

4th International Conference on Clinical & Experimental Ophthalmology

July 14-16, 2014 DoubleTree by Hilton Baltimore-BWI Airport, USA

Cluster of Urrets-Zavalía Syndrome: A sequel of toxic anterior segment syndrome

Noor Bakht Nizamani

Liaquat University of Medical & Health Sciences, Pakistan

Purpose: To report the largest cluster of Urrets-Zavalía Syndrome (UZS), which occurred as a sequel of toxic anterior segment syndrome (TASS) after uneventful cataract surgery and to evaluate the possible causes and risk factors to prevent additional cases.

Setting: Department of Ophthalmology, Liaquat University of Medical & Health Sciences, Hyderabad, Pakistan.

Design: Prospective Case Series.

Methods: Fifteen consecutive TASS cases following uneventful cataract surgery were evaluated for potential causes and risk factors. Main outcome measures included visual acuity, anterior segment reaction, corneal edema, intraocular pressure, pupillary reaction, and response to topical and/or systemic steroid therapy at first day, first week and first month postoperatively.

Results: The TASS incidence in this study was 0.08%. All cases presented with corneal edema, anterior chamber reaction and fixed dilated pupils on first postoperative day. One month postoperatively, the anterior segment inflammation improved considerably in all patients. There was a statistically significant difference between the mean BCVA at first postoperative day (2.32 ± 0.93 LogMAR) and mean BCVA at one month (0.49 ± 0.12 LogMAR) ($P=0.0001$). The rate of Urrets-Zavalía Syndrome in this study was 93%. Ringer lactate solution was found to be the offending agent of TASS, replacing it brought a halt to this cluster.

Conclusion: Timely diagnosis, steroid therapy and close monitoring are the main keys for properly managing TASS. To our knowledge, we report for the first time the largest cluster of UZS occurring as a sequel of TASS.

Biography

Noor Bakht Nizamani is an FRCSEd & MS (Ophthalmology) resident at Liaquat University of Medical and Health Sciences (LUMHS), Pakistan. She graduated from LUMHS in 2009 with double distinction in Ophthalmology and Obstetrics & Gynecology. She is a vivacious presenter with over 20 presentations at renowned conferences including 2 international conferences. She has over 7 peer reviewed publications and she serves as a reviewer for BMJ Case Reports. She is the author of Basic Ophthalmology, a concise book for Ophthalmology residents.

noorniz@hotmail.com