

## Management of Soemmering's Ring in a case with uveitis associated with juvenile rheumatoid arthritis

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## INTRODUCTION

- Soemmering's ring was described as deposits of retained equatorial lens epithelial cells which continue to proliferate and form new cortical fibers which eventually form a ring of cortical fibers between the posterior capsule and the edges of the anterior capsule remnant, in 1928.
- The purpose of this study was to report the surgical intervention of Soemmering's ring in a case with uveitis associated with juvenile rheumatoid arthritis (JRA).

## MATERIALS AND METHODS

- A 31-year-old female patient presented with decreased vision in her right eye. The patient was diagnosed to have bilateral uveitis associated with JRA at the age of 5 years. Then, she had cataract surgery when she was 10 years old with complicated cataract derived from uveitis in her right eye. Two years later, Nd:YAG laser posterior capsulotomy was performed because of posterior capsule opacification, and five years later, she underwent trabeculectomy surgery for glaucoma in the same eye.



## RESULTS

- At last admission, her visual acuity was hand motion in right eye and 10/10 in left. Biomicroscopic evaluation yielded widespread anterior synechiae and Soemmering's ring closing the pupil site in right eye. Therefore surgical intervention was done, anterior synechiae and pupil site was opened.
- The last visual acuity was 3/10 in her right eye, and no any findings of new uveitis attack in detailed exam. At follow-up period, systemic methotrexate and corticosteroid drug treatment previously given was continued.



## CONCLUSIONS

- The formation of Soemmering's ring and anterior synechiae, and iridocorneal angle situation in pseudophakic eye with uveitis should be followed carefully. Surgical intervention may be useful in selected cases for improve the visual acuity.

### REFERENCES

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