

Surgery treatment of rhegmatogenous retinal detachments in adult retinopathy of prematurity

Zhao Xiquan and Chai Fang

Shaanxi Ophthalmic Medical Center, Xi'an No. 4 Hospital, Affiliated Guangren Hospital, School of Medicine, Xi'an Jiaotong University, Xi'an, China



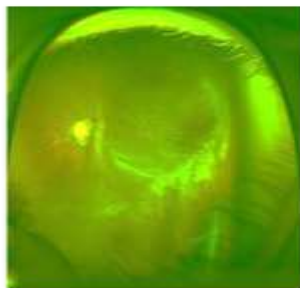
Abstract

Purpose: To report a treatment of rhegmatogenous retinal detachments in adult with retinopathy of prematurity.

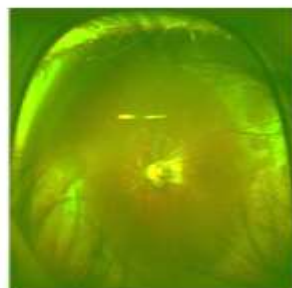
Methods: We present a case of rhegmatogenous retinal detachments in a 21-year-old female with retinopathy of prematurity. The patient had history of premature birth and treatment of ROP. After a full ophthalmic examination, scleral buckling was taken to treat the rhegmatogenous retinal detachments

Results: The fundus examination showed retinal folds in both eyes, and the retinal vessels were pulled straight, the retina of the left eye was removed from 1 to 8 o'clock, and the peripheral hole was at 5 o'clock. The silicone tape was pressed from the 4 to 6 o'clock pad at the anterior equatorial hole. Intraoperative combined retinal drainage. Postoperative follow-up observation of subretinal fluid absorption, and the retina are flat.

Conclusion: In patients with a history of premature birth, features of fundus examinations do not correlate with the occurrence of a retinal detachment. Repair of detachment in such a patient is more likely to require multiple procedures. Physicians should consider widespread relief of vitreoretinal traction for detachment in any patient with a history of premature birth.



Before treatment



After treatment

Biography:

Zhao Xiquan is working as Shaanxi Ophthalmic Medical Center, Xi'an No. 4 Hospital, Affiliated Guangren Hospital, School of Medicine, Xi'an Jiaotong University, Xi'an, China

[5th Global Pediatric Ophthalmology Congress](#) March 02-03, 2020 at Rome, Italy

Speaker Publications:

1. Reperfusion of occluded branch retinal arteries by transluminal Nd:YAG laser embolysis combined with intravenous thrombolysis of urokinase- Fang Chai, Shanshuang Du, Xiquan Zhao, Runsheng Wang, Medicine, Bioscience reports 2018 (First Publication: 21 November 2017)
2. Spontaneous suprachoroidal hemorrhage in a high myopia patient with rhegmatogenous retinal detachment: a case report and literature review- Fang Chai, Lu Zeng, Chun-hua Li, Xiquan Zhao, Biology, Medicine Bioscience reports 2019 (First Publication: 3 June 2019)
3. Plasma level of miR-93 is associated with higher risk to develop type 2 diabetic retinopathy- Hui-ling Zou, Y. Wang, Qiang Gang, Y. Zhang, Y. SunMedicineGraefe's Archive for Clinical and Experimental Ophthalmology2017

Abstract Citation:

Zhao Xiquan and Chai Fang, Surgery treatment of rhegmatogenous retinal detachments in adult retinopathy of prematurity, Pediatric Ophthalmology Congress 2020, 5th Global Pediatric Ophthalmology Congress March 02-03, 2020 at Rome, Italy

(<https://pediatricophthalmologyophthalmologyconferences.com/abstract/2020/surgery-treatment-of-rhegmatogenous-retinal-detachments-in-adult-retinopathy-of-prematurity>)