

CLAIMS

1. A Flat-flat one-piece device for ~~temporary~~ drainage ~~by pressure~~ of ~~the-an~~ aqueous humor of ~~the-an~~ eye, comprising three parts:
a first part ~~for use located~~ in the anterior chamber of the eye,
a second part ~~for use that in connects-connecting~~ the anterior chamber with the exterior of the eye, and
a third part located outside of the eye,
~~characterized in that wherein~~ the device is a flat sheet ~~non-adherable of materials which do not adhere to the eyeocular~~ tissues ~~surrounding said device; and in which~~ the second part ~~has consisting of a flat~~ sheet form ~~non-adherable to the ocular tissues~~ and is ~~located for use~~ in an incision made in the corneal limbus, under a scleral flap or conjunctival flap, between the cornea and sclera, ~~draining the aqueous humor from the interior to the exterior of the eye to release the excessive ocular pressure due to glaucoma~~ ~~the device being responsive to a change of intraocular pressure so that the device is configured to create a space between the ocular tissues and the device to relieve an increase of intraocular pressure and the space is closed when the intraocular pressure is decreased.~~
2. The Flat-flat one-piece device for ~~temporary~~ drainage ~~by pressure~~ of the aqueous humor of the eye, according to claim 1, characterized in that the device is made of a material selected from the group consisting of stainless steel, gold, platinum, silicon, nickel, molybdenum, ~~and other compatible metals, metal alloys and, ceramics or polymers or other materials that do not adhere to the eye tissues.~~
3. The Flat-flat one-piece device for ~~temporary~~ drainage ~~by pressure~~ of the aqueous humor of the eye, according to claim 1, characterized in that the first part has a width between 0.5 and 4 mm, and has sharp edges to facilitate its insertion.
4. The Flat-flat one-piece device for ~~temporary~~ drainage ~~by pressure~~ of the aqueous humor of the eye, according to claim 1, characterized in that the second part has a length between 0.3 and 1.2 mm; a width between 0.5 and 4 mm; and a thickness between 0.02 and 0.3 mm.
5. The Flat-flat one-piece device for ~~temporary~~ drainage ~~by pressure~~ of the aqueous humor of the eye, according to claim 1, characterized in that the third part is ~~located for use~~ in an intrascleral space of the eye, an episcleral space or in both.
6. The Flat-flat one-piece device for ~~temporary~~ drainage ~~by pressure~~ of the aqueous humor of the eye, according to claims 1 and 5, characterized in that the third part has a length between 0.5 and 15 mm, a width between 0.7 and 5 mm and a thickness between 0.02 and 0.3 mm.
7. The flat one-piece device for drainage of the aqueous humor of the eye according to claim 1, wherein a flat sheet is malleable and creates the space between the flat sheet and the ocular tissues on the increase of intraocular pressure.