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## THE

# MEDICAL CHRONICLE. YOL III. 1 <br> JCLY, 1855. 

## ORIGINAL COMMUNICATIONS.

ART. V.-Lectrere on a Case of Aneurism of Arch of Aorta, and Diseased Heart, delirered in March, 1853 ; being one of a course on Physical Dagnosis. By R.P. Howard, M.D., \&c., Physician to Montreal General ILospital, Professor Medical Jurisprudence, M-Gill College.
Gentemen,-We have now in the wards a case presenting many points of interest, and furnishing us with an opportunity of applying those principles of physical diagnosis which have formed the subject of this course of lectures. You have already witnessed the examination of the patient, and have had several opportunities of testing for yourselves the existence of those zonditions upon which my opinion of the nature of the case has been based, and I now propose to recall to your memories the details of those conditions, and to examine how fir they justify the opinion formed:-

Robert Stuart, et 64, a peusioned soldier, was admitted into my wards on the 28th February, 1853, complaining of cough, difficulty of breathing, palpitation, and inability to exert himself. Usually enjoyed good health until the fall of 1851 , when he thiniks he caught cold, as he was attacked with a severe cough, followed in a fortnight by difficult breathing. He was bled, and after some time the cough ceased altogether ; but since then he has experienced a constant sense of "fluttering at the heart," and when walking vast dyspncea has been added to this, and occasionally severe pain has extended to the left shoulder, and down the left marm to the elbow. Within the past few weeks he has suffered from these symptoms more than previously, and besides a paroxysmal, laryngeal cough, a sense of obstruction or "difficulty" in the region of the trachea, there have supervened much dyspucs on the least exertion, occasional attacks of severe pain in the spine of the left scapula, and a sensation of pins ruaning into his fingers, even when lying quiet. He preserves almost the semi-erect position in bed, inclined to the left side; sleeps very
little, his short raps, being restless and disturbed by dreams. There is no cedema nor dronsy of any part; and the expectoration is a scanty mucus.

The following is a simmary of the fibysical signs carefally noted on the 2nd iustant, two days after his admission:-

Inspection.-Visible pulsation of right carotid, subclavian, brachiai radial, femoral, and posterior tibral, and of left subclavian, femora], and posterior tibial arteries. Enlarged internal and external jugular and inferior thoracic veins; cpigastric veins visible, but not enlarged; varix of right internal saphena of many years standing; no pulsation in veius: in spration increct posture causes filling and turgescence of right external jugular; expiration has contrary effect. Pulsation of cardiaz region below nnple and of the epigastriam and adjacent superior abdominal regions. Promineuce of the epigastric, and both hypochondriac regions; none of the thoracic walls ; some fluttering of left infra-scap., and of both supra-clavic regions.

Palpation.-1 Pulsation of arteries of right arm and side of neck much stronger than that of their opposites. Right radial pulse full, soft, jerking, regnlar, vermicular,- 90 a minute. Left radial, also jerking, is so weak that it is zounted with difficulty,-also 90. Rather forcible pulsatiot of the epigastrium synchronous with heart's impulse, which latter is strongest at xyphoid cartilage, and about $\frac{\pi}{3}$ of an inch to outside of right nipple, and 3 inches lower down, occupying 6 th and 7th spaces; rather weak between nipple and sternum, where the sounds are quite audible.

Mensuration.-Circular measurenient at nipple, 181 inches on right side, $16_{i}^{3}$ incles on left. Expansive movement, $\frac{3}{5}$ inch on right side, $!$ inch on left.

Percussion.-Great clearness of right side of chest as low as 7th cartilage anteriorly, the 8th rib laterally, and the 10 th or 11th posteriorly; similar clearuess, but not in equal degree, also exists over a larger spact than natural of the left side, except in the region of the heart, where the superficial transverse dullness measures 31 inches, and extends from inch outside nipple to edge of sternum; the decp-dulness reaching to rigit edge of sternum; vertical dulness commences at upper edge of 4th eft rib, and cxtends down 4 inches. Hepatic dulness extends considerably below margin of ribs on right side.

Auscultation.-Respiratory murmur heard generally over chest. Ins piration soft, equable, and distinct; expiration longer, londer, and hollower than it, having somewhat of a bronchial character, over the right lung posteriorly; the same characters of inspiration and expiration obtain over left lung, but their ivtensity is very much less, especially in the lower part of scap, and in the infra-scap regions, where, indeed
respiratory sounds are relatively very weak. Voice has a peculiar muffed resonance, which is slightly greater at root of left lang. and much ereater at mferior angle of left scapu'a than at corresponding points of right side.

Joud, rough, blowner, systolic, and diastolic nurmur over heart generally: londest at 3rd right cartilage, and an inch abore and below that, next at 3rd left cartilage, and next at Zud right cartilage,-but here both murnurs are deculedly less audible than at 3 ril cartilage. The cardiac ist sound audib:e, lut accompanied by munmar, and the ind audible without murmur at ensiform and right $\overline{\mathrm{tin}}$ cartilages. In left 5 th intercostal space, 2 inches from stemal eder, and $2_{2}$ inches below nipple, -c.c., about situation of displaced apex,- the lst somed is andible, bat accompauied by a faint murmur, and the and sombd mattended by murmur is faintly andible. At left nipple, both sounds andible without murmur. Both murmurs audible below centre of clavicles, und louder cri r.git side ; systolic murmur faintly audible in both inter-scap. regions, macre so about situation of root of hing than lower down. Cardiac rythm natural.

Dragnosis.-Hypertrophy with dilatation. chiefly affecting left Ventricle; displacement of heart downwards and to the left; tumor, most likely aneurismal, involving transverse portion of aortic arch, to left of arteria annonyma; doubtful whether combined with constrictive and regurgitant disease of aortic orifice.

Why did we conclude that hypertrophy witil dilatation of the heart existed? Because of the direction and increased extent of the cardiac dulness, vertical, and transverse, and of the cardiac pulsation; the force of that pulsation; the existence of a condition likely to induce hypertrophy, vic., obstruction to the onward fluw of the blood, caused by the (sipposed aneurismal) tumor at the arch, and the probable coexistant discase of the aortic orifice; the s'rength of the pulse in the arteries of the right side of the neck und thee right arm; and the distinctness with which the cardiac sounds were audible over the dull region.

Were the extensive dulness present due to fluid in the pericardium, ine dullness would have extended upwards above the 4 th rib, rather than downwards considerably below the niplle, and would have had a pyramidal outline; and such an amount of eftusion as must have obtained to have caused the cxtent of dullness existing would have rendered the heart's scunds almost inaudible, or very much muffled them, in the cardiac region, and have caused the heart's impulse to be almost mperceptible, and given it an mdulating character. The absence of prominence of the cardiac region does not affect the gutestion materially, us it is a rare condition met with, buth in corious pericardial effusion
and extensive hypertrophy of the heart. Neither, in my opinan, doas the fullness of the epigastrium; as the enlargement and downward dis placement of the heart consequent upon its own increased weight, and the additional weight of a tumor uear its hase, and perhaps partially consequent upon the state of the right ling, will as properly acconnt for it as would the presence of hlud in the pericardima.

I regard the hypertrophy as chiefly affecting the lef ventricle : first! becanse the dullness extended so much downwards and to the leit: and secondly, because a condtion favorable the the production of that state of the left ventricle existed enther at the nortic orinice, or the areh, or at both. Diatation was inferred to exist with the hypertrophy on acesua: of the londness of the cardiac sound, their wide trammission over the chest, the kurge surface over which palation was pervepthble, the fair volume of the arterial phise, and the moderate furce of the heart's inpulse. The right ventricle, I concluded, participated an the condition ot the left, boin becanse wi the marked epigastric pulsation, and the exist. ence of some degree of obstruction to the pulnonary circulation resulate from the hypertrophed, in hut the emphysematus, state of the right lung and the compresson of the leit, to whish your atiention will he again directel.
The next clatse th the diugnusis reyuiring eomment is "tumotr most hkely aneurismal. involving transverse portion of antic arch to let of arteria innonym." lou will remember that the left side of the ches on the level of the mpple measured an inch and three quarters less than the right, that there was dhatemang ot the left infra-scapular restion, and that the expansim movement was dimmisied on the same sude-the: yet there was no duluess on pereussion uter the langs except that in the cardiac region, and that winde the character of the respiratery somds was very much alike un both sides, their intensity was much levs on the. left-that there was no past history of phearitic efiiusion to explain the condition of the chest-that there was a somewhat mulfed roiees: laryngeal paroxysmal cough without expectoration, and a sensation of cobstriction referred by the patient to the $u_{i}$ per part of the trachioathat the pulsation in the leti carotid, suld-clarian and radial arteries was very much weaker and less visible than in the right-that the right c external jugular and thoracic veins were more distended than the left and that the vocal resuance was greatest orer the root of the leit lung and the left infra-scapular region, thin over the corresponding points a the other side. This combinatoo of conditions seems plainly to establish the existence of a tuar of some kinid, so situated about the arch of the aorta as to compress the left bronchus as it passes under that arch, and , to involve the lef recarcht nerve, which houks round that arch, and w:

Enterlere with the flow of blool through the vessels which rise from the Beft portion of that arch. This compression of the left bronchus prefenting the adnission of the normal amount of air to the left liog, accounts for the relative persistent weakness of the respiatory scunds uniFersally over that lung, the deficient expansive movement, and the contraction of that side of the chest, withont dulness on percussion. It is irrcbable, too, that both the tumor and the enlarged heart may act in Froducing these evidences of internal pressure, by compressing the lmos itself: and this seems the more probable, from the fact, that these evigidences are strongest over the lower part of the lmag. the fart most exfosed to such compression; hut this admission, you will jerceive, does not at all weaken the argument in fawor of the existence of a tumor fabe lit the arch of the aorta and root of the hang. The existence of parkxymal laryngeal courl, the hoarse rancous laryngeal woice, and the *serse cf difficulty in the trachea, without any detectable discase of the farynx, strongly farur the idea of tumor strutching, compressinge or irrifathe the eff recurrent nerve, which, from its anatomical distribution anust amost necessarily be affected by a timor, situated as I suppose this to be.

But why consider the tumor aneurismal? For several reasons. 1st, Becanse that is by far the most frequent kind of intra-thoracic tumor. It is an important principle, generally arted on in the dagnosis between fiseased conditions productive of similar signs and symptoms, to decide in favor of that one which is confessedly the most common. Aneurism, Fs acimitted by most pathologists, to be nore frequently met with in the lchest than either malignant tumor (which is perlaps the next in order dof frequency), or any other form of simple tumor. 2ndly, The situation of the tumor-the arch of the aorta-is one in which aneurism is more foften observed than any other tumor, not excepting enlarged bronchial glands. 3rdly, it seems much more probable that an aneurismal dilatation (true or false) of the aorta itself would, while it compressed the 'left bronchus and recurrent nerve, also interfere with the current of thood in both the left carotid and subclavian, than that a tumor extermal to that vessel weuld do so. Lasily, the advanced age and the sex of the patient, the absence of expectoration resembling currant jelly, of oedema of the arm and side of the chest, corresponiting to the side occupied by the tumor, and of any malignant cachexia, and the severity and course of the pain, felt chiefly in the spine of the scapula, and in the interscapular region, but occasionally extending down the left arm to the elbow and fingers, all favor the idea of aneurism rather than of cancerous or other kind of tumor.

The existence, then, of aneurism of the aortic arch is rendered very
 cumserbed prommence of the front of the chest wali, having : puintion and somuds independrai of those of the heart. This alssenco nay be dia either to smit!ness of the tumur, or to ats takiner an inward and duwe-
 of itself to negrative the dea sfaneurism.

