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Anesthesiological and surgical risk down turn due to huge numbers: 100% success - no complication - a few side effects only

An Overview of Benefits, Risks, Side Effects and Complication of more than 40,000 “Subtenon Anaesthesia” on consecutive Intraocular Lens Implantation (IOL)

More than 42,000 Subtenon's have been performed since 2006 as the sole anesthesia technique on consecutive, mostly elective IOL procedures.

Due to standardization of the technique the efficiency was 100%. With the use of a plastic cannula only a mild Chemosis appeared in less than 5% of cases. Subconjunctival Hemorrhage appeared in only 5% of cases due to a novel avoiding technique.

An efficient anesthesia in combination with low dose adapted sedation produces a satisfactory and highly relaxed patients journey and excellent operation conditions supporting a low surgical - risk.

This retrospective study includes all 42,000 consecutive patients treated since 2006 for IOL. Average age was 52 (18 ->90 years). All patients received Subtenon Blocks using a plastic cannula contributing to high efficiency and minimal Chemosis with a special Anti - Hemorrhage Technique. All patients without contraindications received a mild sedation adapted to age, medical and general condition and increased by 50% for second of mainly two received IOL on each patient.

The Anesthetists who performed Subtenon's have different level of experience, but are all trained and supervised in the standardized technique by an Anesthetist with extensive experience of more than 15,000 Subtenon's. A Screenshot of 674 consecutive Subtenon's have been scored separately.

Conclusion: Standardization of procedures increases efficiency, reduces side effects, avoids complication and increases surgeon's safety and especially patient's satisfaction if the psychological conditions around the actual operations journey are taken in consideration. Mild conscious sedation with an anterograde Amnesia producing drug, e.g. Midazolam, is doubtless helpful.

Biography

Dagobert Lerch born in Germany has completed his Residency in Anesthesia and fellowship for anesthesia and intensive care at the county Hospital "Altstadt Magdeburg", Germany and was later awarded with the Head of Anesthesiology of the regional hospital of Namburg/Saale, Germany. Later on he was responsible for the Thoracic and Vascular anesthesia at the over regional county hospital Schwerin, Germany. In the late 1980's he founded the second centre of pain treatment and reflexology medicine in former GDR. Present time he is responsible for the anesthesia of all optical express UK and Ireland IOL centre. His team grows over the years to more than 10 experienced "Eye" Anesthetists all specially trained by himself.

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