## PRAOTICAL EEDIOITE

## CLINICAL LECTURE ON EPILEPSY.

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It is difficult to give a correct definition of epilepsy, as different types of it are met with : it will be beitor, therefore, to lay before you a typical aketch of the discase, and thon thow how it varies. The affection is mado up of a sories of parozyams which occur at irregalar intervals Each attack begins with an aura startinge in some distant part of the body, sin in one of the fingers or.in the foot, and extanding uprrand: when it reaches the head; a loud shriek is given, and the wufferer falls unconscioun; an hefalls, the face becomes deadly paio, and the body rigid, being in a stato of tonic spasm. This condition lisis virtafew seconds, and is hence overlooked The convolsion next bastimes clonic,--that is, massles ars forcibly contracted and relased in repid succers gion; the face is now turgid and distorted, the head, trunk, and limibs are jérliod about with violence, the tongue is protruded and wounded by the teeth, and blood-stained salive runs from the mouth. The clonic spasm rarely continues over six minutes, and amally not more than three or four. Paroyysms of sach character and daration may either be single or a number of them may occur in quick succession; when they aro over, there is totol unconsciousness of what has hsppaned, and very often deep slecp; on waking from this the attack is ended, to return again after a longer or shorter time. At first the mind is chear during the intervals, but grows less soas thes disease advances. These pointsare well illustrated by the case before you. Tho patient is thirty years of age, a bar-tender by occupation, ana for the past six years has been intemperste and excessively addicted to venery. Although much exposed, he has never had any venereal diseasa Three or four years ago be began to bave epilepticattaoks coming on during sleep: these occurred frequently, sometimes once every night, at other times only once in two or thres freeks, and wero often accompanied by seminal emissions At present, according to his own statement, ho copalates from once to four times daily, and drinks in the same proportion; be has never had an attack during coition, but onseveral occassions some hours after the act. The parozysmas being with pain in the stomach, and a sensstion in the ring-finger of the left hand like that produced by the faradaic current: this quickly passes over the whole hand, and then up the arm, which is moved about violently during the passage; when the aura reaches the head he becomes unconscions. The duration of each fit is short, and as soon as it is over he falls into a heavy sleep, from which be wakes with a severe headache. The attacks can bo stopped by grasping the left wrist firmly or by rubbing the left hand when the aura is first felt : this he always does in the daytime; at night, however, he ravely wakes up soon enough, for after the aura has passed the wrist it cannot be arrested. On this docount the great . majority of the paroxysms. have taken place at night.
The worl uurr means air, and is used becsuse the sensation which precedes the epileptic seizure
sometimes resembles that produced by a dranght of cold air running ap from the part firat effected towards the cerebral centres. There are three forms of aura: the sensory, the molar, and the stomachic. The first, so called from its being nanifested by some abnormal sensation, as heat, cold, or formication, is very rapid in its course The feeling of a cold breath creeping through the system, from which the torm sara is derived, bolongs to this olass, but it is bardly ever met with. The socond taristy of aura is distinguished by cither convalsive movements or paralynin, start ing in distal portions of the body and extending upwards; whilo the stomachio form consista of pain or other unusual sensation 'reginning at the pit of the stomach, exceedin giy swift in its transmissinn, sad most rrequently observed in females. If the aura can be checked in' its course, the paroxymi is provented ; at the same time, 'it 'mast be remombered thet it is ofton far too quaterin its passago for this to be done, and that there are many. cascs in which surs does not exist 'In the man bofore yon the aura belongs to thie sensory class, and is probably of centrio origin. This question of origin, whether centiral or peripheral, is a carions one, and one apon which proper trentmont depends: cars shon: therefore be taken to investigate it, though such invegtigia tions are by no means always succesaitul.