But tiae last chatue in the diagnows requires considerntan. It is $i \cdots s e$ with some difficulties winch we had better exumine. A stotolic inj diastolie mamme, more adible at the bese than at the apex of the heart, accompanied by jerkins and vivible pabsation of the arterice, is for al! practical jurposes admitied tu disinguish disease of the aortic valves, of of the irst portion of the aurta from disease of the athentar vaives. and bence we exehaded the latter valves and their orifices fom any partic:pation in the production of the murmur. But the combination of phesical sigus just mentionel, may be produced etther by disease of the aortic alves permittinn rerargitation through the artic orifice, or by ancurism of the aurtic arch. It one time it wa: sipponed, that a jersing visible pulsation of the irteries. (a very antiomic state of the blood not existing) was a prowinf permanent pateney of the :urtic orifice; but it is now well known that resurgitation of blood from the aorta into an aneurismal dilatation, or throngh an artificial commmination into the pulmonary artery, the vena cava, the ventricies of the heart, \&c., is capable of producing, . . 1 as I have alrcady given strong reasons for be. lieving in the existence of ancurism of the arch, we must reter the visible jerking juise to the ancurisin, unless we have other evidence io adduce. Have we other cvidence? We havc. It is admitted by onf first anthorities in thes matters, that when a murmur has a grrater mtensity at the 3 rd rigit cartilage, than at the 2nd, it indicate, disease 0 : the aortic orifice, rather than disease of the aorta itself; ant such beng the fact in Stewart's case, I would ut once decide for the existence of a morbid condition of that orifice, but for one circunstance, viz.. the displacement of the heart downwards, which may explain why the murmur, though produced in the arch of the aorta, is more audible lower down, over the normal situation of the aortic vaives, than at the aortic cartilage, (the $2 n d$ right,) the point at which inurmurs developed in the aortic arch are usually loudest. It is then chiefly because of the displacement of the heart that I have considered the existence of disease of the aoric orifice "doubtful."

Montreal, June 25, 1855.
N.B.-The nutes of this case were taken by Mr. (now Dr.j joha L. Steveuson. Its sequel will appear in the August number of the Chronicle.

ARI. VI. $-O: 4$ some farer Foms and important Complucations of Scarlet-Fever. By James Barnstan, M.D., Eum.
Durng the past six munths, the febrile exanthems have prevailed to some extent in many localities of the Town and in its neighbourhood, and it is in the behef that sume auterest might be taken in the subject, that I sulmit the following observations on oue of these febrile disorders, which is, perhaps above all othors, subject to imprortant deviations and severe compheations-at all tmes worthy of the consideration of the Medical Practitioner.
It may be remarked, at the first place, that Scariatina Malagna is plways characterized by s.vere coasitutional symptoms. From the frost there is an evident and marked diminution or lowering of the vital powers. The nervous and nuscular prostration is great and the general fever assumes the low typhoal or asthene form. In many of these cases the symptoms gradually become aggravated and lead to a fatal termanbion between the fifth to the tenth or sometimes to the fourteenth day.
In some rare instances. however, vecurring almost solely when the Pisease is epidemic, a fital issue may take place withon 20 to 30 hours pubsequent to the attick, and that too without displaymy any ordmary yymptoms of Scarlet-Fever. The following case, witnessed four years ego will illustrate this remaris. It was that of a buy, 12 years of age one out of six of the same family, ull lying ill of Scarlet Fever,-who was attacked at $1 \hat{A}_{0}$ M. with violent shivering, headache and vomiting, with very slight sure-tinoat. The pulse was quick, feeble and fluttering from the commencement. The vomiting continued unchecked by all emedial means, the general prostration rapidly increased, the whole energes becane completely exhausted, and coma gradually supervened and peepene:l, till the patient died at $\{$ past one the next morning-exactly 243 hours after the commencement of his illness.-The occurrence of Leath at so early a period is comparatively rare, but it may be observed hat the rapidity of the fatal termination of the disease is much mons frequent and striking during some epidemics than in others and we have it recorded, as in the epidensic of Malignant Scarlatina which prevailed a Paris in 1743, "every individual who was attacked perished, many andeed within nine hours from its invasion." In the majority of these paces where the patient sinks, as it were from the first, where the vital powers are rapidly exhausted and death speedily supervenes, no morbid eppearances can be observed on pout-mortem examinations, that could requately explain the cause of death. No conjestion of the carebrel ref els, no vascularity of the membranes of the brain can be discovered, and even the small amount of serous-effuaion whioh is only occasionally pberved within the ventricles cannot in any degrec account for the
sericus nature of the symptoms or the rapidity of the fatal ternination. The pathological cause of death is therefore uncertain.-It is more than probable thet the sudden and extrem : vital depression, exhaustion and rapld death, is the result of the malignant nature of the morbid poison which, when introduced into the system operutes either by producing a diseased condition of the blood or by otherwise proving a direct and immediate shock to the whole nervous system, but more especially to the cerebral portion.

The complication-probably the most common and fatal in scarlet fever-is sloughing or gangrene of the throat, accompanied by suppurafon of the cervical glands and in which there would seem to be a subsequent re-inoculation of the system by morbid poison. The case I now submit is but the history of many of those fatal cases, resulting fron this serious complication. A girl, at 16 , first complained of sore throat, which on the second day became violently inflamed and swollen. The congue at first coated with a whitish-gray fur, was now totally denuded of its morlid covering, became exceedingly dry and hard and presented numerous red prominent papille on its surface. The vital powers became greatly prostrated and the fever assumed a marked asthenic type -suffusion of eyes-no delirinm. On the 3rd day the tonslls suppurated, the glands of the neck became swollen and enlarged, accompanied by a slight inflanmatory blush on the surface. On the 5th day a large slongh separated from the throat, followed ly an ichorons discharge from the month and nostrils-the latter presenting a peculiar glazed appearance. Diarrlaca followed and all the general symptoms became more aggravated. On the fith diy, the nock became enomously swullen, the skin over it exhibting a livid, shining aspect as if glazed; the right parotid suppurated and when opened produced a most sanious purulent discharge. At this time a fresh fever was lighted up, the palse became quicker, smaller and more fecble, the patient more restless and fretful, and a low delirium occurred at inter vals. The child lingered on, under the administration of stimulants till the beginaing of the minth day when she died comatose.

This solitary instance proves sufficient to show the malignant mature of the $\mathrm{E} . \mathrm{F}$. poison and its specific action upon the throat and glands of the neck. It would also lead us to believe, that towards the latter end, a new poison entered the circulation. The system became re-inoculated by the absorption of malignant purnent matter, adding fuel to the flame and lighting up, as it were anew and materially aggravating the already established fever. There is another carcumstance which tends strongly to validate the probability of purulent absorption in cases of this nature namely, the fact that the joints sometimes become seriously affectedthe affection no: being primary but secondary-the result of purrelent
depossts. In relation to it $\mathrm{D}_{\mathrm{r}}$. Tweedie remarks :-" In a few in tances we have seen the large joints suddenly become extremely painful to which swelling with evidence of fluctuation succeeded and the patient was destroyed in a very short time." Subsequently, when speaking of the morbid anatomy of these fatal cases, the sane author observes:"there are not always marks of inflammation of the synovial membrane. In the last case, however, which we examined in which pus was deposted in the left wrist and in both ankle-joints, there was deposition of pus extenor to the wrist-joint, amons the carpal bones. The synovial memlrane of the wrist and ankle was evidently redder than natural, bat there was no abrasion. We are therefore inclined to think that these purulent formations in the joints may occur without antecedent anflammation; and cven in the case alluded to we doubt the co-existence of inflammation; it is more prutiable that the pus which was deposited was not the consequence of the inflammatory action, hat that the purulent thuid was deprositel from the Liord, in the same way as it is sometimes deposited in other parts of the body." (Cydop. Pract. Med. Art. Ecarlatina.)

A much rarer complication than the precedmg a the suddea occurrence of rapid cangrene of the month involving the soft structures of the cheek. This unusual and very frefuently fatal complication is liak.e to supersenc in young verchikns or otherwise debihtated constitutons, towards the latter end of the fever. which, in sucti a case, exhibits the marked typhoid character. I here give the nrogress of the beal affection as I ubserved in a hitile girl, att. 10, of a fechle constitution, who contracted scarlatian angincsa which nuereed on the the day into a malignant tyye. When visiting her on the morning of the Ghay day found that hamorrlage had taken place from the month, the bleod adhering very firmly to the teeth and lips. (In lorking imto the mouth I citserved a dark lowgh of the mucons membrane lining the left cheek. On the th day the slough had enlarged and decpencel into the soft structure of the cheek which was now swollen and presented a pale -hining, slassy aspect. A small livid speck or tuberele also shewed itself on the surface of the face, exactly corresponding to the internal slough. On attempting to detach the latter it separated into shreds, being adherent to the sound textures. It lad an exccedingly fetid odour. By the evening, the livid speck observed in the morning, had enlarged to the size of a four-penny piece. It presented a dark ashgray surface--depressed beneath the level of the surrounding skin. Its margin was circular, well-defined, and not surrounded by any red or inflammatory arpearance. On the following day the gangrenous mass had cpread to the size of a two shilling piece, depressed in the centre,
shrivelled and stail retaining its erreular form. Tia cherés was anormonsly swulien and hiohly glazed in appearance.
'lhis was a strikiog case of rapid destruction of tissue by sangrene, which, to all appearance, was not precedel nor accompanied isy the ordmary inflammatury prucess. Allivngh prompt ineasures weac erayloved to arrest its progress, they were of hute aval. The luca! diseas? spread with astonishing rapidity; a great portion of the check became a mass of gangrene and the child ded on the 9th diy.

The kulneys are, above all organs, the most hable to become tine seat of much disturbance both daring the exisience oi the fever and durag the period of convalescence. 'Throushout the whole or durng a period oniy of some epidemes, there is a marked tendency to grave renal disorder and so prominent does this tendency appear as to mark the character of the epidemic, that not a few writers who have witnessed it, have described Scarlatina Renum as a distnct varmety of Scarlet Fever. Questioning the propriety of adoptang a title so distinctive, the importance und comparative frequency, in some cpidemics, of scrious renal disease cannot be denied and shonld direct the physician to bestun jarticular attention to the condition of the kulaeys and the secreth . of vine.

If the urine be examined froquently in seartet Ferer, its ord.ary conditions will be fund to vary little from the urine observed in conte nued fover about the same periods of the disease. There is one caxential peculiarity, however, indicated in scarlatinal diseani, unnely, the frequency of Albominuria-the elimination of a!bumen Jrom the blood by the kidneys. Judging from the many examinations made of the urine of scarlatinal patients, I have noticed it a rare exception i, find no albumen climinated by the kidneys during the progress of the tever. The amount was generally small, but enough to indicate its presence by heat and nitric acid-heat cansing a haziness or feeblo cu-aghability of the trine, while nitric acid precipitated the albumen in the furm of thakes or of pulpy matter at the bottom of the tube.

The secretion of albumen alene is far from indicating a disease. 1 condition of the kidneys themselves. These orgas have frequently bees found quite hearthy, altho' albumen has been observed in the urineoven for some time before death. In such eases wo must, therefore, consider simple albuminuria to depend upon a temporary disorder of the renal functions-the result of come pathological condition of the blood. This ides may be also borne out by the circumstance that ures, normal constituent, is almost invariably Cound in deficient quantity in the urine of such cases of scmarlatinal albuminuria. This by no menas warrants us to believe in the opinion of Solunand others that alburnea in
formed by transformation at the expense of Urea, nor are the two vicarious of one another. since Dr. Chrstison has observed in relation to Bright's disease, that when the urine was deprised of the greater part of its urea the quantity of albumen contaned in it was smai: and on the other hand, in cases where the urea was consuderable in quantity, the albumen aiso wns plentiful: : pincident also with albutainous urine, the blood has been found to contam a considerable quantity of urea

But the morbid elimanation of albumen, combined wath other products in the urme of searlatinn patients, is indicativo of important organie changes in the renal organs. Thin, during the primary fever and moro especially towards the latter end of the eruptive stage of $S$. Angenosa, the kidneys are very liable to becone cougested and mflamed-the degree of inflammatory affection bearmg some relation to the severity of the fever existing at the time, although by no means uvariuily so. The circumstances to be reised upon as indicating arute renal disense are scantiness and tuibidity of tho urine, the detection of allumen by chomical tests, and of numerous tube-casts of the kidney wrih a multiude iof epthchum scales, by the microscope. These tibrmous casts are soen moudd aceording to the shape and size of the tabulie urimferw, some firm and pertect, others broken duwn and arregular.

