A 72-year-old woman presented with vision loss in the left eye for 1 week. She reported use of over-the-counter (OTC) multiuse eye drops for bilateral dry eye syndrome. Physical examination was notable for visual acuity of light perception (LP) and a hypopyon filling the anterior chamber (Figure, A) with an epithelial defect (Figure, B) involving most of the cornea. Examination of the right eye was unremarkable. Culture of left corneal scrapings grew extensively drug-resistant Pseudomonas aeruginosa, susceptible only to cefiderocol. Culture of her OTC EzriCare artificial tears grew comparable drug-resistant P aeruginosa. She was treated with intravenous cefiderocol, topical imipenem/cilistatin, and topical polymyxin B/trimethroprim. Her course was complicated by a serous choroidal detachment detected by B-scan ultrasonography. At 2-month follow up, left-sided vision remained LP.