A 19-day-old boy was referred for unilateral buphthalmos (Fig A) with intraocular pressure (IOP) measured at 28 mmHg with reboundtonometer. Examination under anesthesia showed keratic precipitates, iris granulomata, and pupillary seclusion (Fig B). Oral josamycin,topical steroids, and b-blockers allowed for the normalization of IOP within a day, and for the resolution of inflammation within2 weeks. Microbial culture of a lens sample taken during cataract surgery, which was performed 4 weeks after first examination(Fig C) revealed some colonies of Spiroplasma ixodetis on agar medium (A7) (Fig D, magnification 40).