

The bleeding was inconsiderable, the main vessels having probably become obliterated by the former operations; with the exception of a few muscular branches, no arteries had to be ligated. The skin flaps were adjusted and united by uninterrupted pin sutures, leaving an opening at the most dependent part to permit the draining of the secretion. Acet of morphia, 0.03 gramme, was sub-cutaneously injected. After patient had perfectly recovered from the anæsthetic condition, she was unconscious that the operation had been performed. The arm was bandaged and kept close to the body, supported by a sling.

Patient suffered much nausea subsequently and vomited during several days from the effects of chloroform. No unfavorable symptoms happened to require medication. A nourishing diet was ordered from the first day and continued during the convalescent state.

The sutures were removed on the third day. Most of the incisions had healed by first intention. Suppuration was considerable, and notwithstanding the well draining of the wound two abscesses formed in the arm, discharging a great quantity of pus. The wound was syringed out daily with glycerine containing ten per cent carbolic acid. On the 10th of June, the last secreting opening had closed.

At the present date, eighteen months after the operation, there is no indication of re-appearance of the disease in any part of the body. The skin of which no part had been removed, though after the excision of the tumor it formed a large sac, has so contracted that a part of the cicatrix forms now a portion of the covering of the humerus. The patient, who enjoys excellent health, has thrown away the sling long ago, the arm has no artificial support, and is a more useful instrument than before the operation. Though its motions are limited, there is sufficient strength in the extremity to lift a weight of thirty pounds and throw it a fair distance.

The tumor weighed nearly six pounds, and measured respectively 0.35 and 0.40 metre in circumference. From the original scapula but one third of the span, a small portion of the coracoid process and the centre of the glenoidal cavity remained intact, all the rest was involved in the growth. The tumor consisted of hyaline and fibro-cartilage, with deposits of carbonate of lime in the interspaces of the cartilaginous tissue.