The sunervention of kidney disease is sooner or later followed by dropsipal eflision either into the subcutaneous cellular tissue or into some ir.ternal serous cavity or both; of this we shall merely obsorve that nothwithstanding the general opinion that scariatinal anasurca belugge to the class of febrile dropsies, we are much welued to look upon it as a distinct form of acute renal dropsy ; that is hoth secondary to, and essentially dependent upon the remal disease ; for there is generally, if not invar:ably, uboerved a well-marked connexion between the intiammatory diaease of the kidueys and the subsequent dropaical effusion : and agata, pareful examination of the body in many futal cases, where the sercols bavities are found full of clear fluid, cannot detect any of the unmus Hakeuble products of inflammatory action. The aceumulation musi, in puch cases, be considered as a mere infiltration or passive elimination, Irom the ilood, of tuid, which is deprived of muoh of its albumen and consequently diminished in density.

Although the dimease of the kidneys in scarlatina is manageable in he milder casen, it sometimes provey a very woublewrme and obatinate pffection to deal with-nay more, its ultimato consequences may be formidable for there is every reason to believe that it occasioaally lays the
foundation, of more serions and permanent disease of the kidneys. Regarding this point, I cannoi do better than quote the observations of $D_{r}$, Watson on "Dropsy following Scarlet Fever"--" It is an interest. ing fact," he remarks, "that the chronic form of renal dropsy manjfesting itself at some distance of time, has been distinctly traced back io tes source in the acute anasarea immediately consequent upon scarlet leser. The sequence has ocourred, in all probability, much otther that it has been noticed. There is seareely rown tor doubting that one form -the aramlar or inflamnatory form-uf the orgauic renul degeneration desentr.d by 1)r. Bright, does frequently date its origin from an attack of febile anasarea; and in propurtion as facts accurately observed, ac cumulate un thas subpect, the chath of connection becomes more clearly wishle letween acute febrile dropsy, dropsy suceeding scarlet fever and chrome renal dropy."

Allow me to conclude this but imperfectly written paper, by drawing' the attention of your readers to a subject which has only lately bead brought helcre the professom-1 mean Scalatinal Vagentes. The ex anthematous mollammation sometimes externds to the mucous membrave of the Vagina, geving rive to an abmadant discharge of muco-parulent matter, which in some cises is so acrid as to exeoriate the dabia, thigh de., and prove a source of great suffering aud discomfort. Since atter tion has heen directed to the freguent envorrence of Scarlatinal Vagh matis hy Dr. ('ormack, (Merlecal Gazette, August, 1850.) I have olserved: four cases in children under 10 years of age atfieted with S. Anginam; where this local affection was characterized by great heat and swelling in the purts, ncute pain on micturtion, and constant and copious dis chaige of yellow muco-purulent matter, accompanied by excoriation $\alpha$ thaghs, \&e. 'They all recovered unter appropriate mensures. It is is portant that the disense be nlwnys atended to, as the uneasiness and sufferng it ocensmos are grent at the time. In the epudemic of Scarle. Fever in 1848-4.9. Dr Cormack relates that ont of 23 temale patients, al of whom were cleanly, well-mussed, and in a respectable social pusitionj 12 of the number hall well-marked Vaginitis. All were under 14 yem; of age, with the exception of two who were respectively 26 and $\$ 8$ and both married. These two were attacked with acute Vagluitis mudif more severe than any of the chlltren, and one, who was pregant aborted.

Montreal, June 16, 1855.

## ART. VII.-Case of Punctured Wound of Anterior Lobe of Brainthrough the Orbital Plate of Frontal Bone-Snccessiully treated. By James Alex. Grant, M.D., Ottawa City.

J. H. zet 22 , laborer, came under my charge on the 15 th April: in consequence of the following injury:-While viewing the circular saws in operation in the Mill of Messrs. Currier \& Dickinson, Ottawa, an edging wis suddenly thrown from one of the circular saws which struck him midway betwern the internal angular process of frontal bone and the inner side of the globe of eyc. penetrating a distance of three inches, obliquely upwards and outwards.

On inspection of the wound.a few moments after the reecipt of ajury, found a small portion of brain in the orilice of entrance; conclusive evidence that the wound extended through the orbital plate of frontal bone, and meunbranes of bram into the cerebral substance. After probing the wound carefully, three small pieces of wood, each an inch in length and several lines in thickness, were removed; slight hemorrhage from wound. All foreign bodies being extracted, applied cold water dressing.

State of Eyc.-Globe protruded several lines more than opposite eye, extensive ecchymosis of the conjunctival surface of eye, effusion of a small quantity of blool into the anterior chamber, and amaurotic condition of the organ. Here the amaurosis may have resulted either from the concussion of the retina or injury of supra orbital branch of fifth pair of cranial nerves, as buth had evidently taken place Reaction being established, orlered four leeches to right temple, head shaved, and iec waler contimunsly applied, also R Ol Ricini $\mathbf{\xi}^{j}$., Oil Tirtii ytt., to be taken immodiately.

16th.-Has passed a very restless night, pulse 100 full; had a copious evacuation from the bowels; tongue shghtly turred, skin hot ; distressing pain in head, particularly over right orbit. Leeches repeated to temple, and twenty untuces of blood were taken from the arm; these renderes him fuint, and some what relieved the pain in head. Orilered two granns of calomed every four hours.

17th.-Has slept little dariag the uight; slight delirima, and a disposition to walk about; tongue dry, pulse 96 full and more compre3sible; passes his urine freely. Continue the calomel every six hours; cold to head and eye as formerly, and low diet.

18th.-Has passed a quiet. though sleepless nught; has a constant desire for cold drinks.

19th.-Has had a much better night than expected; mercurial fetar of breath; tongue most, skin not so hot ; constant pain in head abating in severity at intervals. Ordered an enema : leeches to right temple, and R Hydrarg Chloridi gr. ij. every sax homrs.

20th.-Has slept more than previous night : skim culd; pulse less froqueat, fuil, and compressible ; tongue moist. A fresh pledget of lint was appled over the wound in ld. and retaned in situ by adhesive straps; continue treatment.

21st.-Rested several hours daring the night ; still comphans of pair in head; soreness of gums and mouth; skin moost and cool; tongue not so much furred. Discontinue Calomel ; ordered blister to right tewple, also the finlowng maxture:-R Ant. Tart.gr. uj., Mag. Sulph. 3 ijf Tinct. Lavd Co 3 iij. Agure $\overline{\mathfrak{z}}$ vil. A table spoonful to be taken even four hours.

22ud.-I'un in head slightly abated; has had several passuges in his bowels, and feels much improved. Continue mixture.

23rd, - Passed a good night ; pulse much reduced in volume; feek more inclined to answer questions; still not perfectly conscious of what has transpired ; occasionally sings during sleep. Swelling of lid much reduced; wound tending to cicarise. To continue cold to head and mixture.

24th.-Progressing satisfactorily ; says he feels much better.
25th. - Has had a slight rigor; increased thirst; restless during the night; inclined to leave his bed; bowels freely opened. Continox mixture every six hours, blister to nape of neci..

26th.-No rigor since last night; rested betler.
28th.-Contnues improving daily; allowed a small quantity \& chicken broth.

May 1st.-He sut up and experienced a decided change for the better. During the period clapsed, frem day of accident to present date, he he labored under slight mental aberration; talks of affairs disconnectedif; imparment of memory; still he almost immediately recognises any per. son previously seen.

2nd.-Rests well at might; pain in head almost cntirely gone; wound in lid closed; flobe parallel with that of opposite eye; inability ${ }^{6}$ elevate the hid; chem sis of lid much reduced; entire less of vision ital injured cyc.

Buh.-Going on satisfactcrily ; able to walk abont the bouse and enjoy food with some relish. During all this peried active antiphlogistic treatment has not been lost sight of.

10th.-Continucs improwing daily; pulse perfectly regular; rests well at night.

After this period nothing of consequence transpired, and on the l6th May 1 cobsidered him convalescent. His memory improves slowly. Dimensions of stick: thickness, half an inch; breadth, of an inch; length of prece entering, three inches.

Ottawa City, May $2 \mathrm{~S}, 1855$.

## REVIEWS AND BIBLIOGRAPHICAL. NOTICES.

Ti.-The car in health and disease ecith practical remarks on the prevantion and treatment of deafness. Illustrated by many fine wood engravings. By Wm. Inanvey, F. R. C. S., Surgeon to the Royal Dispensary for discases of the ear. London, Henry Renshaw, 1854, p1. 236 . From the anthor through Dr. Gibb of London.
The first 15 pages of this work contain an anatomical account of the ear and the remainder is devoted to the pathology of this organ with the treatment of its diseases. The description of the first portion is simplified of much of its complexity and still rendered sufficiently minute for practical purposes. It seems to us a great mistake, into which writers tow often fall, of taking up a disproportionately large share of their productions with subjects of minor importance or with those holding a secondary place. This generally leads to the exclusion of a large amount of useful matter from the aftes parts and which from the title of the work we are led to look for, the anthor has therefore in the present instance, by his moderation, exhibited a better taste and more acute discernment than many others who have gone lefure him into the arena of literary distinction. The arrangement of the remainder is also very ap-propriate-and the diseases of the different compartments of the organ of hearing are considered consccutivels in proper order-those of a general character beginning and those of a more circumscribed iollowing:Commencing with deafnoss, the affections of the auricle are entered upon, then succeed those of the meatus, tympanum, middle car, and labyrinth, and lastly a chapter is devoted to deaf muism.

The first symptom of deafness separately mentioned is tinnitus-this, however, often exists as an affection per se and is frequently noticed whem hearing is peifect. The author in alluding to the contrariety of opiniom as to its cause, says, that recent observation proves that it is generalif induced by a species of hyperresthesia or morbid irritability of the auditory nerve. We have no doubt in our mind that this explains its pre sence in many cases but we also feel that it is inadequate to account fa some others which, though perhaps less frequent, are yet as importans to know as the former. Without entering upon a thorough survey of the varieties of timitus, we may observe that tico have occurred to w that are not commonly recognized. We are not insisting so much upos any difference in the character of the disorder as upon its proximate cause or nature, for it would seem here as in other eases that the same features are presentel by dissimilar agencies. Tinnitus, as under. stood by Dr. II, is really an illusion, for a somnd is heard when there is no material causi for its production-it proceeds from an error of inner vation in the absence of the usual operation by which sound emanates and is communicated. Su that, if, as is admitted, organs that hare never received impressions can at no time become the seats of illusiond based ou those impressions; as for instance those born blind can never apprehend optical illusions-so that if this postulate be true, tinnitus, as des cribed by Mr. If. could never afflict the person deaf from his birth. But it is not so with the forms we think we have recognized; in these no such exemption would be entailed, and the cause of somed is bona fide present and obviously material.

In the first form the Timnitus consists of a confused humming sonnd or resembles the first sound of the heart exaggerated, considerably pro-tracted-it is continuous for the time it lasts, but is not of long persistence. and in its occurrence may be cither occasional or more repeated and assume a more or less distinctly paroxysmal condition. We refer it to: spasmodic state of the muscles of the tympanum, in consequence at which the tensor membranu tympani changes the tension of the membrana tympani alternately increasing and diminishing it-and to the musculus stapedius which exerts the same change on the membrane a the fenestra ovalis-a secondary result also produced by this spasmodic action is to alter the relative position to each other of the chain of bones that stretches between these membranes: now in these three actions, the muscular contraction, membranous tension and osseous transpositioss we believe, will be found the causes of the Tianitus we are describing -and this view derives the more probability from the identity it establishes between the ageney of the tinnitus and that of the sound to which we have already likened it. The first cardiae sound is part

Iy due to the contraction of the ventreles, and lence we recomice in it the bruit mrasulaire, but it is also doe to the teusion of the auriculo ventrumar values during titeir closure and to the prolongation of the note thus cansed by the chordor tendmes whel, hake thenr dummutive the ussicles, are sultemided between two moverble surfaces. the valse and lieart wall.

