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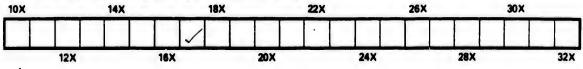


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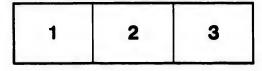
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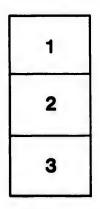
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[Extracted from THE MEDICAL NEWS, September 20, 1884.]

## 22

## A CASE OF SARCOMA OF THE SKIN AND CELLULAR TISSUE ABOUT THE ANKLE, WITH REMARKS.'

BY FRANCIS J. SHEPHERD, M.D., C.M., professor of anatomy in mcgill university, surgeon to the montreal general hospital.

THE clinical interest of the following case furnishes me with a sufficient excuse for its publication.

Edward M., aged eighteen, native of Switzerland, a delicate-looking youth, came under my care at the Montreal General Hospital in April last, suffering from an ulcerated swelling about the left ankle. No history of struma or rheumatism in his family, and he himself has, with the exception of the present disease, always been healthy.

He gave the following history of his case :

Some six years ago, while running, he fell and injured his left ankle-joint. The doctor told him it

<sup>1</sup> Read before the Montreal Medico-Chirurgical Society, June 27, 1884.

was dislocated, but after six weeks' rest the pain dis appeared, and he could walk as well as ever; th swelling about the joint due to the injury, however never entirely disappeared. A year subsequent t the above-described accident the ankle again becam painful, and the swelling and tension markedly in creased. His doctor, thinking an abscess had formed opened the swelling, but failed to get pus, blood onl escaping from the incision; this incision has neve entirely healed, but ever since has remained open a a sinus, discharging a thin sanious pus. Three year ago he was kicked by a horse on the affected ankle this caused an aggravation of the pain and swelling The ankle-joint itself since the first accident has appa rently never been affected, and its movements hav always been free and comparatively painless, but th swelling on the inner side has been slowly increasin in size, and at different points sinuses, which dis charge a thin pus, have formed.

When I first saw him, the parts about the inner side of the left ankle-joint were of a shiny, dusky-red color and considerably swollen. The swelling extende from a point several inches above the tip of the ir ternal malleolus to below the tarsal joint, it also extended laterally to the sole of the foot, half way across the instep, here the skin over the swelling was quit normal. There was also fulness over the tend Achillis and the parts behind the internal malleolus Near the edge of the swelling were several reddis eks' rest the pain disas well as ever; the the injury, however, year subsequent to e ankle again became tension markedly inin abscess had formed, to get pus, blood only is incision has never has remained open as ous pus. Three years on the affected ankle ; he pain and swelling. rst accident has appaits movements have ively painless, but the been slowly increasing ts sinuses, which dis-

s about the inner side of hiny, dusky-red color, The swelling extended bove the tip of the intarsal joint, it also exthe foot, half way across the swelling was quite ness over the tendo the internal malleolus. were several reddish tuberculous nodules the size of large peas. There were also a number of sinuses in the upper part of the swelling, and near the centre a spot of ulceration the size of a ten-cent piece. The swelling, which was not at all well defined, on pressure gave a sense of fluctuation, or rather felt like a mass of some semifluid substance. During pressure no pus exuded from any of the sinuses. There was but little pain in the part, and patient only complained when his foot was handled a little roughly. On probing the sinuses carefully no necrosed or carious bone could be felt.

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Not feeling perfectly sure of the diagnosis, but supposing from the semi-elastic sensation conveyed by pressure, and also the history of the case and the evident healthiness of the ankle-joint itself, that the disease was some form of neoplasm, I decided to place the lad under ether and carefully explore the parts affected. This I did after observing the case for a day or two. I made a free incision in the long axis of the swelling over the inner malleolus, and after cutting through very thick infiltrated skin, came upon a lot of tissue looking like granulation-tissue; this substance appeared to be in pockets, and could be squeezed out by using some force. The lining membrane of these pockets was smooth and shiny. I cut through the whole thickness of the swelling and was still superficial to the annular ligament of the ankle and the tendons which pass under it; the movements of the tendons were in no way interfered

with. Feeling sure I had to do with a new growth, I sent some of the substance taken from the pockets to my friend Dr. Wilkins, for microscopical examination, and he pronounced it a very good example or round-cell sarcoma.

