

.5 GENERAL OR CONSTITUTIONAL DISEASES.

.51 Diseases of the Blood and Blood-forming Organs.

.514 Leukæmia.

41.514¹ Bone-marrow in an Atypical Leukæmia.
(Sarcoleukæmia.)

The marrow tissue is very mottled in colour, parts being intensely injected. It is very abundant, and the trabeculæ are scanty, allowing the medulla to be easily cut with a knife.

Mrs. L. M., aged 72, was admitted to the R.V.H. Dec. 2, 1911, with pains in the bones, enlarged glands, and pain in the abdomen. Death occurred the following day after 24 hours' stupor. The spleen was enlarged. The blood-count gave: Reds, 2,360,000; Whites, 10,000; Hb, 50 %. The cerebro-spinal fluid contained 4.8 gm. urea per litre.

P.M. Sarcomatosis. Tumours in left rib, liver, kidneys, pancreas, meninges, and thyroid. Spontaneous fracture of affected rib. Osteosclerosis of bones of skull. Subcutaneous hæmorrhage into psoas, under mucosa of bladder into uterus, and into floor of fourth ventricle. Atheroma of aorta. All the ribs were very fragile. The vertebral column could be cut with a knife. *Fragilitas Ossium*.

Micro. Exam. Marked changes in the direction of preponderance of lymphoidocyte cells, marked diminution of myelocyte forms, and diminution of erythropoiesis.

Note. A sublymphæmic change in the blood with the appearance of Rieder cells and myelolymphocytes. A small spleen whose cytology resembles that of a leukæmic spleen. Histological changes in the glands approximating those seen in lymphatic leukæmia, though not conspicuously enlarged.

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PRESENTED by Dr. Gruner.