In the s.reond firm we have leatiod from the patnent fat lie teres
 wit tole a pulsatong sensation, wecurring repulaty for a comblerabl.
 of the herot, or of the sadtal artery at the wrist. Indecol, wo correet an mateator of the rat. withe circulation has il prend. that he has. lig
 as a Phymen has done by the more ordmary mithod. This tmmins
 -ake, may be called frovisionally, at least, the padsatale. Its "harnelter. we beliese, womld surgest that it was in some manner mose or ke:s do rectly cimnerted with the mernal carosid artery, of rather wilh the pat
 tu the memen car. The: exact almormality that may exist in such cases canuot be predicted durmig life, we may, at most, form but an appresima. tion of the truth. It is passible that the bluod of such paticuts may be In a watery or spanormic state, and a species of $Z_{r u i t}$ de soufflet proluced in the fart which is heard ly the patient ; or perhaps some extia-vascular pressure may exist such as the innaction of fibrinous exndation or serons feffusion letween the wall of the lony canal and that of the elastice vessel. lle the real cause, however, what it may, the se to us seem the most probnhle. They are not, liowever, exactly cunventible eases, for it is worth remarking that the pulsitile tinnitus dependent wpun poverty of the bloml would be heard in hoth care, whate that resulting, from compress, in of the vessel wonld be confined to ane side. The first case of pillsatile timitus we ever met with was onc sited, and was remarkable in leing, assaciated wilh paralysis of the museles, smpplied by the facial nerve un the correspendiner side of the face. The case appeat ad to have had an infammatory orisin, and yieded raphly to mercury prished to malivation, and succeded by Iotid l'utass; rendering it cvident that some vasular prulact had been thrown ont in the trajet of the licial nerve, -anl whic!, wo think, the anatomical relations will shew to be feasible, -invol ved the carotid by extension. There, certainly, was no more gencral canse of morbid activn; fur the: palsy was perfectly local, and unaccomp.mied liy a single mark of athed cercbral or spinal disturliance.

The remarks just made are not to be construed unfivorably toward
 pleasure in recording our deep sense of the merts of his wrilings. We have lonked throngh them with feelhigs of gratification, and have coms to the conchasion that they aflod, to then extent, more mformation a the subjects that they treat of than any chto with wheh we are famb har, and, for ordmary pmoses, the practituner on sthedent wall find t them every essenta! they can womire. We strungly recumnend or inends, the Ammeran publishers, to brims wit a copy as ealy as pos sible.
 By dieo. Hayward, M. D., I'resident of the Massachuseft Medical Society; liellow of the American Academy of Aits an Sciences; late Professer of Sugrery in llarvard University, an one of the Consulting Surgeons of the Massachusetts Gener ITospital, pp. 452. Poston : Philips, Sampson and Co. Montreal 13. Dawson.

To one who has furfilled well all the relative duties of hife, retrospes tion cannot be other than an agreeable occupation. When a Physicia has arrived at the " sexe and yellow leal" period of his cxistence, hapm is he beyond compmtation, if with sincerity he can say, "I have faill finly performed my duty to my God-my patients and my profession; and we envy not the feeings of him, who, in luoking back on a spet life, camot point to a single act performed with a view to advance ${ }^{\text {d }}$. profession of which he is a member.

Dr. Hayward has collected into one volume the papers which, at dit ferent periols during a long amd honomble career, were published fort: information of his professional brethren. "Whey are now collected fres a belief that some of them woild be useful from the facts and talle. they contain, and in the hope that all might be read with advantaget: stadents and the younger members of the profession. It was ere: thought that they would perhaps be accasionally consulted by thas. somewhat advanced in practice, whose time was too much occupiedt. allow an examination of more extended works on the subject of whin: they treat. At any rate their revision and arrangement for the pre lave chabled me to review a professional life of forty years' continuaik and thus fumished an agrecable occupation at a tiv : when Tdid not fo capabile of much mental effort."-(Prefuce.)
The chapter on statistics of the amputations of hare limbe that haf
been jerfimed at the Massachusetts (icneral lloputal fom ats establishnent to 5 in 54,140 , is one of some imporiance. There were up to
 den, the mestahty pre cent beins 27. Ip to the same period theno whe 51 ci-e, of amputation of the Lex, of wheh 10 dece, the mortathty hemg $3^{3}$ fir eent. Or the arm and fore-arm there were 23 amputathons, 3 ad wioh, or 13 per cent treminated fatally. These results confrat most favorably with those miven by lireneh and English writers. Malsugness atatistic: from the larivian Lospritals shew the following:'Thigh amputatons for injury 66 ; died 34 ; mortality per eent 75. Leg amputations 79; died 50 ; mortalty per cont 62. Armanputations 30); ded 17; mortality per cent 50. Amputations for disense exhibit a por
 Anm 10 pre cent. Erichsen's statistics from the University College Itopintal, London, shew the following mortality per cent in amputationis, performed for injury:-'Thigh 5S; Leg and Ankle 14, Arm and Shoulder 16! Amputations for disease:-Thigh 201; Leg and Auble i. 5 ; Arm 303.

The ehapters on "Professional Trials of the Young Physician;" and (Duties of tho Medical Profession," will well repay perusal, as they contain matter alike mteresting and instruetive to the practitioner.

The work is hought out in good style hy Mcssrs. Philips, Sampson \& Co.

> O - On the Chemiast Anulysis of the l'enncssc Collection of Uimany Calculi. By E. B. Haskins, M.D. pp. 24.

Br. Haskins has given in the alove pamphlet the qualitative analysis of one hamdred and cighty-eight urmary caleuli, the number forming the Temessec collection. Of these Prol. Eve, one of the editors of our talented contemporary, the Nushvelle Journal of Medzcine, has contributed. 115. The largest calculus in the collection weighs 1.027 grains. The aggregate weight is 16,029 grains, and the average 91 grains. Contrary to what is foumd to obtain in European countries, uric acid calculi is extremely rare. Out of the mumber analysed, four only contaned uric acid as a predominent constituene; whist st was fomd in a free state but sixicen times.

We camot offer a roason why, but cortain it is, that urimary calculus is comparatively a rare aftection iu, Cubada. Surgeons, even in extensive practice, seldom have an opportunity of performing the operation of Lithotony. Dr. Hobert Nelson, while m Montreal, probably performed
more oferatuns for stone than any other single modividnal in the Pro-
 only sumblt ult by him, but were also hought to han fiom different parts of the cumbty to be opedatcd upon. Wher ho collection is we fnow nut.

 phia Cullege of Medocine, dic. Phuladelpha: Lendsay \& Blakies ton, 1S55. pp, 259.
The ahove addition is woiks on Chimetry has latuly bece issucd fiof the press by Messrs. Liudsay \& Blakisten, and forns one of the usefit class of orginal protuctions with which, from tume to time, these liber: and onterpising gentlemen favor the profession. It consists of the parts, which are allotted to principles of Chemistry, Inouganic Cliemistry: and to Organic Chemistry. In cach is a condensed acsumt of the dis. ferent tupes that fall under discussion, and we have to express or approbation of the ingenuity and skill it displays. We believe the student will find in Rand's Mcelical Chemistry a summary of the chief: points usually expected from him in cxaminations, and lo very that: firl to the author for the simple; licid mamer in wheh they are cons. sidered, as well as the easy, comprehensive language on which they at worded. The book is chenp, and a few shillings camen be better hat: out than in its purchase.

## CLINICAL LECTURE.

## (Eion Aledical Circular.)

In, Aukylusar rinel casision of the Knce-joint.--By Joun Jumensen, Ley
F.R.C.S., Professor of Surgery, Unversity College; and Suga to University College IIuspital.
Gentremen, - We had a case of cicision of the knce-jume last Wd nesday, upon which t proprose to make some remarks, bit before doith so I shath make a fow whservations upon a case of ankylosis of the kno joint, which will be brought into the theatre an a few minutes. Whe the liner-juint is inflamed, if the disease phoceeds to such an extent to destroy, the cartilages, either an operation becomes necessary, to sak the patient's life by amputation or excision; or, we must try amd
ankylows te take place. Inflammation gome on to supperntion and destmetron of the carnlases, chlare remewil of the lmot or ankylosis must Lu dincted. Jour a hals to be nsiful, it must become stificned in a troight unt a bent position. With a lonot limb, a gatrent is worse of Hhan il he hat molind at all, the limh is always in the way, and it lonked upon as at denate to the suresen whu leaves it in this condition.
 notice sume months acro, but is the pritut was an an advancest state of 14entucy at the ime, I deferred straightening it untal after cenfone ment, nad as son as the was over, we wonh then adupt sembe means to $\therefore$ rabirhen it. It is now seme months after her labour, and she come.. wilh her knci much bent, min state ol partial ankylons. Ankylusis you may have cother complete with bony umion, or incomplete withont. It It is lony and the limb in a findty prosition, you must enther amputate the lamb, or saw throurh the buncs and strasioten it. We had a case six werek aro in the lluspital, of a girl aged twelve years, with a limb in thas fatulty prisition, which has existed smee she was a year old. The Jomb was shortened and minch atrophied, and noond have been perfectly uncless even if straightened, and amputation was comsequently perform cd. The masclus of the leg were fonend in an atruphied condtion, whalst those of the thigh were, in a state of fatty legeneration, the ends ut the bones were firmly ankylosed, fut in a state of caries in particular spots. I saw all treatment execpt by amputation would have been uscless. If there is bony ankylusis of the kinee, with a food limbotherwise, there is a plan of treatment recomnended ly Dr Rhea Barton, of America, which may be adopted, which is to take out a wedge-shaped piece of bune, to permit of straightening the limb, instr ad of the bent jusition. In the case yon will nuw see, the juint is slinglly merealle, the ankylusis incomplete, and the limb is not shortened, and we shall endeavour to straigtiten'. (The pationt an cllealy waman, was here lirought in, mader the indurme "f chloroform, and was had upon the operatinge hable; the right lea was theu ceized ly Mr Einchsen; it was in a semiflexed positiun from ankylesis, and was forcihly straghtencel, and then put upon a splint, and she was removed.) As I irm straightening the lianb, Genllemen, you may hear the structures wothin the joint tearing down, the limb shall be put up in a splint, and 1 expect we shall have litule trouble whith. We have lately had a case of buny ankylusis up stars in a girl, whose leg was mputated, as I abrearly have neentioncil; a recent case of rhemmatic discase with incomplete ankylesis, under Dr Garrod, where straghtening was dune; the case you hate just secn straghtened; and bastly the case of excision of the knce-joint-an interesting group of four cases of amieted knee-joints. When the splint has leen on for some nime, in the cuse just operated on, we wall take it off, and allow her to move about, and donbeliess she will de well; we do not want a perfectly atrught pestion hare.

