Evaluation of learning curve of ophthalmology residents when performing cataract surgery at tertiary care centre

A K Chandrakar
Pt. JN Medical College, India

Aim & Objectives: The aim of this study is to analyze the complications and problems faced during learning curve of ophthalmology residents when performing cataract surgery.

Material & Methods: Hospital based-Prospective study was done at tertiary care centre and it includes all residents. The duration of study period is 22 months. In this study, there are four proforma, Proforma- 1 is related to bio-data, history taking and general & local examination of the patient, proforma- 2 is related to Surgical Competency Assessment of Extra-capsular Cataract Extraction (ICO-OSCAR:ECCE, scoring system) which is filled by evaluator at the end of surgery, proforma- 3 is related to problem faced during cataract surgery and proforma- 4 is related to complications of cataract surgery.

Results: In this study total 173 cases of cataract surgery done by 14 Residents included. Cataract surgery done by Residents were observed and score was given by evaluator according to ICOOSCAR:ECCE scoring and learning curve was prepared. Our study shows that only 4 residents encountered posterior capsule tear and vitreous loss in beginning surgeries and improved later. The common problem and complications faced by all residents were more in number in initial 50% cases, which was reduced in next 50% cases.

Conclusion: It can be concluded that during residency the residents must have more exposure of surgery for their training so that they confidently perform individual surgery after completion of residency. At last for best residency training a customised and closely monitored program for residents is required.

Biography
A K Chandrakar has completed his Graduation in Medicine in 1979 and Post-graduation in Ophthalmology in 1983. He has completed his fellowship in Oculoplasty and Strabismology from Sitapur Eye Institute in 1983. He has completed another fellowship in Phacoemulsification from LVPEI, Hyderabad in 1996 and medical retina fellowship from AIIMS, Delhi in 2002. He has teaching experience of more than 25 years and being a Professor, he has guided about 50 theses, 45 desertions, more than 300 papers and 15 research projects. His research area of interest is Cataract, Oculoplasty and Squint, Medical Retina, Diabetic Retinopathy & Pediatric Ocular Diseases.

drakchandraker@rediffmail.com

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