THE NASTIN TREATMENT OF LEPROSY.

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In 1904 Dyeks Pusche and Benchad Bog² of the Imperial Hospital and Medical School of Constantinops, while attempting to entitivate the leptory bencillas, obtained a steptochrist in pure culture to which they give the quaries Girpotaltria ipproise. The entiture was made by laying one of the properties of the properties of the properties of the times from the under saming a beyone mobile and exciting a piece of stimes from the under saming as beyone mobile and exciting a piece of stimes from the under saming to help the properties. After three works the filaments of the streptellarix were seen growing from the tinue in great profusion.

With the idea of determining whether or set this straptoffurk two any rotationship to the leprops, healing, the living collary was nigored subcatanously in a very seves case of keprisy. Strangs to say, this quadrate showed marked improvement in his subjective repurposes and requested that the treatment is confirmed. Accordingly injectious were grimunt severa-dup intervals and after two months the patient considered hismaelf cared and left the hospital. Similar results were obtained in three other cases.

The strepteluric was then grown in large quantities and the protein resistences of the culture separated from the fast by extraction yith other. On injecting these two portions separately into patients, the unifors came to the conclusion that the otherial extract contained the carative agent. Pleasily they believed that they had isolated this active that the contract of the contract of the property of the conclusion of the contract of the contract of the contract. The authors although the contract of the contract of the contract of the claimed that subestimeness injections of this mid-insumation with subsequent inforing. This reaction was sometimes accompanied by high fever lasting for days.

¹ Read at the Sixth Annual Meeting of the Philippine Medical Association, Manila, P. L. Pébruary 11, 1999.
⁵ Deutzeke ued. Weinschein. (1995), 31, 488.

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The hypothesis advanced to explain this action was as follows: The propre leadili contain the same fat a "nastin; or a similar one, and it is to this fat that the lacelli over their resistance to the protective forces of the body. By spaces injections with nastin an active innumity is produced against the resistant fatty substance of the bacilli, so that 'these latter are destroyed.

This hypothesis is not in second with our ideas with regard to immulty; for with the exception of the glucosides of Penel of Johns Hopkins University, immunisation has not been produced with a sub-lance known to be of non-popinis matter. It is, is any the least, highly improbable that immunization could be effected against a chemically pure fat. In his letture 'editored at the Landon School of Tropical Medicine, Professor Decycles makes no further mention of this hypothesis that absures annihile one to explain the destruction of the largest leading to the state of such as either and the state of such a mixture in the preportions which he found to yield the text results.

"The sattin is carried to the beyong bestill, to which, owing to its near chemical and physical redution, it statehes itself, and then bessay in an fully display its nati-basterial action in the fate-moving some. When deprived of at the layary bestill seven to be showned; the homes organism them effects with comparative case the further dissolution and ultimately the complete destruction of the laterial model."

Although we did not agow with Professor Doycke's theoretical considerations, nevertheless in view of the Forcodic routins reported by him, at Doctor Strong's suggestion I determined to give the method a trial, for practition there excluded at Sim Lanar Hospital. Two were wellnamized cases of the modular type in young boys of fen years, both free from alternations, both other two vers used practical of alcute trently years of ago, one with very slight designs in white only comparatively fore proposal goal lives of from all the other was a well-unarbal nose having both large of the proposal goal to the control of the other was a well-unarbal nose having both

The injections were begun on the 8th of September, 1908, and have been continued up to the present time, being given at about seven-day intervals except for two slight interruptions due to delay in receiving the nastin from Europe.

A general febrile reaction was observed only once and then in one of the well-marked cases. About twenty-four hours after the fifth injection the patient had a temiperature of 104° and complained of a severe headsche and general malies. The ferred tasted about twenty-four hours and then all unusual symptoms quiedly disappeared. In this same patient some of the nodules have become soft and have broken open, the ulcers thus formed beging readily:

However, since the fabelia reactions and bailing of nodales nonetimes occur without any treatment whatever in array cases of layroy, and supecially since none of the other standard treatment have shown similar reactions, we do not feel the since the superior three shown similar reactions, we do not feel for similar reactions, we do not feel for the similar reactions, we do not feel for the similar reactions, of the cases of the phenomenon with the similar reactions, of the fact that for for instetled nodales have based, it can not be said that there is any noticeable imprevents the heplet, if can not be said that Perfection Develor staffs that—

r forcesor reverce states that-

"We will be able, except in the most severe, hopeless cases, to effect at least the arrest of the Seprens process; frequently, however, far better results will be obtained."

Some of his results were obtained within two months after treatment was begun; in other instances the patients were under treatment for over twelve months. I regret that the case here considered have been under treatment for only few months but so would have a right I believe, to expect some improvement in them as would have a right of the conposeds's resorts.

Two other patients who were under N-ray treatment received at their own properts the mattin treatment also. One of these, a rather mild case of the nodular type who, however, has been under treatment for a shorter time than the other patients, recently developed a freah erop of nodules. I mention this decume Professor Deyrke states that the mattin is able to hold all but the very severe cases in check although it can not curie all of them.

In conclusion, then-

 It seems to us unlikely that the Streptothrix leprovides of Professor Deycke hears any relationship to the seprosy bacillus;
 The mastin treatment is not based upon any of the established

principles of immunity reactions; it is not a vaccine therapy, by a far drug treatment and is purely empirical; it is claimed that a grant glyceride of one of the higher fully acids and in this interesting to note that Chaulmogra oil, one of the and drugs employed for leproxy, is also a fatty substance:

(3) The mastin treatment has not produced beneficial in the four cases which I have treated during the past fire mon