The case to whel I wish to direct yourspecial attention to day, however, is onc of excision of the knee-jont, of which I will narrate the s.c-
 are ahve and in good health. Six years;ige, when ruming, he fell and hurt his knee, which wits followed in a week after by inflammation and swelhnig; cunsiderable swelling remancd with more or leas disease of
the jont since that time, inmerous abseesses formed, cpened, anl heal ed, and the joint became in a sufficienty stishactory state, allonige kim to go about till hast Decemier, when, in consequedec of some injary. it became inflamed again, and he lad exacerbations of his disease up the perient of his admission on April 20 . When admitted it was swollen and inflamed; it was moci larger than its follow, lning two inches larger in circumference; on examiving it we found an absecss on the onter side of the join, which I upened; at the time, belore donys so, however, I stated that I was not sure whether it commumicated with the joint or not, as a probe did not pas into the joint. The joint wa very moveable, the liganents were relased, and the condyles of the femur slipped to and frower the tibia; there was no pain on doing that of pushing the foot upwards or en striking the heel; none on bending es at a moderate degrce, but if at an acute angle the pain was then veryse vere. He had sweating, thushings, fever, and the orthary symptens of bectic. The first thing to ascertaill was the state of the joint. I mentioned to you that there was disease of the liganents and the synovial membrane of the joint, and the reason of my opinion was, that the limaments were oo loose, permitting of the movements of the joint, as already deseribed, and there was a gool deal of dongliy swellins around it, which is st characteristic of this form of disease, and which hay been so well described by Sir Benjamin Brotie. It the cartilages had been much discased we should have had pain on pressing the surfaces tugether, or on rubhing them against each other. My opinion then was that there was discase of the joint sifuated in the liganaents, cartilitecs, and synovial membranc. What course was now to be adoptcd? Six years hat leen spent in treatment without success, the boy's health was wearing coits the irritation still existed, he was getting hectic and intercurrent fever and would havedied in a few months. Two courses presented themselves amputation and excision. I was rather disposed to amputate, as la looked strumous, be was suffering from hectic, and if strumous it might redevelope itself after the excision, and he might not tre able to bear up after excision also, from the exhanstiog nature of the disease. For these sasons I proferred amputation, but the pratents refused their consent, and wanted the other operation. They refused to allow ampatation people in poorer ranks of life dislike the maiming, and will put up with almost anything else rather than'luse a limb. Under these circmmstances I thounht it best to excise the joint. A few words now on the excision of the knec-joint, but I shall not specially enter into it. It is not so me dern an operation as has been shlposed. It was practised in 1784 by Mr. lark, of Liverpool, in three cases with sllecess. In 1530 Mr . Syur renewed it, but he now does not perform it, judgin! from his recent writiugs. About 1S50, I believe Mr. Fergussun again renewed it, and since then three and thirty times it has been done, inclading fon times in this huspital. A few words about the manner of performing the operation: It may be done in dilierent ways, but there are threc that I shal notice; the first an II shaped ineision. Two on cither side of the pratela, with a connceting transerse incision below the patella. The whote pint is thus well expescd. Anuther methexl is the elliphical, whith! have always practised; and a thind, mentuced hy Mr. Jones; of Je rsev.
consisting of tiru incisions, une on eithen side, lut withont the transverse incision; the patella and ligaments are dissected off, and pushed on one sule; by this operation yor save the liganeutum patella, which some pperators think of impoutance.- I prefer the secund, you get a better view of the joint; the saving of the ligamentum patellee is not of so much Fmportance as imagined, you get all the structures bound down in the gourse of healing, and all the parts are consulitated. What parts of mportance have you abont the juint? The popliteal vessels and nerves. You divide the ligaments in this uperation, and the state of the parts, whether the articular surface of the bones are disensed, and also the cartilage, synovial membranes, and other soft structures of the joint. You next proced to "excise the discased parts. You saw off the diseased articniar surfices, the lower end of the femur first to the extent of an inch or an inch and a half; you next bend the joint forcibly, and either clear the head of the tibia or remove a mere slice with the saw which in general is sufficient. The lower end of the femur is more diseased than the tibia, at least $I$ have found it so. In the tibia the encrusting cartilage occupies a flat sueface, in the femur it extends over the irreguhar condyles. Iaving removed these, you look to the state of the patella. In the eralier operations the patella was removed, but it was found inconvenien:; if, however, it is not diseased, it is as well to leave it, as it tends m-terially to strengthen the joint. You next approximate the ends of the bones and shave of the flap, to stit the articulation; you gut the limb in a slight splint, and use light dressing for a dew days, and ultimately, if everything goes on well, you get ankylosis of the joint.

I shall now say a few words as to the operation itself. The object is to save the somd parts of the limb at the expense of the diseased, to gave the foot and leg. If too much lisense exists however, or it the leg and foot are atrophied, it will be of no avail; if there is a chance of leaving a tolcrable limb you may have recouse to excision. There are two points of considerable importance, which perhaps have not been awelt upon as fully as they deserve. The first is, what is the mortahty as compred with amputation of the thigh-the comparative rate of mortality of amputation of the thigh with that of excision? Your altermative is always betweon amputation and excision, and hence, in dealing with the general question of excision, you inguire what is the mortality from each. If we look at the statistics so far as they go, the operation has been done 33 times (from Mr. Butcher's excellent paper 31 times.) Ont of the 33,27 have recovered, ar are in a filir way of recovery, and only five deaths have occurred out of hat number. Five out of 33 is a tolerably suceresfat result, being 1 in $6 \frac{1}{2}$ cases. What is that compared with amputation for disease? Nalgaigne states in 153 cases of amputidion for disense 92 died, equal to 60 per cent. In this hospital I collected the slatistics of amputation of the thigh for discase, out of 34 eases, nearly the stme number as the joints, there were seven deaths; seven denths agrainsf five from cxeision of knec-joint. Seven out of 3t cases is an extremely favomable rate of mortality, the balance lies in favour of excision; that is, it is less fatal than amputation of the thgh. Now the next question is, what is the result of the operation,--what condition do yon leave the patient in? The desult varies in different cases. Mr,

Butcher states that in his history of the 31 cases, that 17 out of the 31 were walking about, five hat died, the iemaining nine being still unde. treatment; 17 cures ont of the 31 last August, were known then to be walking about. I have secn paticnts who were walking about, and would have been impossible to suppose that they had been subjected tos severe an operation, or to ascertain what had been the matter; the lim: was shortened two or thee inches, and they were wearing a high-heela shoe. Mr. Park's case of a sailor whom he operated pren was chable to continue the same ocenpation without inconvenience.

It we look to the result, therefore, we shall find it is must satisfactor and encouraging, and we give the pationt a chanee of possessing a us ful limb. For these reasons, then, I think ver ion of the knee-jointio certain cases is a perfectly proper and jnstifiable uperation, and vightw be practised. There is one objection ur';cl against it, the time uccupié in the cure, such as six or cight monthe, or ceen longer, but this is mon apparent than real, as for this length of time the pationt need not wi confined to bed; in two or threc months a starch bandage and uthe treatment, may be empluycd, and crutelics may le used. In amputation of the thigh it is always three or fom and ufhen five ur six munths betor the patient ran wear an artificial limb; if adjusted to sum the cicatr will open and talcerate occasionally, and the patient will have to lay again. Excision of the knec-joint ought, then, to le practised in favos rable cases, in thuse whete the re i. a paspuct of weovery, with the pos


## THERAPEUTMCAL RECORD.

## (Virginia Medical and Surgical Journal.)

Bronchitis-Chronic.-The use of hydrochlorate of ammonia, in dos. of fifteen or twenty grains, is highly spoken of by Dr. Delvaux ( $P_{\text {as }}$ Mect. Belge) as a remedial agent in the treatment of chronic bronchitr He precedes its administration with a purgative, and enjoins a strict dr during its contimance. Dr. Dilvans alleges that the cough will lese and the dyspmer hecome less, whil.t the appetite impures. It cans on increased flow of winc, ant alsu an angmentation of the cutanef: transpiration.

Enaresis.-It is very woll tohate at hand arions formuls fulti noublesome affection in children; ant we select the folluwing, whit we owe to the Cazette de Mopitaux:

Mr. Blasehka, of Preyenwalele, uses equal pats of tinct. nucis vomit mol tinct. ferri acet., of which 10 or 15 trops should be taken twiec eaf evening.

Dr. Wuber, of Zurich; recommends ext. nucis vom. 1 purt, oxyll. for nigcr, 48 purts, giving two grains night and moming.

Dr. Naegele gives one grain of tarnin night and morning.
Ganglion.-To break what is commonly called a ganglion, and thus disperse the tumour wnich is often disfiguring to the wrist, and about Fwhich we are ofien consulted, it is only necessary to flex the wrist so as to make the skin tense; then let the surgeon seize the hand with both of his and place both the thmms, one abuve the uther, on the ganglion. It is rarely that such pressure does not succeed in its ubject, whereas the pusual way of placing the thumbs side by side, by the law of the diffusion iot presence $n$ fluds, the two counteract each uther, and there is great loss of furce.

Glandular Enlargements.-An ointment of liack oxide of copper is thought of great value by Prof. IIuppe, of Basle, (Deutshe Hlinik) to discuss the varous forms of glandular enlargements, so often occurring in practice. Ile has specially tested its virtues in indurations of the neck and of the salivary glands, goitres, and mammary enlargements.

Hydrucele.-Truf. Langenbeck, of Berlin, nut being satisfied with the effects of the ivdine tincture as an injection in hydrucele, has recently been empluying charufurm as a sulstitute, with the happiest results. Ile finds that it proluces adhesive inflammation more yuickly and more surely than the oll remedy. After withdrawing the flaid of hydrocele, he injects abunt one drachm of chloruforn, which remains for a short time, and then is allowed to escape.

Porigo:-This obstinate affiction, often met with on the scalp in chndren, is attacked at Guy's Mospital with a prescription styled Unguentum hetallorum, and prepared by mixing equal parts of zinc ointment, of the dilute nitrate of mercury, and of the cerate of acetate of lead. It has been very efficacious in porrigo, impetigo, and even in favus.

Syphilis-Secondary.-M. Desmartis, of Bordeanx, declares that after a careful comparison of the effects produced by the different preparations bf mercury, he has come to the conclusion that the cyanuret of mercury is of superior value, more especially in syphilis. He states that it never jrritates or salivates, and where all the preparations of tiat metal had failed to produce benefit, that the cyanuret would restore to health, patients whose condition had seemed hopeless.

## PERISCOPE.

New methool of introducing mediczaes into the system, more especially applical: to p.infu? loc.l2 nerzous affections.-Dr. Alexander Wood has been led to introluce solutions of morphisa and Batley's sedative solution into the collular tissue, as near as possible to the affected nerve, by means of the small perforating syringe, construeted by Mr. Ferguson of Giltspur strect, for injecting aneurisms with jerchluride of ron. Dr Wood marrated nine cases in which he had eraployed this method of treatment, in all with rerfect safety, in some with complete, in others with partial success. As to the molles operandi of this netard of treatment, he endeavored to show, from the experiments of Muller and others, that the
effect of the local application of opium to a nerve was to destroy its se sibility at the part, and that from this action of the drug the immedix cessation of the pain arose. He then pointed out the rapidity wis which absorption appeared to take place from the cellular tissue, whit seemed to account for the rapidity of the narcotic effect which a sm dose of opium so introduced was found to produce. He also point out, that other medicines might be introduced in the same way.

Dr. W. T. Gairdner mentioned, that a patient in his wards in the ho pital, had been injected the other day in the way recommended by If Wood. The result was not decisive, as the complaint for which \& man was under treatment, riz: lumbago, had been undergoing rap amendment, and, indeed, the day after the operation, was nearly goo The experiment, however, was attended with little suffering, and it on noted that some degree of giddiness was almost immediately produc* -Monthly Jour. Med. Science.-Stethoscope.

An account of the sood effects derived from the External Enipioyment Tar Ointment, combined with Sulphur, in Cancerous Affection By William Macdonald, M.D. Lecturer on the practice of physi formerly lecturer on the theory of medicine in the Portland Street M dical School, Glasgow.-About twelve months ago, the late Mrs Dar Hogs, residing at No. 14 Sharp's lane, Glasgow, applied to me fur dire tions relative to the restoration of her declining hea'th. Her age was! years. Her left mamma was affected with cancer, and was in the thii. or suppurative stage of that malignant disease. She complamed. chronic cough, coupled with tension of the nerves of the forehead ar occiput; and from the age of 45 years she had an indescribabie feeln of being out of order, buth in the chest and in the region of the mamm which was now affected. Of late years this disorder was supposed; have been aggravated by the depressing effects of gricf, brought va $k$ by the sudden departure from this world of a near relative.

I recummended to her favourable consideration the inmedate ei ployment of an alterative course of Plummer's pills, cuapled with t use of sarsaparilla, before an operation for the removal of the mamma in to have been performed. She cheerfully adupted the first purtion ofr advice-viz., the use of the alter tite coarse aforesaid-but demume at the uperation, and it never was performed. After having receira the benefit of the advice of my medical friends fu: severai montis, st again called, and sulicited some directoms in place of the uperatonmeasure to which she was very averse.

- At this period of her illness the mamma was twice the usual stze, in the ulcerative process was not diminished, and, what was worse, th axilla was affected also with a large cancerous tum:our. Of course a operation was ont of the question in these critical circumstonces.