On consultation with my colleagues, amputation o the leg was decided on. The lad and his friends, or learning the serious nature of the disease and the danger of delay, at once consented to the amputation.

I omitted to mention that the glands in the groir were much enlarged, one, below Poupart's ligament, had increased to the size of a pigeon's egg. I looked upon this condition of the glands as purely inflam matory, knowing the rarity with which sarcomatous tumors secondarily affect the glands, and also know ing that they had been enlarged ever since the firs accident. In the interval between the making o the exploratory incision and the amputation, the swelling had slowly increased in size and extent, and the incision had rapidly filled up with coarse granula tion-tissue.

I amputated the leg on May 17th at some distance above the disease, dressing the stump, as I usually do in amputations, with iodoform and pads of sublimated jute. In this case I made use of decalcified bondrains, which, owing to their collapse, had to be re placed on the second day by rubber tubes. From this time the case progressed favorably, the tempera with a new growth, ken from the pockets croscopical examinaery good example of

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17th at some distance stump, as I usually do nd pads of sublimated e of decalcified bone ollapse, had to be rerubber tubes. From vorably, the temperature after the third day never reaching 99°, and in less than three weeks' time, with three dressings, the wound was practically healed. The enlarged glands below Poupart's ligament gradually diminished in size; and when last seen a few days ago, the lad was in good condition, felt well and strong, and the enlarged glands had almost entirely disappeared. Whether or not he will have a return of the tumor in some other part remains for time to show. Owing to the long duration of the growth and its being of the most malignant variety of the sarcomata, it is possible that infection may have been conveyed to other parts.

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This case is instructive chiefly on account of the difficulties it presented for diagnosis. In the first place, the situation was an unusual one for a sarcoma; again; it resembled more some chronic form of inflammation connected with periosteal or bone disease than a sarcomatous tumor and it was only after a careful exploratory incision and a microscopical examination that its true nature was made out. I need not dwell upon the importance to the patient of a correct diagnosis in these cases, for sarcoma, and especially the round-cell variety, unless removed, is a fatal malady. The patient before coming under my care had been treated for some months on the supposition that his affection was of an inflammatory nature. What led me to suspect a new growth was the existence of apparent fluctuation with the presence

of numerous sinuses, the freedom from pain on mor ment of the joint and the absence of any carious necrosed bone.

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The long duration of the tumor, and the fact the it can be directly traced to traumatism as its cause add further interest to the case. Cases have late been reported by Mr. Barwell and others in whit injury was followed by an acute and rapidly growing sarcoma; this is comparatively rare, but slowly growing sarcomata not infrequently follow injuries, a far which was pointed out by Billroth many year ago.

It is of rare occurrence that the skin of the pa about the foot is affected with sarcoma; the mocommon forms of sarcoma of the lower extrem being connected with bone itself or the parts in conection with bone. When the skin is the seat of sarcomatous tumor it is of the spindle-cell variety, a rule, round-cell sarcoma being very rarely seen connection with the skin.

Prof. Markoe, in THE MEDICAL NEWS of April 2 1884, reported a series of cases of what he ca "Sarcoma of the Sheaths of Tendons about the Foot." His cases closely resemble that which I has just narrated to this Society. The skin, howev was not involved in Dr. Markoe's cases, the dise being confined to the parts immediately beneath. seems to me that Dr. Markoe's description of cases hardly bears out the idea put forth by him t m from pain on moveence of any carious or

mor, and the fact that aumatism as its cause, se. Cases have lately l and others in which te and rapidly growing v rare, but slowly growy follow injuries, a fact roth many year ago.

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DICAL NEWS of April 26, cases of what he calls of Tendons about the emble that which I have y. The skin, however, rkoe's cases, the disease nmediately beneath. It coe's description of his ea put forth by him that the tumors were connected with the sheaths of the tendons.

One thing is certain, that these sarcomatous tumors about the foot are of rare occurrence, and if their true nature is not ascertained in time the life of the patient will be endangered, for though at first apparently innocent, sooner or later they develop the greatest malignity.

