

Tactile sensation is dulled and delayed in both legs, and up as far as the umbilicus, where there is an ill-defined band of relative hyperaesthesia, then again dulling up to the clavicle, where there is hyperaesthesia over the distribution of the third cervical, above which all the sensations are normal.

Heat and cold are well distinguished from the knees down, while in the thighs, cold gives the sensation of burning, and heat can hardly be felt. On the left forearm he cannot distinguish between heat and cold; incorrectly on the arm on the inside and posteriorly, but correctly on the outside. The right arm and forearm yield a more prompt response than the left. Above the clavicle the sensation seems to be normal; below and over the trunk the interpretation is incorrect.

Sensation to pain is dulled in areas of dulling of tactile sensation.

Muscle sense is absent in the left arm and greatly dulled over the rest of the body, as far up as the upper trapezii and the sterno-mastoids.

Chest is not well expanded, respirations 20 to 24, otherwise respiratory system is normal.

Capillary circulation is sluggish; pulse of fair volume; tension low, and slightly irregular; rate 60 to 80; vessels are palpable. Apex beat is  $4\frac{7}{8}$  inches from the middle line in the 5th left intercostal space. There is a soft, systolic murmur heard at the apex not transmitted.

At the junction of the manubrium and the gladiolus there is a tumor two inches in diameter, raised one-half an inch above the level of the sternum, to which it is firmly attached. It is firm, but not hard, and has been growing about a month, being preceded by a slight pain.

The teeth are carious, the gums inflamed. The tongue is moist and coated. The greater curvature of the stomach is at the umbilicus; the liver, spleen and kidneys are apparently normal. Bowels are regular; urination slow, and for the last two weeks he has had some difficulty having to stoop or sit down.

August the 7th, lumbar puncture revealed no increase of pressure, nor could any information be obtained from the cellular elements. No test was made for globulins.

August the 12th, Calmette test was negative. Sections of tissue from the sternal tumor show fibrous tissue with marked perivascular infiltration.

He has had thirty grains of potassium iodide three times a