In consequence of the salutary effects produced in many chrone uice now under treatment by the employment of the common tar onme of the London Pharmacopeia, with the addition only of washed sul? limed sulphar, Thave had no liesitation in makeng trial of its effects.
cases of cancer, similar to the case in question, and that with apparent siuccess ; accordingly the patient under consideration was ordered to apply the following ointment to the mamma every night at bed-time, and on every following morning to dust the nicerous mamma with powdered chalk. The ointment is made as follows, viz: Take of tar, prepared suet, and washed sublimed sulphur, of each one ounce; melt them together in an earthen vessel, and express through linen.
This application was continued for four weeks, until the mamma became reduced to the natural size. A carrot poultice was then applied. The cancerous diseased structure, and its numerous roots, came away kindly along with the poultice; and the cure was finally accomplished by dusting the powdered chalk on the tender surface of the breast every third hour. At the end of seven weeks from the employment of the sulphur cintment and tar combined, as already stated, the mamma was completely well. Yet the cancerous tumour in the axilla remained; but the patient went about as usual, and for several months after this period in better health.
Several weeks ago Mrs If., was seized with febrile symptoms from some cause or other-the swollen cancerous gland of the axilla suppurated ; general dropsy came on and her death took place a few days ago. From the sudden nature of the fatal attack and the severity of the febrile symptoms simple ointment alone was applied to the suppurating axilla, because the tar ointment combined with sulphur is stimulating in itsaction and is by necessary consequence only admissible in the çhronic stage of the disorder, or in chronic ulcers generally.

There was no inspection of the body after death and it is therefore out of the question cither to affirm or deny the presence or absence of internal cancer which obviously might end in producing the dropsy coupled with the other febrile symptoms which were observed before death, in this case.

Seeing the good effects of the tar ointment and sulphur externally in cancer, Thave of late and by analogy been induced also to prescribe tar water internally exhibiting sulphur and supertartrate of potash internally also, and giving these remedies on alternate days in similar cancerotis disorders and with marked benefit.

In these critical circumstances I have taken the liberty of soliciting in the meantime a measure of publicity to this case in the hope that other medical men might be enabled to benefit their patients on the same principles. Should this very desirable issue tale place to suffering humanity under the ravages of cancer-one of the most dreadful and dangerous diseases (and in cases of it where operations are objected to), I shall be much gratified.-Med. Circ.

Pus in the Urine.-The presence of pus in the urine is of not unfrequent occurrence, and must generally be considered as a symptom of grave importance. The difficulties which so often attend the establishing of a correct dagnosis of its source, are too well known to the practitioner. And yet, without this, we can neither expect to render our patient any real service, nor ourselves any satisfaction.

I propose to offer a few practical suggestions, firs*, upon the general appearances which pus in the urine presents, and uron the means of detectur it: secondly, upon the means we possess of arriving at a kiowledge of its source.

Trine whelz contains pus to any consilerabie amoant. suficient, for exampe, to form even a slight dephist, exhibits a certain degree of cloudiness, from the moment when it is pissed. This fact wall serve to distinguish it from irin. cuntamig urate of ammona, a derusto of which resembles very minela a depust of pus. Urine contanme tirate of ammonia is senerally l, right and clear at the mement of micturition, and only becomes turbid on coling. Poment urime, after standing some time, throws down a deposit, the slipernatant hand hemp more or less clear accurding to circumatanees, dependige upen the iencth of time during whech it inas been left in repuse, and ipon the amome of pas present.
 ash-white coner, of creamy consistence, whate shagry un the surface, varying an thicknes- according wo the amomat, and casily diffused through the arine ey slight abitation. This is the most common form of the paralent depusio. and if we sumbit to a meroscopuc examination, we shali tind anabund mee of pus-corpaseles, with few or no vilher ingredents. The arine whl he fond to have an ach re-action.
Or, the deposit ingo of the same yelowsh-winte color, and the urine and, we shall find it mixed with more cr less mucus. rendering it slightly tenacions and somewhat shity, and under the microscope we shall discover the pas-corpuseles adhernis t"rether.
Agam, the deposit may be of a thiok. visid, repy cunsistence, resemblang what is termed glairy mates-the wrine being alkalme. This peculiar apuearance is lironght atrout by the diseompestition of the pus, which acts upon the urme. rendermg it alkn!:ae. and this alkaline condition of the urne in turn re-acts upn the denosit, ming it the character just describad. Thie same ettect may be irtificially produced by the addition of an alkali, lequor potissie, for example to a purnlent deposit. This decompostition of a puralent deposit takes phace after it has been suffered to stand for some tme. Recent observations have shown, that what has been considered as a depost of glairy muces, is but this decomposed pus, "and that mucus never assumes this proticular form of a ropy sediment. which sinks to the botom of the vossel ; nor does it ever exist in the urine m such cumatity as we frequently find this altered pus." (Toda.)

I have remamiol that purileut urne exhibited a coctain degree of clondmess from the mement of micturtion, but this pecularity, it must be remenhercd, may lo also exhibted mader other ciromostances. Une contaning an exees in phiaphates is not mfrequently cloudy when first pasech and eva. winn clar at the thac of mocturition, after standine throwidewa a depos: nuch resemblins one of pus. Yet, on closer examiataton. it will be found more flucculent and much lighter than pus, and of a whiter color. Phosphure urine is almost always alkatine. The adhton of an acel to phosphatie urine, instead of coagu-
latng it, as is the case with that containng pus. renders it clear. These are expeditious and reliable means of distingushang the two.

A few words upon the coagulation which takes place in pirmlent urne on the application of heat aud nitrie aced. This coagulation is due to the albumen contained in the tuid, the liquor puris, in which the puscorpuscles iloat, and the amsunt of coagalation is in direct proportion to the amount of pus present. This fact, viz., that purnent urane is abways albummous. shoild be borne m mind, since, no doubt, the coagulation produced by the re-agents just mentioned, when applied to urine containing pus. has two often led the bucapernenced to suppese that the patient was necessarily sufferng from Bright's disease.

Deposits of pus may be confounded with those of mucus-and yet? with moderate care, they may be eassly distinguished. In tine first place, mucus rarely forms a layer or stratum at the botom of the ressel, as does pus, neither is it easly diftusable through the fluid by aryitation. Secondly, the urine contanng mucus is alkalme, whereas purulent urine is almost always acd-or when it is alkaline, owing to decomposition, the purulent deposit exhbits the glairy appearance of mucus, and is under those circumstances most liable to be mastakeu for it. In such a case, we must have recouse to acetic acid, in which mucus is soluble, and to the microscope, under which we shall not tail to find more or less epithelium, "and the so-called mucons particles, "a small number, which doubtless are incipient pus-corpuscles." Thirdly, mucus does not contain allmmen in a state to be coagulated by heat or mitric acid. If these simple facts are kept in mind, there need be scarcely any difficulty in distinguishng these deposits.

Pus being present in the urine, we are anmious to discover its source, a point in almost all cases attended with more or less difficulty, and in some perfectly impracticable. Pus may come from any portion of the mucous membrane of the genito-urinary organs-or it may come from some adjoining abscess which has opened into the urinary passages.

Pus from the kidneys may be the result of inflommation of the tubuln and pelvis of the kidney (pyelitis), of suppurative nephritis, and of other renal affections. Withont going into detail upon the diagnostic symptoms of these affections, we can only remark that in a majoraty of cases the local symptoms are sufficiently well-marked, and point to the indneys as the parts implicated-in mauy cases, morcover, our dianno sis being confirmed by the discovery under the microscope of "tubular casts" mixed whith the purulent deposit. One very essential point must be remembered, viz., that the urine flows from the kidneys into the bladder acid, therefore if the urine which contains pus is found to have an acid re-action, particularly after iong standing, we may be quite sure that the morbid admixture comes from the kidneys, particularly if we have the symptoms of renal disease present, or else from some abscess external to the urinary apparatus.

Pus from the bladder is almost always the result of inflammation of its lining membrane, which, however, uader such conditions, pours out a ritiated mucous secretion, which seems to bring about a speedy decomposition of the urine-and certan changes in the purulent deposit, such
as I have already described. The urine enters the Lladder from the kidney, acid, and becomes mixed wath the secretions of the inflamed membrane ; if these are not very abundant, the acid re-action contimues even after micturition, but on standiug a short time decomposition takes place, and the re-action is alkaline. This change may take place within the bladder, as is well known in cases of paraplegia from injured spine, or where there is any mechanical obstruction to the free discharge of the urine
Hence we may establish, as a general rule, that, when we find urine containing pus to be alkaline and to deposit ropy mucus, the bladder is the source; whereas pus in urine which has continued acid for many hours after standing, has come either from the kidneys or ureters, or from an abseess external to the urinary organs-a purulent discharge from the urethril canal being in most cases easily recognised.

The bursting of an abscess through the walls of the bladder, or into any other portion of the genito-urinary syste.. ay be recognised by the sudden anpearance of the matter in the urine, and by the history of the case-Bostr, Med. and Sur. Journal.

## GERMAN.

Stoncy Conerctions in the Lungs.- Frofessor Forget, of Strainourg, $r$ ublishes a t . w cases of this singular affiction; some of which terLainated in the patient's recurery, in so called Phthisis Calculosa.
The inhalation of calcareous, sandy, metallic substances, \&e., producing this Phtlusis Calculosa, has been noticed by several writers and observers; but $F$. alludes to an entirely different condation, which the following cases will best illustrate:-
A culleague, of a seemingly strong constitution, but spare body, and nervous temperament, had fur several months sulfered from a severe, dry, distressing cough-following exposure to cold. He had frequent spittings of blood, and soon became waste and emaciated. The tone of voice, dullness and mucous rales in the subclavicular region, hectic fever, and so furth, led $F$. to believe that the patient was labering under pulmonary phthisis. The symptoms contianed to become aggravated, until one day F. recerved a letter from his friend containing two concretions which he had a short time previonsly expectorated; they were osseous, of the size and form of the small bones of the ear. From that monent the cough, expectoration, and fever disappeared; strengtl. aturned, and thus continued the recorers, that after more than seven years, no trace of a chest aficetion can be detected in the now strons and robust colleague.

A girl of six-and-tuenty, after long coughng, presented all the signs of the second stage of tubercle of the lungs. One might, after severe coungimg, she expeciurated a stone of an irregalar form, abult the size of a pea, and of the cusstenee of ivery. From that time the condition of the patient rapudly mproved. 'ihe recoves. Emild not be said to be complete when the person. pleaved with her improvement, left the hosputal.

A seamstress, at $2 \Omega$, was admited into hospital for Tleurodyna; a few days after she was seized with Variola, under which she succumbed. At the autopsy the lungs appeared perfectly sound; in the centre of the upper vaive of the right, surromied by perfectly healthy tissue, was fannd an osteoid foimation, whic'1 weighed twenty centi-grammes.

From the observation of those three well-marked cases, the writer draws the following conclusions:--1. There are Stony concretions of the Lungs [Lungen Stcin] which are primitive, sui generis, independent of tubercles, inhaled substances, \&c. 2. These stones can be either solitary, or in very few umbers, distrihuted throughout the Lungs. 3. They can, occasionally, remain for a time latent in the Lung. 4. They reasion, or give rise to, symptoms resembling Phthisis Tuberculosa. 5. The Phthisis Calculosa Primitiva mav be radically cured by erpulsion of the stone, when sohtary, or in few numbers. 6. The Plathisis Calculosa is, therefore, distinct from Phthisis Tuberculosa, and. as well by its anatomical character. as by its termization, is an enturely different disease.--Med $z=\mathrm{Neneg}_{\mathrm{g}} \mathrm{i}$.

Leucorrhoca often a protcetzon.-In "der Munatsschrift fur Geburtskunde und Franen krankheiten," Dr Helfft, for the better understanding of uterine affections, observes:-"That when after cessation of catamenia leucorrhoa makes its appearance, it is not to be considered, as it generally is, a formidable affection of the uteris, and be treated as such; for far otherwise, he looks upon its discharge as exerting a protecive influence against disturbance of the uterine system during the menstrual period. This vicarious secretion should in no manner be checked; except when a too copious Jischarge, of an offensive odour, and severe pain in the back, cause us to suspect ulceration of the cervix; in which case ocular inspection is necessary and warrantable. In ordinary cases diligent ablutions in warn water should be used, but injections under all circumstances arc objectionable.-Rid.

