

The invention relates to medical equipment, in particular to a shunt with valve for normalization of intraocular pressure, and can be used in eye microsurgery for surgical treatment of patients with glaucoma.

Summary of the invention consists in that the shunt with valve comprises two tubes, which intersect perpendicularly, crosswise and communicate with each other, one tube being made of two longitudinal arms (1, 3), and the second tube - of two transverse arms (2, 6). One of the longitudinal arms (1) is made with a length of 3 mm, an outer diameter of 1.0 mm and an inner diameter of 0.5 mm. Both transverse arms (2, 6) are made with a length of 3 mm, an outer diameter of 0.25 mm and an inner diameter of 0.1 mm. The second longitudinal arm (3) is made with a length of 7 mm, an outer diameter of 1.0 mm and inner diameter of 0.5 mm, in which is made a hole (4) with a diameter of 0.5 mm, at a distance of 1 mm from the intersection of the tubes, and at the free end of the arm (3) are connected two rectangular sheets (5) superimposed on each other, with dimensions of 2.0x2.0 mm, with the possibility of communicating the second longitudinal arm (3) with the space between the sheets (5) through a hole with a diameter of 0.5 mm. The sheets (5) are covered on the outside with a protective frame (7) of polymethyl methacrylate in the form of a quadrangular prism with dimensions of 2.25x2.25x1.25 mm, with the possibility of forming a gap between the frame (7) and sheets (5), of a width of 0.25 mm, at the same time the front surface of the frame (7) is made open for intraocular fluid drainage, and each side surface of the frame (7) is provided with an eyelet (8, 9) for fixing to the sclera. Each ear (8, 9) is made with an outer diameter of 1.0 mm, and in its center is made a through hole with a diameter of 0.25 mm. The shunt with valve is made of medical-grade silicone.

Claims: 1

Fig.: 2

