



Service Priorities and Programmes
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Submitting author: Dr Chung Yan Tommy CHAN

Post title: Resident, Kong Kong Eye Hospital, KCC

Comparison between ocular biometry modalities for intraocular lens power calculation

Chan Tommy CY (1), Wong Victoria (1)

(1) Hong Kong Eye Hospital

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Introduction

Ocular Biometry is carried out in order to take measurements of the structure inside the eye. Biometry measurements are used before cataract surgery to determine the most suitable lens to be implanted during the operation.

Objectives

This study aims at comparing the biometry measurements taken by ZEISS IOL MASTER and HAAG STREIT LENSTAR LS900.

Methodology

Biometry measurements are taken from the two machines in patients attending the preoperative assessment. Parameters including axial lengths, keratometry values and astigmatism values are compared between the two modalities for each patient.

Result

The parameters measured from the two biometry modalities are comparable.