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Service (sector) Cataract N° CEP

**RETINAL DETACHMENT DIAGNOSED BY OCULAR ULTRASOUND IN PATIENTS WITH CATARACT.** S.H. Teixeira, G.T. Grottone, M. A. S. Morales.

Purpose : To evaluate retinal detachment (RD) as an ultrasonographic finding in patients undergoing cataract surgery.

Methods: A retrospective chart study of 1,386 patients who underwent routine ultrasound examination before cataract surgery from January to December 2001 was done . All patients had a dense cataract, no previous ocular surgery or trauma history, no posterior segment pathology, and were older than 18 years old.

Results: Retinal detachment was found in 90 (6.5%) patients, 41(45.5%) in right eye. The mean age was  $53.7 \pm 19.0$  years old (18-93 years old) and the distribution was: 18-30 years old (17.8%), 31-50 (17.8%), 51-70 (44.4%) and 71-93 (20.0%). Forty (44.5%) were female and 50 (55.5%) male. Concerning the type of retinal detachment, 52 (57.8%) eyes had a total RD, 24 (36.7%) had a tractional RD and 14 (15.5%) had a partial flat RD. We also found signs of atrophy or phthisis in 14 (15.5%) of the patients with RD and an axial diameter above normal limits in 11 (12.2%) of cases.

Conclusions: Retinal detachment is a commonly associated condition in patients with cataract in this population. Ultrasonography is a simple, noninvasive exam that can help the physician to diagnose this condition and better evaluate the benefits and risks of the proposed cataract surgery.