Epilepsy may be due to hereditary tendency: $s o$ universally is this accepted that Frank reports that it was an old Scotch custon to castrate all epileptics, in onder that the races might dia out Nervous discases-for exs mple, hysteris, epikepay. and insanity-are very closely related, and often alienate in successive generations Other causes afo acute diseases, exposure to the sun; and organic diseases of the brain, or it may arise spontaneously, apparently without cause. In this patient it is evidently due to excessive venery: The first indication in treatment is to remore the canse, when it can be determined : until this is done, little benefit may be axpected from medicines. in bromide of potassium we have a valuable remedy : its mode of operation is to lessen reflex actions and the excitability of the nerve cantres; but in order to accomplish this it must be given in full doses ( 3 j h d) and increased until some effect is produced,-that is, until the blood has, as it were, become supersaturated with the salt. Notice should be taken of the fact that bromide of potassinm is useful in proportion as the paroxysms are frequent, violent, and fully developed, being much less so in the varions modifications of the disease. Next to the bromide in point of atility may be mentioned bailadonas and nitrate of silver,-the former being given in sufficiently large doses to produce slight dryness of the throat, and the latter in doses of one-fourth to one-half a grain, continned for some time, always bearing in mind the danger of producing discoloration of the akin: this may be avoided by discontinuing it for several weeks after it has beon taken six or eight weeks, especially if iodide of potassiom is used in the interval.

The man before you has his attacks in the night, but only becaruse in the daytime he always
of epilepsy-" night-epilepsy" 30 called_-in whichi" the paroxyims occur only at night : they may bo.it violent, when they sro easily. recognised; thuy.. mas be so insidions as not to be suspectod by the sufferer, and only to be discovered by the phssician after the most carernl search. Wheni however, in an adolt, complainta aro mado of a feeling of apparently causeleas malaiso, with con-: fasion of thought and headsche in the moning;: alwaya be on Jonr guard, and if tho tongue is, bitten end the uring voidod in the bod at might; an-almost ceriain diagnosia of "night-epileprsy"," can be:miade. Of course the diagroais of epilepery; should not be given hastily, as the prestinnin zin ici. frightful; yet though yoü hold your peace, never: be diccived in theis caises, especially since very frecruentiy a full- döse of bromide at bedtimie overy nigit will arreat the dieorder.
Wetting the bed at night is one of the most charactoristic symptoms of this form of ejileryy? and its presence or absence should infuence very greatly your decision. Not long since I was consulted by a distingaished practitioner,' who fear ed thiat he wis suffering from this affection, but in whom 'I was able to mike a möre' favouribit prognosis, which so far has bebn verifiod. Some" years before, he hisd broken down from overwoty; and, although ho liad' in great' mesesure ricoverod;' had nover regained his normal mental vigoruinid pover of work. He had noticed for some time that his ton'gre was' bitten on getting up in the morning, and be was partly conscious of the fact or had the idea, that the injury becurred jusi'at waling. He had nover wetted the bed, 'hid' never suffered from any mentil 'disturbancel or malaise after biting the tongue, had nover'sufferfrom "petit mal" or any form of dimmal "epilepuy. I therefore told him I did not believe he had nocturnal' epilepsy. Still, the fact of the bitten tongae remained Knowing tinat he had suffiered at the time of his' break-down a slight paralytic stroke, I suggested that perkaps one side of the tongue had remained less sensitive than the other, and that, lacking this gaide to its movements, it sometimes got betwren the teeth and was bitten, especislly in the first movemente, of waking, when the senses are all benumbed with. sleep. Examination showed this to be the case; and he also stated that the injury was always on one side of the tongue,-namely that in which the sensation was impaired. Now, if these two points had escaped observation, much doubt might have been felt as to the nature of the case.
(To be continued.)

## THE TMDMORALITY OF TYPHOID.

A " milk epidemic" of typhoid is announced on a small scale at Maidford, near Towcester, Northampton. "Milk epidemics" of typhoid natiarally and rightly arrest attention. It ought, however, never to be forgotten that a milk epidemic of typhoid is in troth a milk-and-water epidemic, and that every case of typhoid might be frevented if we were careful first to protect oxr watersupply from excremental pollution. Failing this we might still protect ourselves by disconnecting cur cistern wastopipes from the newers into which they commonly run, and by

