

# Retinal pigment epithelium tear after glaucoma surgery

Carlo A Cutolo<sup>1,2</sup>, Massimo Nicolò<sup>1,2</sup>, Carlo E Traverso<sup>1,2</sup>

1) San Martino Polyclinic Hospital, Genoa, Italy

2) Clinica Oculistica, DiNOGMI, University of Genoa

## Corresponding author:

Carlo A Cutolo, MD, PhD, FEBO

Viale Benedetto XV, 5

16132, Genoa, Italy

carlo.cutolo@unige.it

## **LEGEND**

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).