A dental syringe comprises a body of cylindrical form with opening for insertion of carpula with piston plug, the body is connected to a removable block with elements for needle attachment, a rod with holder for fingers and plunger. On the syringe cylindrical body a holder for fingers is made in addition. The holder on the body and holder on the rod are corrugated, in the plane of the opening for insertion of carpula with piston plug and membrane an additional opening is made with size of 2/3 of opening length and width. The rod is made as screw with possibility of rotation by means of corrugated holder for fingers and displacement in the body of plug piston by means of plunger additionally mounted in the body. The plunger is made as cylinder, and the removable block is made as nipple portion at angle of 35° relative to longitudinal axis of the body with elements for needle attachment, with thread, stop and opening for needle.