3rd OSC 2019 Abstract Submission Form

Abstract Submission
- Please read the following criteria carefully before submitting the abstract.

Eligibility Criteria

<table>
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<th>Criteria</th>
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<tr>
<td>a) Abstract submitted should be based on original research.</td>
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<td>b) All abstracts must be declared if they have been presented in other conferences or seminars.</td>
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<td>c) Only abstracts that have never been published or presented elsewhere will be eligible for competition.</td>
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<td>d) All abstract submission must be accompanied with the conference registration fees. Kindly attach the proof of payment together with your abstract submission form.</td>
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<tr>
<td>e) Participants may submit more than ONE abstracts with maximum of THREE abstracts.</td>
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<td>f) The deadline to submit your abstract is Thursday, May 2nd, 2019, 11:59pm Malaysian Time.</td>
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<td>g) The final selection of abstracts will be reviewed and decided by the 3rd OSC Scientific Committee against the following criteria: Originality, Presentation, Quality, Significance and Relevance.</td>
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<td>h) Research involving human subjects must have been conducted in accordance with the tenets of the Declaration of Helsinki. All research conducted using data and facilities from the Ministry of Health Malaysia must be registered with the National Medical Research Registry (NMRR), approved by the Malaysian Research Ethical Committee (MREC) and obtain presentation approval from the Director General of Health Malaysia. Otherwise, research conducted by university must obtain ethical approval from the respective University Ethical Committee.</td>
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<tr>
<td>i) Conflict of Interest Disclosure: the first author is responsible for disclosing any conflict of interest on behalf of all listed authors as defined in the Scientific Program Committee's Statement on Conflicts of Interest. Any conflict of interest must also be disclosed at the time of presentation; this applies to both scientific paper and poster presentations.</td>
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Abstract Submission Form Instructions

- All sections below MUST be completed. Every field is COMPULSORY.
- Please fill up the form below based on the instructions.

NMRR/MREC or University Ethical Committee Information

<table>
<thead>
<tr>
<th>NMRR ID: MREC/University Ethical Committee Reference Number: Date of MREC/University Ethical Committee Approval:</th>
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Abstract Title


Corresponding Author

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*The remaining authors can be included in the abstract.

I hereby submit this abstract for the following category:

**Kindly tick (√) for the type of abstract. You may select only ONE category.**

<table>
<thead>
<tr>
<th>Type of abstract</th>
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<tbody>
<tr>
<td>Research / Scientific</td>
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<tr>
<td>Case Report</td>
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**Kindly tick (√) for the category you would like to present your abstract. You may select ONE or BOTH categories. If you wish to submit more than one abstracts (research), kindly complete a separate submission form.**

<table>
<thead>
<tr>
<th>Category</th>
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<tr>
<td>Oral Competition / Presentation</td>
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<tr>
<td>Poster Competition / Presentation</td>
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**Section/Group** | **Please tick (√)** | **Section/Group** | **Please tick (√)**
---|---|---|---
Clinical/Epidemiologic Research (CL) | | Visual Neuroscience (VN) | |
Cornea (CO) | | Visual Psychophysics/Physiological Optics (VI) | |
Eye Movements/Strabismus | | Genetics (GEN) | |
Glaucoma (GL) | | Low Vision (LV) | |
Immunology/Microbiology (IM) | | Multidisciplinary Ophthalmic Imaging (MOI) | |
Lens (LE) | | | |
Physiology/Pharmacology (PH) | | | |
Retina (RE) | | | |
Anterior ocular surface (AOS) | | | |

**DECLARATION**

☐ I hereby declare that the abstract entitled ........................................................................................................................................................................... is original and HAS NOT BEEN presented / published at any international or national conference.

☐ I hereby declare that the abstract entitled ..............................................................................................................................................................................HAS BEEN presented / published at ................................................................. year ..............

I declare there is no conflict of interest on behalf of all listed authors. If any conflict of interest involve, a declaration is required to disclose information to the Scientific Committee.

.............................................  .............................................  .............................................
Full Name  Signature  Date
Abstract Review & Selection

a) All abstracts will be reviewed by the 3rd OSC Scientific Committee. The committee reserves the right to:
   i. Accept or reject the abstracts relevant to the categories.
   ii. Decide on the final category (oral/poster) of the presentation.

b) Successful poster or oral presenters will be notified by the 3rd OSC Scientific Committee Secretariat via email. Presenters will be informed on the guidelines of presentation, judging process and all relevant details.

Proof of Payment

- Please kindly attach proof of payment of your conference registration fees

* Please ensure that all details given are correct and that you have entered a valid email address in order for us to contact you.

* The 3rd OSC Organising Committee and Scientific Committee will not be held accountable if incorrect information is given.

