CLAIMS

[Claim 1] An injector for injecting a liquid and a gas into a target from an injector body without performing injection through a predetermined structure in a state in which the predetermined structure is inserted into the target, the injector comprising:

a storage configured to store the liquid and the gas;

a nozzle in communication with the storage and comprising an ejection port for ejecting the liquid and the gas toward the target; and

a pressurizer configured to pressurize the liquid and the gas stored in the storage to eject the liquid and the gas from the ejection port toward the target when the pressurizer is activated,

wherein a ratio of a volume of the gas to a total volume of the liquid and the gas is more than 60 % and 80 % or less.

[Claim 2] The injector according to claim 1, wherein injection into the target is injection into the target by jet injection.

[Claim 3] The injector according to claim 1, wherein an ejection speed of the liquid and the gas exceeds 83.3 μL/s.

[Claim 4] An injector for reducing interstitial fluid accumulation in a target,

the injector injecting a liquid and a gas into a target from an injector body without performing injection through a predetermined structure in a state in which the predetermined structure is inserted into the target, the injector comprising:

a storage configured to store the liquid and the gas;

a nozzle in communication with the storage and comprising an ejection port for ejecting the liquid and the gas toward the target; and

a pressurizer configured to pressurize the liquid and the gas stored in the storage to eject the liquid and the gas from the ejection port toward the target when the pressurizer is activated.

[Claim 5] The injector according to claim 4, wherein a ratio of a volume of the gas to a total volume of the liquid and the gas is 30 % or more and 80 %

or less.

[Claim 6] The injector according to claim 4 or 5, wherein injection into the target is injection into the target by jet injection.

[Claim 7] A method for forming a space using an injector,

the injector injecting a liquid and a gas into a target from an injector body without performing injection through a predetermined structure in a state in which the predetermined structure is inserted into the target, the injector comprising:

a storage configured to store the liquid and the gas;

a nozzle in communication with the storage and comprising an ejection port for ejecting the liquid and the gas toward the target; and

a pressurizer configured to pressurize the liquid and the gas stored in the storage to eject the liquid and the gas from the ejection port toward the target when the pressurizer is activated,

the method comprising:

storing the liquid and the gas in the storage;

pressurizing the liquid and the gas stored in the storage; and

injecting the liquid and the gas into the target,

wherein an injection site of the target has a viscoelastic modulus of 47 % or more and 82 % or less at 25 °C.

[Claim 8] The method for forming a space according to claim 7, wherein the injecting is injecting into the target by jet injection.

[Claim 9] The method for forming a space according to claim 7 or 8, wherein a ratio of a volume of the gas to a total volume of the liquid and the gas is 30 % or more and 80 % or less.

[Claim 10] The method for forming a space according to claim 7 or 8, wherein an ejection speed of the liquid and the gas exceeds 83.3 μL/s.

[Claim 11] A method for reducing interstitial fluid accumulation in a target using an injector,

the injector injecting a liquid and a gas into a target from an injector

body without performing injection through a predetermined structure in a state in which the predetermined structure is inserted into the target, the injector comprising:

a storage configured to store the liquid and the gas;

a nozzle in communication with the storage and comprising an ejection port for ejecting the liquid and the gas toward the target; and

a pressurizer configured to pressurize the liquid and the gas stored in the storage to eject the liquid and the gas from the ejection port toward the target when the pressurizer is activated,

the method comprising:

storing the liquid and the gas in the storage;

pressurizing the liquid and the gas stored in the storage; and

injecting the liquid and the gas into the target.

[Claim 12] The method according to claim 11, wherein the target is a mammal other than a human.

[Claim 13] The method according to claim 11 or 12, wherein a ratio of a volume of the gas to a total volume of the liquid and the gas is 30 % or more and 80 % or less.

[Claim 14] The method according to claim 11 or 12, wherein an ejection speed of the liquid and the gas exceeds 83.3 μL/s.

[Claim 15] The method according to claim 11 or 12, further comprising injecting cells or a solution that contains a biofunctional substance into a space formed by the injecting of the liquid and the gas.