

the left side, which has increased in size since that time.

Family History.—His father and mother are both living; father eighty-one, and mother seventy-six years of age. His father suffered from ague when he was a young man. His grandfather, on his mother's side, died in his ninetieth year. There were twelve children in his father's family, four of whom are dead. One died during infancy, another from some prevailing epidemic. A brother died in India. Another brother died when about twenty years of age, from what appears to have been a large lumbar abscess.

Present Condition.—Patient is pale anæmic and considerably emaciated. He is able to walk across the ward and to sit up most of the day. He says he is stronger now than he was three months ago. He is of a nervous temperament, but sleeps well. His breathing is somewhat accelerated. No signs of disease of the lungs could be made out on physical examination. The respiratory murmur is slightly prolonged over the right apex. The pulse is frequent. Number of white corpuscles largely increased, and the number of red very much diminished. One white to fifteen red. The area of cardiac impulse is somewhat increased. A systolic bruit is heard at the base, it is most probably of a hæmic character. A venous hum is heard over the veins of the neck. His appetite is moderately good. He suffers from frequent attacks of diarrhœa. The area of hepatic dullness is markedly increased. On the left side of the abdomen there exists a large, well-defined tumour. From the shape and position of the swelling it is, in all probability, an enlarged spleen. The splenic dullness extends from above downwards at the side from the sixth to some distance below the twelfth rib. The lower margin almost touches the crest of the ilium at a point about two inches behind the anterior process. An idea of the size of the organ may be obtained from the accompanying diagram.

The kidneys appear to be in a healthy condition. The urine contains an excess of uric acid. The following is a record of the pulse, temperature, and respiration, taken for several successive days:—

	Pulse.	Temp.	Resp.
March 3rd.—	108	101½	26
" 4th.—	90	98½	26
" 5th.—	96	99	24
" 6th.—	90	98	27
" 7th.—	90	98½	21

March 8th,—From a count made of corpuscles there was one white to fifteen red. The blood corpuscles in a cubic millimetre: Red 2,695,000; white 24,000.

March 10th. The patient is somewhat better. Proportion of white to red corpuscles, one to eight.

March 16th. The patient is weaker again. Has lately been troubled with nose-bleeding and occasional attacks of diarrhœa. For the first ten days after admission, iron and quinine were given. He is now taking chaulmoogra oil. A liberal diet was ordered.

March 15th. Epistaxis was quite free last night. There was some trouble in stopping it.

June 2nd. Since the last note was made there has been very little change in the patient's condition. The blood corpuscles have been counted several times by Mr. Fletcher. The results will be given in detail. The patient took the chaulmoogra oil for about a month with no beneficial effect. He had to give it up on account of the nausea which it produced. More benefit was derived from iron tonics, etc. He has had the most liberal diet. I do not think there is any improvement since he came into the hospital. On the other hand I do not think he is any worse.

This is a very marked case of leucocythæmia of the splenic variety. There is very little enlargement. The histories of these two cases give one a very fair idea of the two principal forms of the disease: the lymphatic as represented by Case I., and the splenic as represented by Case II. The third, or myelogenous, is a very rare variety.

In the post mortem examination of the first patient some peculiar conditions were revealed. The pale exsanguined condition of the lower left lobe could not well be explained. Microscopic examination revealed the presence of lymphoid deposits. It is possible, as was before stated, that an embolus so obstructed the arterial circulation as to cut off the supply of blood.