

中華民國用超音波學會 2018 年年會  
34<sup>th</sup> Anniversary & 2018 Annual Convention  
of The Taiwan Society of Ultrasound in Medicine  
October 13-14, 2018

地點: 台北國際會中心 (台北市信義路五段一號)

### *General Information*

Abstracts should include background, materials and methods, results and conclusion. Do not include references or acknowledgements. The length of the abstract should not exceed 300 words, no figures. All abstracts must be written in English.

**Title:** The title should be first letter capital.

**Authors:** Type names of authors, institution, city and country.

**Key words:** Not more than three to five key words or short phrases.

**On-line Submission:** 請您至學會網站 [www.sumroc.org.tw](http://www.sumroc.org.tw) 點選年會專區-線上投稿，即可線上投稿。

**Deadline: July 31, 2018**

### *Sample :*

#### **Biometric Difference in Primary Angle-Closure Glaucoma: Study on Lens**

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**Background:** As a cause of shallow anterior chamber, certain variables of the lens are considered to be important risk factors for primary angle-closure glaucoma.

**Materials and Methods:** Using A-scan ultrasound, intraindividual comparisons of eye lens thickness were carried out in 41 patients with mature cataract in one eye and intumescent lens in the other.

**Results:** The average thickness of an intumescent lens ( $4.52 \pm 0.50\text{mm}$ ) is greater than that of a mature lens ( $4.02 \pm 0.62\text{mm}$ ), ( $p < 0.001$ ). No significant difference existed in the depth of the anterior chamber or axial length.

**Conclusion:** The A-scan results confirmed the importance of lens factors in primary angle-closure glaucoma involving "constitutional" or hereditary elements, as well as lens growth form aging and intumescent lens during cataract formation.

**(Key words:** A-scan ultrasonography, primary angle-closure glaucoma, intumescent lens, cataractous lens)