## PBACTICAT BTEDICITI

ON OEREBRAL RHEUMATISM.
By Dr Cornelids Blacz.
In acnte articular rheumatism, and eespecially when rhenmatic pericarditis or endocarditis, or both, coesist, cerebral rhenmatism is not an unfrequent acompaniment in the more urgent pe riod of the articular disease. It is manifested by a busy, talkative delirinm, occasional disposition to leave the bed, finshed face, not unfrequently bathed in perspiration, restless, sparkling eyes, and slight contraction of the papils. With this form of cerebral rieumatism every medical practitioner is familar. There is, howover, another form of cerebral rheumatism which is probsbly of not less frequent cocurrence, but which is not generally recognized, or if recognized, it has not, 80 far as I know, been deacribed either in medical books or in the medical poriodicala.

A case of this latter kind has very recently been under my care. The subject of it was a gentleman of middle life, of nervosanguine thacperament, and of regular and temperate habits. From the ege of fourteen to that of thirty-nine he passed through five attacks of acute articular 'rheumstism. In none of these nttacks did the heart suffor. As in such subjecta, so in him, migratory rheumatism was of frequent cocurrence. In one such attack he suffered for some, days from rheumatic pains in the ankless loina, shoulders, armes neck, and scalp, with no more marked disturbance of the heaith than a litule indigestion. The urine was natural in quantity, deepish-yellow in colcur, had a specific gravity of 1028, a strongly acid reaction, aad deposited on cooling a large quantity of cayenno-pepper-colorar od crystels of uric acid. About nine oclock ane morning, after expressing his freedom from ritenmatic pains, he somemhat suddenly began to feal giddy and to complain of a sensation of weight and heariness in the head generally and of a temdency to fall in whatever direction the head might be inclined. Occarionally the eensation of a whis passed with electric rapidity through the brain from back to fronts At other times as vertiginous sensation was referred to the verter, whon the gait became somewhat unsteady. His intolleot was unclouded, he could indite letters as before, but if ho had to think, his ideas eoon bocanco is little confused.
There was no increasod heat of the brad or of the abio generally, no nauses or vomiting, no injection of the aclerotica, no contraction or altaretion of the pupils, no twitchings of the musclee of the face or of those of any of the extremitios. In one.or two previors attacks slight twitchings of the muscles of the cheeka and of the brow had occurred, a common resalt of migratory rhoumatism. The breathing was easy, regular, and the numbar of reepirations noventoun per minato.

The tongue wres quite moist, but slightly furred, there was no thirst, the appetite for food was not sensioly altered, the bowels were regular. The hear; and kidneys were healthy. The palse, usua.lly 70 in health, presented the peculiarity of now numbering only fifty-four per minate, a common result of depressed functional energy of the brain. It was regular, equal, soft, and rose beneath the finger with a slow, steady, measured best. The quantity of urine voided within the first twelve hours was thirty-ive onnces, but afterwards this proportionste ratio decressed, so that the urine did not exceed fifty ounces altogother for the first twenty-four hours It was of a deep yellow colour, of acid reaction, specific gravity 1026, and was quite free from deposit after it had stood two days.
Perfect quietrade was enjoined. Two pills containing two grains of calomel and eight of the compound extract of colocynth were administered, and their action was favoured by an effervescing draught containing tartrate of sods. Five liquid evacuations were produced. The general heavimass and giddiness of the head now merged into a sensation of diminished pressure over the left brow and an aching soreness confined to the left temple. This feeling shortly afterwards passed in suocession to the muscles of the back of the neck, producing stiffness and more or less pain on motion-to the shoulders, wrists, back, thighs, and ankles, manifesting in each locality its usual charactor of rheumatism. With this transfer from the head the pulse rose to $62,66,70,72$; and the next quantity of urine voided let fall, on cooling, a somowhat copious atdiment of urates, deeply coloured with the pruparates of Proutthe maresid of Liebig. For twenty-four hours this excretion of the urates continued, aftar which it gave place to an excess of both the alkaline and carthy phoophstes, which continued for nearly two days During this time the urine was natural in quantity, of a rich straw colour, specific gravity 1026, depocited on cooling a white woollylooking sediment, and manifested an acid reaco tion, which was not at all influenced by the food taken. By heat the phoephate of lime was doposited in copions small balls and flakes, which were immodiately dissolved on the addition of two drops of nitrio acid, rendering the urine, an it in wont in such casos, brillisntly clear and of a faintiy bistre light.
Here, then, was a cane of migratory theume tism affeotiog the brain-subatanco and giving riso to eymptoms simulating some of those premanitory of apopiaxy. Its real charactor, however, was shown by the inamediate supervention of carebral aymptoms an the subsidence of the chenmatic pains in the ankles, and the disappearance of argatals of uric acid from the urines, and by the return of these pains to the nock, back, and limbes, and the deponat of uratos and purpurates immediately after the headzymptoms had beep
ralieved. That the whole carebral masa wafered is rendered probable by the general feeling of heariness over the head, by the giddinass and the sensation of a disposition to fall in whatever direction the head was inclined, by the inability to think vithont cansing confusion of ideas, and by the slowness of the pulse.

For such cases I have generally formid a masri' purgation by calomel, colocynth, and tartrate of sods the most effectual treatment. Colocynth exerts a wonderful power in causing the eliminstion of urio acid by the liver. To this affect the tartrate of soda contributes; but it, like all the alcalies, also favours therexcretion of urio acid by the kidnoys. Calomel with colocynth, the alkalies, perfect quietade of both body and, mind, and a spare diet, are consequently remediea to be adopted in all such cases."

## SURGRRY.

THE ANTISEPTIC SYSTEM AT EDINBURGH. By Rucrimar J. Godure R.S, Sargical Eegintrar :it University College Hoopital.
(Conchuded.)
During my attendance in Lister's waids, be sides a primary of a hip-joint, only four major amputations were perfonned, three of which healed withont a drop of pus or the alightest constituticral disturinano I subjoin the daty at which the dressing were changed in eesh of them. These facts speak for. ihemselves, and show, not only how rapid is the cure in macoesaful cases, bat how much trouble is saved to the enrgeon'and his assistauts.
W. B—, an sdoltiman Amputation of arm for ununited fracture of old standing. Oparia tion Jen. 13th. Dressings changed Jell. 14th, 16th, 19th, 23rd, and 30th, and removed Feb. \&th. It was really healed by Jan 30th.
J. B—, an adult man. Syme's amputation for injury (primary). Operation Feb 9th. Dreasings changed Feb. 10th, 12th, 16th, 20th, 27 th, and March 6th and 16th.
W. W-, an adult man. Ampatation of the forearm for diseese of the wrigtjoint, which had been? previously. canterised and ankiseptically incised, but, thoogh painless and discharging only a very mall quantity of merrm, wan rapidly reducing the patient's atrength. Ho was also maffaring from incipient phthicis ; and immediataly after the operation his appetite returned and he began to gain weight. Operation Fek 11th. Drearing changed Febk 12th, 15th, 22 nd, and nomoved Fob 29th. It was really healed on Fob , 22nd.
The other ampatation was the ankle in J. W - youth of eightoenr years, for advancod disease of the 日ynovial membraca. It, like the others, had almost healed at the end of a fortnight without a trace of suppuration, and as the only cavity left vab that occupied by the drainage tube, Mr. Listar departed from his general rale, and