* Please email the completed form and abstract using the attached template to 3rdosc@gmail.com before or latest by 2nd May 2019. Late submissions or incomplete abstracts will not be accepted.
Guidelines for Abstract Submission

1. Abstract must adhere to the format given in the appendix A. Failure to comply with the format will result your abstract to not be accepted.
2. Abstract must be submitted in English.
3. Abstract must be typed in font Arial size, 11 point, single-spaced, and justified.
4. Abstract title must be concise, typed in bold and in sentence case (first word only capitalized).
5. Abstracts must consist of text only. No graphs, illustrations and tables are included.
6. Author names are typed in full for first name followed with abbreviation of surname/last names.
7. All authors must have at least one affiliation which is assigned in superscript number, followed with related organizations.
8. Abstract must be followed with 3-5 keywords at the end of the text, typed in italic, sentence case
9. The words count limit is strictly to 300 words only (non-inclusive of title, author names, affiliations and keywords)
10. Abstract content must be structured in the following ways and typed bold:
   - Research abstract: **Aim of Study, Method, Results and Conclusion**
   - Case report abstract: **Introduction, Case Presentation, Conclusion**
Appendix A

Format of Scientific Research Abstract

**Comparison of two methods for measuring contrast sensitivity in anisometropic amblyopia.**

Mohammadi A\(^1\), Hashemi H\(^1\), Mirzajani A\(^2\), Yekta A\(^3\), Jafarzadehpur E\(^2\), Khabazkhoob M\(^4\).

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\(^2\)Department of Optometry, School of Rehabilitation Sciences, Iran University of Medical Sciences, Tehran, Iran.
\(^3\)Refractive Errors Research Center, Mashhad University of Medical Sciences, Mashhad, Iran.
\(^4\)Department of Medical Surgical Nursing, School of Nursing and Midwifery, Shahid Beheshti University of Medical Sciences, Tehran, Iran.

**Aim of Study**
This study aimed to evaluate two psychophysical contrast sensitivity testing methods in amblyopic patients.

**Methods**
Thirty-three adults with anisometropic amblyopia participated in this study. Psychophysical contrast sensitivity was measured for both amblyopic and fellow eyes of the participants at 1, 3, and 5 cycles per degree (cpd) spatial frequencies by Freiburg visual acuity and contrast test (FrACT) and Metrovision contrast sensitivity test, which employ sine-wave gratings for measurement of contrast sensitivity. We evaluated the correlation between the two tests and used Bland-Altman analysis to measure the agreement between the two methods.

**Results**
Except for 1 cpd in amblyopic eyes, FrACT showed significantly higher contrast sensitivity measurements than Metrovision at all spatial frequencies both in normal and amblyopic eyes (\(P < 0.01\)). The difference between the two methods increased with an increase in spatial frequency. There was a significant correlation between the two tests at most of the spatial frequencies. While the difference between the results of the two tests increased with an increase in contrast sensitivity in amblyopic eyes, we found an inter-test agreement in normal eyes.

**Conclusion**
Although both FrACT and Metrovision employ sine-wave gratings to measure contrast sensitivity, there are some differences between them, and their results cannot be used interchangeably.

**Keywords**
*Amblyopia; Contrast sensitivity; Psychophysics; Sine-wave grating*
Eye damage due to cosmetic ultrasound treatment: a case report.

Chen Y¹, Shi Z¹, Shen Y².

¹ Eye Center, Wuhan University Renmin Hospital, 238 Jie Fang Road, Wu Chang District, Wuhan, 430060, China. ² Eye Center, Wuhan University Renmin Hospital, 238 Jie Fang Road, Wu Chang District, Wuhan, 430060, China. yinshen@whu.edu.cn

Background
Rejuvenation of aging eyelids is one of cosmetic changes to the individual to create the appearance of youth. Tightening treatment of eyelid by ultrasonic heat could possibly develop acute eye injury, including acute increase of IOP, cataract and rarely myopia.

Case Presentation
A case report of rejuvenation tightening treatment caused eye injury with 6 months' follow-up. All examinations were performed at a university teaching hospital. A healthy 32-year-old Asian woman had pain, photophobia and blurred vision in the right eye after rejuvenation tightening eye brow treatment. Intraocular pressure (IOP) was 31 mmHg in the right eye. Tyndall phenomena were observed. Visual acuity of the right eye dropped to 20/200 (from 20/20), with best-corrected visual acuities (BCVAs) 20/20. An iris pigment detachment was found. Neuro-ophthalmic examination was relative afferent pupillary defect (RAPD) positive with pericentral scotoma in the right eye, indicating optic nerve damage. In the optical quality analysis system (OQAS) exam, the objective scatter index (OSI) was 1.0 in the right eye and 0.7 in the left. Clearing additional plus lens power was difficult for this patient, indicating accommodation spasm in the right eye.

Conclusions
Rejuvenation with intense-focused ultrasound (IFUS) could cause heat injury, leads to acute increase of IOP. Heat damage in zonular fibers could cause accommodation spasm and myopia. Eye injuries caused by IFUS has been seldom reported. We recommend that cosmetic treatment in the eye area should be highly aware of side effect.

Keywords
Accommodation spasm; Acute increase of IOP; Myopia; Rejuvenation