

【ABSTRACT】

MEDICINAL FLUID INJECTION DEVICE

The present invention relates to a medicinal fluid
5 injection device for injecting a medicinal fluid into the
skin of a patient so as to induce collagen generation and
skin regeneration according to the radial diffusion of the
medicinal fluid, comprising: a case part constituting the
appearance; a medicinal fluid placing part mounted on the
10 case part and in which a storage container storing a
medicinal fluid is mounted; a medicinal fluid supply part
connected to the storage container so as to supply a
medicinal fluid; a medicinal fluid pressurization part
mounted on the case part, and connected to the medicinal
15 fluid supply part so as to pressurize the supplied medicinal
fluid; and a medicinal fluid discharge part mounted on the
medicinal fluid supply part so as to inject, into the skin,
the medicinal fluid supplied from the medicinal fluid supply
part. The medicinal fluid discharge part comprises: an outer
20 case in which a plurality of needles are provided; and an
inner case provided such that the front end is inserted into
the outer case so as to be coupled thereto and the rear end
is coupled to the medicinal fluid supply part. A through hole
penetrating the inside and the outside of the inner case and
25 forming a micro-jet from the medicinal fluid is formed at the
front end of the inner case.

(Figure 1)