

Description of Stroboscopy combined with Laryngography :
(described by Rune Sterling, student of music)

This equipment is similar to the mirror we usually use when we examine the throat. It allows us to record a small video clip of the larynx. In the middle we see the vocal cords surrounded by the arytenoids region and epiglottis, this is the stroboscopic part.

The Laryngograph using two electrodes sends a current of 300.000 Hz through the vocal cords allowing us to see a graphic representation of the opening and closing stages of the cords, this is the voice recording part.

In the video pictures we can see the mucous membrane, the muscles of the vocal cords and additional voice apparatus, behind the glottis is the entrance to the oesophagus.

A good view of the entrance to oesophagus has great value because many symptoms occur there for instance reflux.

The procedure

We attach the two electrodes to the larynx on the clients throat, besides the electrodes there is a microphone for voice recording attached to the necklace both are attached through wires to the computer that combines the visual with the graph, both needs to be adjusted to the individual patients so the scores are visible.

When the scope with its build-in light source is attached to the camera we can adjust the camera by focusing on a piece of paper towel from a 10 cm distance.

The client must be seated rank with their heads bended a little downwards.

There can occur reflexes, in some cases we need to give a little local anaesthesia.

The doctor holds the clients tongue fixated while inserting the scope, when in place the patient is asked to hold a note on "eeerrhhh" and "yyhhh" and if the epiglottis still is blocking the view to the vocal cords and arytenoids region an "iiihhh" is required.

We record if possible the vocal cords in motion and separated while the client inhales.

Finally, we write the diagnosis, choose the best pictures and make a print.