


## Slit-lamp laser photocoagulation with a quadraspheric contact lens for the treatment of retinopathy of prematurity

Urrets Zavalía, Julio , Urrets Zavalía, Enrique Alberto and Iros, M. (2000) *Slit-lamp laser photocoagulation with a quadraspheric contact lens for the treatment of retinopathy of prematurity*. Journal Francais d'Ophthalmologie, 23 (4). pp. 361-363. ISSN 0181-5512

El texto completo no está disponible en este repositorio.

URL Oficial: <https://www.scopus.com/record/display.uri?eid=2-s2...>

### RESUMEN

**Purpose:** To present our experience of slit-lamp laser photocoagulation with a pediatric quadraspheric contact lens for the treatment of retinopathy of prematurity (ROP). **Material and methods:** 8 eyes of 4 premature babies with threshold ROP were consecutively treated under general anesthesia by means of blue-green argon laser photocoagulation delivered through a table mounted slit-lamp and a wide field contact lens specially designed for infants. Three of the treated eyes had a zone, disease, 2 a posterior zone II disease and 3 a zone II disease. Mean follow-up was 13 months. **Results:** Early complete regression of the neovascular proliferations and plus disease was observed in all the treated eyes (100%) without apparent sequela. In only one eye that had zone I disease a mild and small peripheral vitreous hemorrhage was observed. Neither cataract nor posterior synechia was observed. A discrete and transient badly hypothermia occurred only in one case. **Comments and conclusions:** This study shows the efficacy and precision of slit-lamp argon laser photocoagulation through a quadraspheric contact lens in ROP, with a very low rate of complications, and with a magnificent and comfortable visualization of all the structures to be treated. Each retinal burn was easily and very precisely placed from the ridge to the ora serrata in 360° with only a slight to moderate tilting of the wide field lens and without the need of scleral depression.

**TIPO DE DOCUMENTO:** Artículo

**PALABRAS CLAVE:** Pediatric quadraspheric contact lens. Retinopathy of prematurity. Slit-lamp laser photocoagulation.

**TEMAS:** R Medicina > RE Oftalmología

**UNIDAD  
ACADÉMICA:** Universidad Católica de Córdoba > Facultad de Ciencias de la  
Salud