

It consists of an inner and an outer set of rods or pillars, inclined towards each other, the heads interlocking and leaving a little channel beneath. In connection with these rods are epithelial cells with hair-like prolongations, four rows on the outer side of the outer pillar, one on the inner side of the inner. Beyond these the epithelium is cylindrical, and then cuboidal. The nerves have been traced to the inner and outer hair cells.

*Membranous semi-circular canals* consist of (1) an external connective tissue layer; (2) a middle tunica propria; (3) an internal pavement epithelium.

In the *ampullæ* the epithelium presents a number of columnar supporting cells, between which are placed fusiform cells provided with stiff cilia—*auditory hairs*. These cells appear to be in direct connection with the terminal filaments of the vestibular nerve.