Secale Cornutum in Chrcnic Gonorriuea.-Lazowski, observing the good resnlting from the use of ergot in l'aralysis of Bladder, was led to its employment in chronic gonorrhcea. He soon had an opportunity of trying it in a number of very intractable cases of gonormea of long standug, with such results as to warrant his warmest recommendation. The maner in which he uses it is as follows:-

> Secale cornut (recester pulverisat) $\pm$ grammes Croci martis Vaniglice et Camphor, trit aa ID Divide in doses seriuales No. 20 Sg centigramme one mornng and evening

In chronic gonorrhea in females it has been found of great service. The cure ss generally effected in about 15 days (beiween 10 and 15.)Ilid.

## FRENCH.

De ïhuile de Bontenz, comme moyens Curatuf de $L$ 'eczema Ciorminue, par le docteur Blasins (de Halle.)-Lhuile emprenmatipue du betula ulba employce sous le nom d'oleum rusci, a été recommanủee jar Heim contre le psoriasis. Suivant MI. Blasitis, son action dans leczema chronique est ijen plus cfificuce; il sen sert depus quinze ans, et il en a toujours obtenu d'exerllents résuitats. Il luı serait facile, dit-il, de produire un nombre considerable de faits à l'upui de cette assertun, mas il troure plus litile de iracer les rérles de son emploi. Aussi lonstempo que l'eczema est à letat dist, il convient de se borner anx adoncissants. Mais des que l'affection est devenu clronique, il faut frictiomner les mpties malades avec de lhaile pure, les envelopper d'un linge de doile, ${ }^{-}$. au bout de quelques jours, les laver dans de l'eau de saron, four recomnencer ensaite de nouvelles frictions haileuses. On continue ainsi, nonsenlement jusqu'à ec qu'il ne se produ:se plus de résicules et que tout suintement ait cesse, mais même ju qưà ce que la nean ait repris sa conleur et son aspee: neimal. On pont employer ce nédicament, soit dars les cas où la pratu est sans cesse humectée par la strosité qui s'echappe des parties affectees, soit, au contraire, quand la pean est siche et couverte de croutes épaisses. Sculement, lorsque l'eczému produit une doulcur cuisante, une plus crande sensation de chalcur, de la tume faction et une rougeur plus vive, ce qui annonce un retour à l'etat aigu. on interrompt pendant un juir ou de l'huile de bouleau. Parmi les remedes internes, l'anteur signale, comme les plus efficaces, le sulfure de chaux stibié (calcaria stibiato-sulphurata,) l'anthrakokali et le sulfure d'or. Il recommande de se procurer de bonne huile empyrcumatique et d'éviter un mélange de gondre ou et d'huile empyreumatique óoleun animale fortisdum) que les ciroguistes délirrent quelquefois an lieu d'nuile de bouleau. La vèritable huile de borleau (oleum rusci) est comme dans le commerce solis le nom de dagged, et est apportée par des juiís de la Fologne ou de la Russie.-(Deutslie KJinik Gaz. med. de l'aris.j

Brulure Traites par le Collodion, par M. le docteur Gostc.-Nous fumes appele, le 3 aont dernier, pour voir un petit garcon d'environ huit mois, gras, frais bien portant, à qui sa bonne venat de laisser tomber sur le corps une tasse de lait presque lwnilant. Ce liquide avatt été repandu sur le thorax, l'abdomen et les cuisses.

Il y avait environ une heure de l'accident, lorsque j'arrivai pres de l'enfant. Ses cris étaient incessants et accusaient la plus vive douicur. Il ne pouvait tenir en place, et la roideur presque convulsive de ecs membres, le tremblement de sa mâchoire, faisaient craindre un état encore plus grave.

Des phlyctennes existaient à la base de la poitrine, sur le bas-ventre sur la verge, le scrotum, la fesse et la cuisse droite dans une grande éendue. En attendant qu'on apportât le mélange que j'avais demande de 30 grammes de collodion et ce 6 grammes d'huile de ricm, j'evacuan avec soin la sérosité de phlyctènes et des vésicules, par des petites picures avec une aiguille déliée, et j'appliquai des compresses froides sur les parties attemtes.

Vaine ressouree: lemiant conthanat à crer et a s'agiter. Bientót on apporte le cuitionon: jol'etfuls a l'mstant nème avec le bouchon du flacou à large ouverture qui le contenat, sar ioutes les parties bralées, et, bien que l'enfant ne cessat de crier: a messure que j'apphquais le reméde, il semblai: de monent en moment redoubler ses cris. L'epiderme arait ete enlere de la phe large phlycténe aupres de l'ombilie, il en résulte une doulear plus atroce de l'application du remede. Je recourris toutes les parties oi etait étendu le collodion, de coton en rame qui adhéra parfaitement bien, et in peau se troutrait ainst à l'abri du contact de l'arr et des corps etrangers.
Deax ou trois minutes s'etaient à peine écoulees, que l'enfant commencait a se consoler: mais la douleur semblat revenir par ace s.

L'etendue de ces brulures, dont une partie atteignait le troisième dégrè, l'irritabilité de l'enfunt, son emboupoint, ex l'injection capillaire de sa peau, me fassait craindre quelque accident. Je retournai le voir quatre heures anres. et jo fus agreablement surpris de le trouver gai et jouant sur les bras de sa bonne. Après deax ou trois juirs, le coton se détacha des parties les moins atteintes, et le point de l'abdomen où je redoutais, une longue suppuration, n'en doma pas du tout; seulement, la, le coton ne tumba que plusieurs jours après.
On ne peut se faire une idée de la promptitude et de l'excellent effet du collodion dans la brulure. Nous ne saurions trop recommander ce moyen.--(Journ. de med. de Bordeaux.)

## Thy efllocial Clbromide.

licet omilibl's, licet Nobls digintatem artis medice téeri.
REGISTRATION OF THE CAUSES OF DEATH.
The importance to a public community of a correct registration of the caujes of every death occurring in their midst, cannot be too highly estim. ted. In England and Wales, where such registration has for many years been carried into successful operation, $i^{+}$is now admitted, that the information derived from this part of the Registrar General's returns, has materially forwarded the scionce of medicine, as well the interests of the public generally. It is sufficiently obvious that an exact return of the causes of death, taken in connection with the age, sex, profession or calling, and residence of the deceased, must throw a flood of light on the rital statistics of a country, exhibiting as it does, the prevalence of fatal diseases in various localities-the ages at which persons are most obnoxious to certain maladies-and the affections most
fatal to the different trades aud yrofessions. Dy analyzug accumutín . ed knowledge of this kind, moreover, the medical statist becomes acquanted with the diseases endemie to the country, and, by employing tusknowledge of the physical geography of localities, he may aproxirate'y determine the value of physical causes in their origimation; he is erabled, also, to arrive at comparatively correci conclusions regarding the relative prevalence and mortality of the same disease at cufferent piaces; and he can with facility trace the comse and effects of epudei...es. The politucian and public hygeist find it equally sorves the.ryurposes. Legislative enactments, of great importance, have been framed and adopted ly the Parliament of Great Britain, sclely to ubviate cri's exposed by the columns in the Registrar's Requrt containing the causes of death. Hygiene and medical police have received an impetus and certanty of direction in England, which it would have leen impossible for them to have experienced before the amendment act of Registration of 1 Vact., cal. 22, became law.

In volume 1 of the Census Eieport of the Canadas for 1851-2, we are told by Mr. Hutton that the whole of the carses of death have been taken in both provinces. The worthy Secretary of the Board uf Registration and Statistics has not informed us for how long they have been registered. We know of no law, at preseat in iurce, making such regrstration obligatory; and unless systematic, eneral and unform entries have been made throughont the Provme, the returns are perfectly valueless, and cannot by any possibility turther important ende. To make registration of the causes of death worthy tine attention of the philcsophec rinysic:an and public hygenst-to make it bensfit alike the science of medicine and public liygiene, there is wanting, in the first place, a liae winch shall insist on the canses of evcry death occurning withon the l'rovincele ag duly recorded, and which shall provide for the fro-
 premed cories of whech shond be sent to every ghysician, coroner, and

 hon.
 reiturs be destuerated, as artly hiostrated by the mints of morahity for
 prante. Eariy last armg we interested carsenes yery mach to obiain for the publen, sturns of the mumier of deatlis occurring in the city with the fatal haseases. We cailed on tho Maycr, and on one of the mos: ae we a tiu members of the Healh Cumentec, hoth of them
agreed with us in onr view of the importance of such returas, and yromised to get the Corporation, if possible, to take action in the matter. We raited patiently for the appearance of these reports, and at length our eyes were sratified by the fublication of the first weekly "Bill of Mortality." A mere glance sufficed to satafy us. that. as fuithful returns of the diseases fatal to our fellow citizens, they were nothing more or less than a perfect farce. Anx:ous as we were to give them place in our pages, they were so glaringly mperfect, we concluded that we conld nct siare room for sach utterly useless matter. Threc of these ${ }^{\text {a }}$ Weekly Bills" are now lying before us, and cur readers will duly apreciate thear character, from the frilowng analysis in part. We maymention, that these three have been selected indiscriminately. that, in fact, ex unc emacs disce. Duriner three weeks there occurred 107 deaths in the c.iy of Montreal. Of these, 31 are reported as having died of Infanthe Debility. Could anything be more vague or uncertain than this? With few excertions, diseases of children might be said to terminate in sfanale deblity. Fifteen are sind to have died of Fever. What kind of Fever we wou'd ask? Intermittent Fever-Iiemittent Fever-Common continied Fever-Pelapsing Fever-Typhoud Fever or Typhus Fever? Folir were cat off by Inflammatons. Inflamı.ation of what fart? Five died of Discase of the Heart. Hope, one of the greatest authorities on Diseases of the heart, treats of these alfections under twenty different heads. Fouricen children are reported as having died of tectheng. Now, aliherigh many chaldren die during the process of tecthang, it is ecmmony from the supervention of secondary affections of the mneons renghranes, and the nervons system. We might extend our remarks, but we have siad enough to shew that returns on thes system, or rather no system, are no: worthy of space in a scientific juumal. Our reader whij ne: bame us, therefore, if we object to pallish the "Bulls of Wortahty fur the city of Montreal." We hive m here, however, that at some fiture periof, not far distant, a corect: a deffective registration of the causes ci death whil te akopted thonering: the Jrovnce, and, we inve no de.t, irum what $w$ ? have hard oi Mi. Matiun, hat he wend cheerfilig sary it uat.

Sance writurg the above, vis ea the Census liciur: inas come to hand, from whith we glean that the cabies of death were iaken hy the Enumeraturs; these gentlemen having recerved tien miomation in each case from mends sitie deceased. is marg: be expected, the repurt is a very mperfect and worth'ess ane. Notmithstanlans the ofmion of the secretary :o the contrary, there asm, wo or umon, ane feature of anercs: in the retmonetur can one relation dedncini lio drawn from
thein. The time of the enumpraters, the expenses of prmang di., have been, we cunsider, virtially thrown away. The total number of deaths ermmerated m Cpper Canada were 7775, m 5530 of which the causes of death were specifed, whilst in the remainns 1030 they were not speefied. In Lower Canada 11674 deaths were recorded. 650 uf which had the causes of death spectfed, and 5174 had not. Among those recorded we find 120 to have ded of Infasicy: $\mathfrak{\sim} 5 \mathrm{~s}$ of tectinng; 460 of Inflammation; 4 of Internal Sprain: 14 of Bhedi Fever: y')
 ternal Rup*ure: and 12 of Canher linsh. Wha: dewomioner can be placel on such returns?

## THE UNITED AFRICAN TWIN:

It was our intention to have written a description of these interestung little strangers who were so lately among is, bat having ascertaned that a smmar commmotation was prepared fut the August namer of the Chronicle by a well known dilettante, we profered the s sumt should come from his abler hands. It will be milustrated ly 4 :igures transierred to wool by an excellent artict from daguetr at: hiken ises.

