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Inferotemporal dialysis, genetic reghmatogenous retinal detachment in the Andes?

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Background: The separation of the ora serrata may affect any quadrant. Traumatic dialysis is usually in the superotemporal quadrant and spontaneous dialysis in the inferotemporal. ITD is approximately 10% of all the RRD. The clinical features of ITD are: Demarcation lines, retinal cysts, yellow white vitreous opacities, bilateral, juvenile and slow progression.

Purpose: To determine the incidence of ITD in the Ecuadorian Andes. Is there an environmental or genetic reason? This question has no answer.

Material & Methods: This is a retrospective non randomized revision of 2 series of patients operated by the author with scleral buckling. First: 17 years, 150 eyes in 131 patients. Second: 5 years, 32 eyes in 29 patients. Exclusion criteria: PVR more than C-1, trauma, GRT or RD in myopic patients with macular hole.

Results: In the first group, ITD is the most common type of RRD with 51 eyes, (34%). Considering the number of patients, the most common is the idiopathic with 50 patients (38%) while ITD has 24.4%. In the second group, 11 eyes were ITD (34%) and of the total of patients, 8 were ITD (27.6%).

Conclusions: ITD is the most common RRD, is bilateral in 59% of group 1 and 37% of group 2, most common in young males from 15 to 35 years and in autochthonous, native inhabitants. ITD is a benign RRD with slow progression and self limited in some cases.

Discussion: Is there a genetic factor? Is there a congenital anomaly of the ora serrata?

Biography

Armando Sandoval Vaca is an Ophthalmologist with institutional and private practice in Quito-Ecuador. He is a Medical Doctor from the Universidad Central del Ecuador, Residency in Ophthalmology and fellowship in Vitreo-Retina at the Universidad de Chile, Observerships in Vitreo Retina at the Jules Stein Eye and Cleveland Clinic, USA, Clinique Sourdis Nantes, France and Hospital de la Luz, México DF. He is the International Member of the ASRS and received Honor Award and Senior Honor Award of the ASRS. He is the Retina Panelist of the Best of the Academy for Spanish speaking Ophthalmologists during consecutive 21 years at the AAO. He is also Professor of Retina and Neuro Ophthalmology at the Post-Graduate Medical School, Universidad Central, Quito-Ecuador.

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