Retinal pigment epithelium tear after glaucoma surgery

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Retinal pigment tear (RPE) is a very rare complication of glaucoma filtering surgeries. The right eye of a 65 years old woman underwent an Ex-Press shunt implantation to treat uncontrolled primary open-angle glaucoma. On day 3, the intraocular pressure (IOP) was 5 mmHg with an overfiltering bleb. Wide-field fundus color and autofluorescence images showed peripheral choroidal detachment, RPE detachment (supero-temporally to the RPE tear; arrow) RPE tear and macula-off exudative retinal detachment (Fig A-B). Additional sutures were placed on the scleral flap to achieve an increase in IOP. The day after, except for the v-shaped RPE tear, the other complications resolved without need for further procedure(s) (Fig C-D).