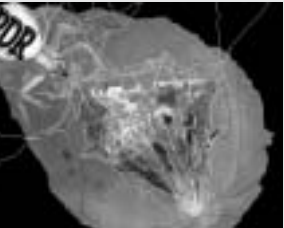


# SYMPOSIUM: PROLIFERATIVE DIABETIC RETINOPATHY

Moderators: Mahmoud Soliman, Khaled El-Rakhawy

Wednesday, September 15, 2004 ; 8:00 - 5:15



## The prognosis of vitreoretinal surgery duration in diabetic patients

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### Purpose:

To disclose factors defining the duration of vitrectomy for proliferative diabetic retinopathy (PDR) and to develop a formula for forecasting the duration of expected operation.

### Methods:

Treatment of 125 eyes of 112 patients has been analyzed for 89 factors (age, gender, diabetes type, visual acuity, PDR stage, axial length, etc).

### Results:

8 factors were found to be the most influencing on the duration of operation: PDR stage, leucocyturia, diabetes type, septic conditions in the history, cardiopathy, glucosuria, limited retinal lasercoagulation in the history, preparation for surgery in an endocrinology department. During forecasting of surgery duration in 86 patients the error was  $\pm 15\%$ .

### Conclusion:

PDR stage, leucocyturia, diabetes type, septic conditions in the history, cardiopathy, glucosuria, limited retinal lasercoagulation in the history, preparation for surgery in an endocrinology department exercise the greatest influence on the duration of vitrectomy for PDR. A formula with possibility to forecast vitreal surgery duration in diabetics with the accuracy of  $\pm 15\%$  has been developed.

### Take-home message:

PDR stage, leucocyturia, diabetes type, septic conditions in the history, cardiopathy, glucosuria, limited retinal lasercoagulation in the history, preparation for surgery in an endocrinology department exercise the greatest influence on the duration of vitrectomy for PDR.