Which was then ingugurated has acted na tie exciting canse for the deposit of a cruüe, amorphous material in the sor parts about the bone, and finally in the bonestructure itself. The malleolue appeara very much enlarged, and is repir".y progressing townds carics The cibease could ond in destruction of the joint is it were not arrested by proper trepitment The pationt's bowels are incenular, the brath is offensive, and the tongue furred, with pits on the tangue ahowing the orifices of the ducte of the enlarged mucous follicles with the mucts overflowing around them $\rightarrow$ condition which proksbly indicates that of the mucous membrene throughout the alimentary tract, by which the lactesls are clogged, the digeation is impraired, and the absorption of chyle interfered with. This accumulated secretion in the lowels forms what was deaignated by the older writers as eabura
To give the patient the best chance of recovery, we will endeevour to correct the secretions, improve the digestion and appetite, and bring the general health nearer tho normal standari. Until the condition of tho alimentary canal is changod, but little benefit can be expected from treatment We will therefore give, as an alterative cathartic:-

R Hydrarg. chlor. mitia, gr. jas;
Hodre bimen.,
PuIv. rhei,
Pulv. myristicse, $\overline{\text { in }}$. gr. ss
This is to to given every third night.
An a tonic she may have disulphate of quinia:
B. Quinixe sulph, . . . Er. xxx;

Acidi sulph. aromat., .
Tinct cardamom comp, jij
Syr. acacia, • . . ${ }_{\text {jij. }}$ M.
S.- A teaspoonful, in a little water, before meals

Her diet must be carefully regulated, inter dicting pastry, salt meat, uncooked vegctubles, candics, and all other sweet things, and all food which is digented with difficulty. She may have plenty of egga, milk, rare beef or chicken, with a little ale or claret if she likes it. She might be gived bome weak milk punch even, or egg-rog, with advantage. As she is anæmic, she may have also a tablet of the pyrophosphate of iron (gr. ij made up with gum and sugar) after each meal ; this chalybeate I profer, and always use, in those casos, as it is less apt than any other form to blacken the discharges from the bowels and render them irritating.
There is lluid around the joint, and the bone is quite sof. To relieve the tension, and let the fluid escape fiom its bed, I will puncture in sevcral places, with a delicate tenotome, the diferent layers of skin, fascia, and periosteum, which are arranged like the alternate elements of a voltaio pide. The bone is so soft that the knife enters it like a piece of soft wood, and stands vibrating, as youn see, as if it were atuck into a cedar shingla. Having made ten or fifteen of these little punctures, and allowed them to bleed aufficiently, the joint will be wrapped in dilute Goulard's axtract and laudanum, and, as far as is practicable, kept at reat in an elevated position. These puactures give the fuids exit, relieve the strangulation, de. plete the congented reasels, and do an immense
amonnt of good of course, in introducing tho knifo cars nanst be taken to avail injuring tho larger vessels or nerven With this precaution I have never coen punctures do harch, and thoy are a thousand times bettar than leeching.
[The case was presented at several successive clinica, and 800 n was progressing most satisfaotorily towarda a cura]-Philadelphia Medical Tinces.

## ON PROMOTING THE GROWTH OF BONES.

Dr. Oilier, well known to the English medical public by his remarkable labours on the Reproduction of tho Bonce, read a paper at the Medical Section of the French $\Delta$ abociation for the $\Delta$ dvance ment of Science "Oń the various Chirurgical meana by which the Growth of Bones is Increased or Arrested." Dr. Ollicr made many experimenta on anirals in order to ascertain the process under which the growth of boncs takes place. Ho helieves, with Flourens, that the intermediate cartilage is an important agent of their quolution. Some years ago he removed, in young animals, the intermedisto cartilage of some of the long bones, and bo obtained the following results:Immedinte artost of the growth of the bone at tho extremity from which the intermediato cartilage had been removed, the bone still growing on at the opposite end. Intense irritation of the cartilage gave results similar to those obtained by its removal. Dr. Ollier has also observed that osteitis, situate in close proximity to the cartilages causes the bones to cease growing at the direared extremity. If, on the other hand, a long bone be irritated in parta remote from its cartilages, it will iacrease in length; if a bone, still growing, be irritated in any part of its shaft, either by application of canstics or other means, the bone will increase in length from a sixteenth to a twelfth of its total kength.

