " after the eneption has passed off the some can for the regimen of the patient is requisite as dury the Treatment of the desease. Tor sudden exposure to

Cold or damp is apt to bring on some of the

seguelae of these deseases which we have already mentioned. Too much care cannot be taken under then circumstances. These dangers are not passed with apparent return to health ! but they sometimes concor after the lapse of weeks & they sometimes cause as much Trouble us the orginal denan 2. E. D. Ch. G. S. Menile BASYale







Accession no. 23009 Author Jale Univ. Theses... Doctor & Medicine. Call no. Archives T113 YII 1863