Withon, however, anticipating our frient, we may remark that the United African Jwins present exactiy the same exa. ble of dipugenesis that was chserved nearly a century and a half ago in two chideren born in llungary, who were also females, and wore fambiarly knoven as the IImgaran risters, Judith and Melen, their deseription is :wea iy Buffon, and reans as follows:--6 These young women wore fa'irely separated from each other, except the ants, winch was commo: :o bo:h, from which cirenmstance thry simuttuncoms $\because$ exprenced the sater desire of relievine maturo; lut in wther respects, as in size, i: temper, and in health, they idiced, and, unfortuately, frequently starrelled with each other. When mher simh year, Judnh feil ill of tever, b.ecame lethargic, and ded. Pour Helen was whiged to silhmit to her unhappy destiny; Whree minutes prevous to the death if Judith slie suddenly fell on corticulo morts, and expred nearly at the sume moment. These twin cisters were born at a place called Tzoni, in Hungary, wh the 16th October, 1701, and dird in a Convent at St Petersburs. on the $23 d$ February, 1723." A post mortem exammation was held, at wheh the only pecularity, beyond that known during life to have existed. was

[^0]that the two had bat one circulation between them; that the blood of each nowed into the cther; for the great vessels of the abdomen were continnous in the two bodies; and were united at the loins. This latter fact has a remarkable bearing upon the theory of menstruation; although with but one circulation, the uterine functions were, nevertheless, distinct in both; mens ruation differed in its period, and also in the quantity of the discharse.

Lecturcs on Bitany.-Our readers will perceive upon reference to our advertising pages, that arrangements are being made for the delivery of a course of lectures on Botany, which will be commenced about the 20th of next August. From the Prospectus shortly to be publisied it will be seen that they ase to be of a very attractive character, embracing the primeipal facts connecied with Vegetable Anatomy and Physiolagy.-Wc believe no exertions have been spared to render the course as usefni and entertaining as it is possible to make it. -And from curacquaintance with the inductry and talents of the gentlemar, by whom the lectures are to be given, we feel certain that these objects will be attained, and in a manner that cannot but be highly satisfactory to his atidience generally. Such students as may be in town during the time appointed, we would recommend to avail themselves of the opportunity thus presented.-By doing so, they will upon going to Great Britain, be enabled to present themselves, upon arrival, for examination befure any of the licensing boards, without being remanded for further study-for the study of Betany. We believe also, that the College of Physicians and Surgeons, C. E., requires students to attend a course of Butany when it is obrain:ble ; after this no plea can be offered for any deficiency upon this branch of Medical Science which its devotees coricur in pronomeing to be both very delightful and highly instructive.

Quarintive Efficiency.-We unde stand that it is under the consideration of Government to send a gent leman to visit, and report upon, the Quarantine system in operation in the Northern and Eastern States of America. The information acquired to be applied to the improvement of the Grosse 1sle establishment, which has now betome publicly notorinus for its practical !nutility. We are glad to find the authoritics determined to do what they can to remedy the defiesency, and hope they will ulserve some dicrimination in the selection of a groper person
on this occasion, and at least appoint the right man in the right place On dit has it that Dr. Marsden, of Quebec, has been urged to accept the Commission. We know that a memorial was presented to the Govern ment signed by the leading members of the profession in the Eastern Province, who, aware of Dr. M.'s fitness, and confident in his impartiality, had much pleasure in strongly recommending him for the office. We cannot see how so distinguished a mark of superiority can be slighted, and we trust before long we shall hear of Dr. M.'s actual appointment.

Montreal, June 22nd, 1855.
Messrs. the Editors of the Medical Chronicle,
Gentlemen,-Will you oblige us with an answer to the following. question, for the infurmation and guidance of Dispensing Chemits generally?
"When Solut. Morph. Mur. is ordered in a prescription without any particular lormula being indicated, which should be used?"

Hitherto, when convenient, we have asked of the prescriber what he intended, bit it is sometimes impossibic to do this.

We are, Gentienen
Your obedient servants;
Alfred Savage \& Co.
[The Sulution of the Edinb. Pharmacoposia. Eds. Med. Chroni.]

## IO COREESPONDENTS.

Dr. M. Barett.-IíDr. B. will turn to the document refereci to, he will there find the explanation of the statement in question, and which from being in his own possession, rendered a let eer of enquiry from him uncalled for. We are happy to hear of the additions, and hope shortly to have an opportanity of givins them publicity.

## OBITCARY.

"At Lancaster, on 10th inst., at his father's residence, Dr. C. J. F. Robinson, of Rapmeauchle, North Nation, only son of Wm. Robinson, Esq. Collector of Custon.s, aged 29 years, 7 months and 12 days, leavizg a disconsolate father and mother and iwo dear sisters to lament his prematire end. Eis remains were convered to Coteau du Iac on the $1 \geqslant \mathrm{th}$, and on the following day interred in the body of the Parish Chareh at that place, after the pertomance of the usual Divine ceremonies, by the Rev. My. Me Donogh, of Willinnstown, Glengary. He died of consumption, having contracied the disease th the practice of his profession daring last winter, and had only orived at his father's residence three weeks previous to his demise. He bore his disease with Christian fortitade, and restrned his fate into the handsonhis Maker withon a struggle or kment. An example of mamaiy, regretied by a large circle of thents, an hat whe hat he phene of his acquantance and benevont disucstume:

| QUHRTERLY REPORT OF THZ MONTREAL GENERAL HOSPITAL ENDING 22ND APRIL， 1855. |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Patients remaining from last Quarter ．．．．．．．．．．．．．．．．．．．．． Admitted present Quarter ．．． |  |  | Died during Quar |  |  |
|  |  | 62 | Remaining in Hos |  |  |
|  |  | 182 | Discharged．．．．． |  |  |
| Total $\qquad$ 244 in－door patients． |  |  | Total ．．．． <br> OUT－DOOR |  |  |
| Males ．．．．．．．．．．．．．．．．．．．．． 94 |  |  | Males |  |  |
| Females ．．．．．．．．．．．．．．．．．．． |  | 88 | Females |  |  |
| Total．．．．．．．．．．．．．．．． 184 |  |  | Total．．．．．．．．．．．．．．． 710 |  |  |
| Diseases，\＆c． | 立 | $\dot{\overline{ \pm}}$ | Diseases，\＆c． | 安 | 宫 |
| Abscessus <br> Ambustio <br> Amenorrhea | 1 |  | Incontisentia |  |  |
|  |  |  | Inebritas |  |  |
|  |  |  | Meningitis Tuo | 1 | 1 |
| Anasarca <br> Apoplexia |  |  | Morbus Cordis | 5 | 2 |
| Apoplexia |  | 1 | Ophthaimia | $\stackrel{1}{8}$ |  |
| Arthritis． Ascites ．． |  |  | Otitis | 1 |  |
| Asthma |  |  | Otorihaz | 1 |  |
| Brocchitis． |  | 1 | Paronychi | 2 |  |
| Catharrhus |  |  | Ptihisis． |  | 1 |
| Constipatio |  |  | Pleuritis | 1 |  |
| Delirium T | 3 |  | Pleurodyni | 1 |  |
| Diarrhea．．． |  |  | Prolapsus， |  |  |
| Dysmenorrice |  |  | Purpura． | 1 |  |
| Dyspepsia． |  |  | R heumatis | 26 |  |
| Erysipelas |  |  | Rubeola |  |  |
| Febris Com．Cont．a．．．．．．．．．．．． 2 |  |  | Rupia Sypbulitica |  |  |
| ＂ |  |  | Ecarietina ．．．． |  |  |
| ＂Remi |  |  | Scrofula |  | 1 |
| Typhoid |  |  | Sphacelus． |  |  |
|  |  |  | Sycosis he |  |  |
| Fractura ．．．．．．．．．．． |  | 1 | Syphilis． |  |  |
| Gelatio． |  |  | Tinea Cap |  |  |
| Hemoptysis |  |  | Turror． |  |  |
|  |  |  | $\because$ Ora |  |  |
| Herpes．．． |  |  | Varicuce． |  |  |
| Hyster：a |  |  | Fariola ． |  |  |
| hastuo．．．．．．．．．．．．．．．．．．．． 1 |  |  | Vuluas |  |  |

> DR. SCOTI and HOWARD, Attending Physicians.
> ROBERT CRAIK, M. D.,
> Ibuse Rlusceial and suagenn.

## BOOKS RECEIVED FOR REVIEW.

Ashton, on Diseases of the Rectum. London: Juhn Churehill. Front the Anthor.

Gross on the Urinary Organs. Scond El.tin, reviscd and much enlarged.

Ashwell on Diseases of Women. Third Ancrian, from third and revised London Edition.

Tyler Smith on Lucorrlaca. Trun Mrese. Banchard and Led Phladelphia.

Gii b on the Pathoogy of Saccharme Assm, iaticn. From the Authori
Purple on Statistics of Inpuries ci the IIeart. Srom the Authur.

## MEDICAL NEWS.

Sur John Ladule bas becn aphomed Ducetor Geeral us the Navj Med.ca: Department


 the Semor Sutbon, wt the Ghasgow Royad hamaty, ard since the year 1833, was Regig? Prolessor of Natera Medica a the Lnmersity of Ghasgos. He died at the age of $60 .-$
 of these 2,711 were strangers.-Piol. Hora.e Gretue, has rev. mied has chair of Theom Practace of Medeate in the New Lort Medual College, and Dr. H. G. Cox, is elected hit successor.-Dr. James Bryan has succeeded to the chowr of Suigesy in the Philadelphe Medical College:-Crosby Sireet Medical Cuilege is io be meved nto a new buildibt expected cost of whah computed at $\$ 80,000$. It will have a cummauding position at the junction of two great thoroughares, and be in the amadate wamty of Bellevae Hospila and be auther ormament to New Yort. - The etars of l'hy stology and Pthology, and of Materat Itchict and Theraphthics are row vacath in hush Medical College, applications are to be made to Dr. Bramura, Preadeat at Chacago. - The Legislature of Michigas recenly secommendel to the Regents of the U.....rsty, the appointrent of an Homeorta thist as a teacher, but the mater has been durped, as the Facaly proper! ytated thef
 1 to 21.9 ; Phtadeiphat to 12.3 ; Baltumose 1 to 36.5 ; Boston 1 to 36.2. -Two Ameri can Surgeons a the Russans surne hase lately died in the Crumea, one Dr. Isaac Drapeft junr, a: Sehastopul, the vilher Dr. C. S. King. at Kertch.- Sase Surgeuns of the Frenc Crimean Army have recened the cross of the Legwn of Huth.. - Typhus nas carried off, Suryeuns of the First Freach Disistun leeture Sebastopol, and 2 uthers who were severeth attached are fast recoverag.-la une weok (3id in May of was year,) there died in Londé 1,143 persuns; of hiese 159 were from Cumsunption, ot whom 27 were less than 20 yeaf old, 77 letween 20 atad 10 yea.s. 14 were 10 add 60 , and 11 were above that age and undes 80.-11 cases of confuent suall Pox were facal between tae 13 th and 19th May at the Sinall Iox Hospitol, Londun.-A Aage number of the Medicai Depantment ofbrit.sh Armi have received "Crime an Mudals," a few of the Surgeons and Assistants of the Roy"
 Loms, sevently exhancid the budy of a pe, woll wow had died of small pox and dissectedit 20 of thase engazed in the "ffat wre wow suffengg from tue disease cought from the corpest in the must cirulent torm. - The Fiemh. Hosphal at Therapa leat m wat of dressent nurses, und assistant sus a...., the Sulan has placed 20 pusits of the Turhash Medica School at the dispusition wit: Freash Medical officers.-During the 12 years of its ope ratun, the state Lumatic Asy: im has conterred its brnefits on 4,313 pathenis, of these 1 , if have beendischarged recovered, and at the ciuse of the last year 450 zemaned. - Duris, the year 1854, no fewer than 73,637 persons dicd an Leman, out of a popalation of 2 mity
 native of Austraia is said to be pe culaty dap'ed to: Surgeon's sphats.


[^0]:     the false vertcijra of earl.. so na between tha :wo there whe in $\because$ a strgite buck bone in common.