Some very convincing and well-prepared apecimens of the results obtainod on animals were ex hibited by Dr. Ollier, and fully proved the correctness of his assertiona,

Dr. Ollier has applied iheso physiological facta to practical surgery; he has operated on superficial benes, and employed, ra an irritent, the Vienna paste, which he applies se as to reach the bone after the destruction of the integumenta On sevoral occasions he ham obtained a consider able increase in the length of tid bones $\mathrm{He}_{0}$ quoted the following case:-A young girl was admitted into his wards at the Hôtel Dieu of Lyons suffering from osteitis of the tibia adjoining the cartilage. On recovery this bone was found to be twenty millimetres shorter than the sound one. To the anterior surface of the shorter tibis Dr. Ollier made an application of Vienna paste. Some time afterwards he repeated the cauterisation, this time using the "pate de Canquoin." The bone alightly exfoliated. Five weeks after wards a slight increase in length was apparent, and three months and a half from the date of the operation the bone had gained in langth thirtean millimetrea

Where s permanent irritation is required, it is necossary to repeat the application of zanstic;
the action of the cauntic nhould the carried to the bone itaclf. The fibula nevid not be interfervd with. The elongation of the tibis will canse the amaller bone to bo dragerd down with it ; a partial dislocation tak pe place at tho upper extmmity, but the foot remaina straight.
To armast the growth of a long hone the cartilago should be partly destroyed, but without penotration into the joint This arrest of growth is also oltained by tho removal of a small pioce of the cartilage; after these operations the wound must be carefully closed and the limb immobilised.

Dr. Olleer has performed this operation twrice succossfully. On one cocasion a purulent osteitin of the radius near its interraediate cartilago had caused the bone to cease to grow, whilst tho uinh, still increasing in length, had deviated the hand inwardly. All orthopadic menna having failed, Dr. Ollier deatroyed part of the cartilage of the. ulna in order to arrest its growth; $\AA$ fow months ${ }^{\circ}$ ufterwands the hand was already etraightor, and ultimately it recovered its normal direction, as he was enabled to show from plaster casts of the forearm taken before the operation aad afenr recovery.

Dr. Ollier remarked on the numorous applications to surgery of this powor to control the growth of bones; not only had experiments made on animala proved the correctreas of his views but clinical observations had domonstrated thei: practical value, and teastified to their curative power in certsin discasen of the bony struotares of man.

SHORT NOTER.
action of berna on the ubink
M. Gubler demodstrated to the SocieleThdrapoutique of Paris, at the seance of August 13, 18\%3, the fact that senna will cause a discoloration of the urine precisely similar in appearance to that which cocurs in jaundice On the addition of nitric acid, however, to the urine, the biliary reaction does not occur; morcover, caustic potash changea the colour to a magnificent purple. Caubtic potash added to the infiaion of semna producos only a faint indication of purple, and it is probable that the principle of seann undergoes an oxidation in the syatem similar to that of turpentine, asparagus, ota-Philadelphia Medioal Times.
aromatic hiquid pepgis.
"Rusticus" writes in the Boston Medical and Surgical Journal as follows: "Please aay to the other country doctors, who don't know any more than wedo, that pepsin can bo very easily made an 'Aromatic Liquid pepsin' by cutting up a calfa rennet bag and bottling it up in half a gallon of pale sherry. It won't cost nearly so much; and mother used to feed her thirtean babies on it, at the sate of a teaspoonful to a cup of milk, with a little sugar mixed in, and a scratch of nutmeg on the top. I am told that you can buy rennet-bags cheap in Boston markot. They are much better, I believe, after drjing for weoke ; and I should prefor thom to popain. They will keop longer and bettex."

