COMMUNITY OPHTHALMOLOGY

Challenges of managing rare ophthalmic cases in a resource-poor setting

Onyiaorah, Adaora A.;^{1,2} Akudinobi, Cyriacus U.;² Uba-Obiano, Chizoba U.;^{1,2} Orji, Chinasa A.² and Nwosu, Sebastian N.N.^{1,2}

¹Center for Eye Health Research and Training, Nnamdi Azikiwe University, Awka, Nigeria ²Guinness Eye Center, Department of Ophthalmology, Nnamdi Azikiwe University Teaching Hospital, Nnewi, Nigeria

Corresponding author: Orji, C.A. E-mail: nasannubia@yahoo.com +2348067594947

Background: Managing ophthalmic cases not seen routinely is fraught with numerous challenges, including non-adherence to investigations, treatment and follow-up. Such challenges are often related to economic constraints and poor information.

Objective: To highlight problems of managing special ophthalmic cases in a resource-poor setting.

Case Reports: Three cases are described. Informed consent for publication was obtained from each patient/ caregiver.

Case I: One-day-old male, born with bilateral upper eyelid eversion and swelling; left eyelid had reverted before presentation. Examination showed a healthy new-born with eversion of the right upper eyelid, chemosis, mild discharge, and mild left lid ecchymosis. A diagnosis of congenital ectropion was made. Tobramycin eye drops and ointment were administered, and the eye was padded with hypertonic salineimpregnated gauze. Mother declined admission due to poor family support and defaulted from follow-up.

Case II: Fourteen-year-old boy with an 11month history of double vision on lifting and lowering his chin, absent on covering either eye. He reported that images appeared one on top of the other, with mild pain on upgaze; there was a history of previous left blunt ocular trauma. Left ocular examination showed enophthalmos, limitation of elevation and positive forced duction test. The intraocular pressure difference between the primary position and upgaze was 2 mmHg and 6 mmHg on the right and left, respectively. A diagnosis of restrictive ocular motility disorder, possibly Inferior rectus muscle entrapment/fibrosis, was made. Father declined orbital computed tomography scan due to cost and defaulted.

Case III: A two-year-old with a 1-month history of white reflex in the left eye. There was left hazy cornea and leukocoria with normal findings in the right eye. A diagnosis of retinoblastoma was made. Mother was counselled about management, including enucleation, but she defaulted and returned a year later with a protruding fungating left eye mass, right leukocoria and masses on the head. Exenteration was done, he received a course of chemotherapy, defaulted from follow-up and subsequently died at home.

Discussion: These cases highlight challenges of managing relatively uncommon cases in a resource-poor setting, including late presentation, which could be related to ignorance and misinformation in society and limited access to accurate information.^{1,2} It is important to scale up activities that promote awareness of eye care among the public in order to improve eye care-seeking behaviour. Another factor is delay in diagnosis, which may be due to poor knowledge among health workers, multiple second opinions and inadequate diagnostic facilities. Nwosu, Okoye Ulasi³ bemoaned the consequences of delayed diagnosis of retinoblastoma by health workers. The establishment of a robust primary eye care system and good referral pathways are likely to promote timely diagnosis. Ignorance, poor information, and misconceptions could affect patients' responses to their disease management.4 Eyecare professionals must dedicate time and resources to counselling and support of patients with these conditions.

Economic factors are barriers to utilising eye care services by patients.5-9 Rare cases often require specialised, expensive care, with patients paying out of pocket. Expanding coverage of the National Health Insurance Scheme is likely to be beneficial. Active social welfare services and telephone calls could

improve patients' adherence, as was reported by Kizor-Akaraiwe¹⁰ for glaucoma patients during the COVID-19 lockdown.

Conclusion: Financial constraints, ignorance and loss to follow-up hamper management of patients. Education on early presentation and adherence to management plans is vital.

Conflict of interest: The authors declare no conflict of interest

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Community utilization of ophthalmic services: Assessment of Agbowa rural community, Lagos State, Nigeria

Balogun, Bolanle G.;^{1,2} Saka, Idris A.;¹ Igbekoyi -Craig, Oluwafemi A.;¹ Esele, Chidirim F.;¹ Wright, Kikelomo O.³ and Adekoya, Bola J.^{1,2}

¹Department of Ophthalmology, Lagos State University Teaching Hospital, 1-5 Oba Akinjobi St, GRA Ikeja, Lagos, Nigeria

²Department of Ophthalmology, Lagos State University College of Medicine, 1-5 Oba Akinjobi St, GRA Ikeja, Lagos, Nigeria

³Department of Community Health and Primary Health Care, Lagos State University College of Medicine, 1-5 Oba Akinjobi St, GRA Ikeja, Lagos, Nigeria

Corresponding author: Balogun, B.G. **Email:** appleclinic@yahoo.com +2348023139570

Background: Eye health is a public health concern. Community-based ophthalmic services aim to bring eye care to the people's doorsteps, particularly rural dwellers who are often deprived of essential health care. 1,2 The World Health Organization (WHO) and the International Agency for the Prevention of Blindness (IAPB) promote Integrated Primary Eye Care (IPEC) within existing primary health systems to facilitate eye services delivery.^{3,4} Studies have, however, revealed that even where available, community utilization sometimes remains poor.^{5,6} Most studies have focused on interviewing people in rural communities to assess their use of eye care services and the barriers they face.^{7,8} However, very limited