

vative line of treatment, and not attempt any radical operation; making simply an opening for drainage, using antiseptic washes, and building up the system, believing that with increasing vitality both the antral and nasal trouble would be brought under control.

Upon opening into the antrum a large amount of pus was found. This was washed out with a saturated solution of boric acid.

About a week after the operation the patient, accompanied by Dr. Zaugg, came to my office, and a plate was made to hold drainage tube in position. This drainage tube was silver; it was worn till November 23, when Dr. Bourdon of Montreal made another plate, using a different shaped tube. This plate was clasped to the second molar and first bicuspid. In October, 1897, an operation was performed by Dr. Zaugg, removing hypertrophied tissue from the middle turbinal, left side. This was removed by cautery.

In April, 1898, Dr. Zaugg removed a large mass of hypertrophied tissue from inferior turbinal, right side, using the cautery in this operation. Much relief was given by these two operations.

There had been a gradual improvement in the condition of the patient from the time of the first operation of opening into the antrum in August, 1897, till the summer of 1898. He then began to be troubled with violent headaches, the pain being most severe in the frontal region, and the general condition began to grow worse. He sent for Dr. Zaugg, who came to see him Aug. 29, 1898. The patient was suffering intense pain and had a high fever. Examination showed the membrane covering the middle turbinal, right side, greatly congested, and so great was the congestion of the tissues that the passage was nearly closed, nearly filling the space between the middle and inferior turbinated bones. This was immediately relieved by the application of a four per cent. solution of cocaine. The nasal condition was so severe as to give rise to a painful attack of tri-facial neuralgia. Heroic doses of quinine and codein were given for six days. The congestion and pain were relieved, and the following week he went to Montreal, and Dr. Zaugg cut away the hypertrophied tissue from middle turbinal, right side. This was cut away by snareing.

It was thought best at this time to take out the first bicuspid tooth. This was done by Dr. Bourdon, who made a new plate, and a new drainage tube of gold was used. There has been a marked improvement in every respect since these operations. The general health has improved, no further headaches, and the discharge from both the antrum and nasal passages less